EQUIPMENT AND SOLUTIONS TRAVICAR FOR YOUR AIRCRAFT ALL AIRCRAFT

- DGPS
- 5G CONNECTIVITY
- FLOW CONTROL
- ATOMIZERS
- LASER ALTIMETER
- ELECTROSTATIC SYSTEM
- GATEBOX
- FIREBOX
- ELECTRIC GATEBOX
- WEATHER STATION
- PUMPS
- SPRAY NOZZLES
- MANAGEMENT SOFTWARE
- BOOMS
- CHECK VALVES
- FILTERS

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YOUR AIRCRAFT 100% TRAVICAR

WEBSITE TRAVICAR

APP TRAVICAR CONNECT

TRAVICAR APP ANDROID

TRAVICAR APP IOS

EQUIPMENT FOR ALL AIRCRAFT

- AIR TRACTOR
- CESSNA
- PIPER
- THRUSH
- GRUMMAN
- DROMADER

www.travicar-us.com

AGRICULTURAL EQUIPMENT
AIRCRAFT
ELECTRONIC SUMMARIES

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DGPS

AERIAL GUIDANCE SYSTEM

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DISPLAY

TOUCHSCREEN DISPLAY

PAGE 07 08

LIGHTBAR

OUTDOOR LIGHTBAR

PAGE 09

LIGHTBAR

INTERNAL LIGHTBAR

PAGE 09

FLOW CONTROL

FLOW CONTROL - TURBINE SENSOR

PAGE 10

AUTO ON/OFF

AUTO SPRAY ON/OFF

PAGE 12

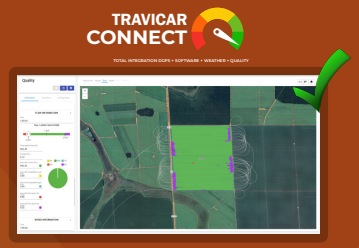
ALTIMETER

LASER ALTIMETER W/ GYROSCOPE

PAGE 13

CONNECTIVITY

APP TRAVICAR CONNECT
- CONNECTIVITY



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APP

APP
TRAVICAR CONNECT - MOBILE

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WEATHER

WEATHER STATION

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AGRICULTURAL EQUIPMENT
AIRCRAFT
SUMMARY NOZZLE AND ATOMIZER

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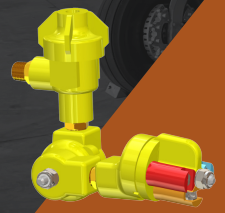
TT 11
FLAT FAN/SOLID STREAM TT 11



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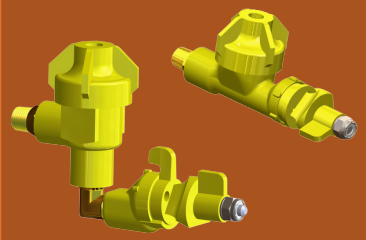
TT 03
FLAT FAN TT 03



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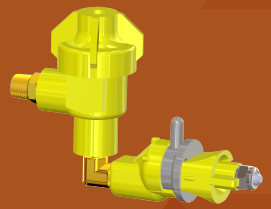
TT 09
FLAT FAN/SOLID STREAM TT 09



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CORE/DISC
CONE SPRAY

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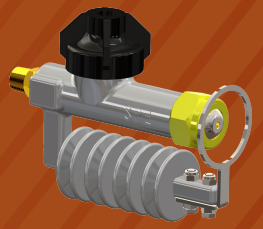
ELECTROSTATIC
ELECTROSTATIC NOZZLES



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ATOMIZER
FULL STAINLESS STEEL

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ATOMIZER
STAINLESS STEEL

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MOUNTING CLAMP
ATOMIZER'S MOUNTING CLAMP

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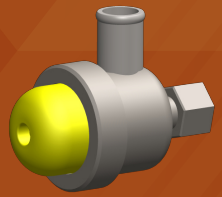
CHECK VALVE
CHECK VALVE



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VRU
VRU - FLOW REGULATOR

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AGRICULTURAL EQUIPMENT
AIRCRAFT
SUMMARY STAINLESS STEEL

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SPRAY SYSTEM

AIRCRAFT SPRAY SYSTEM

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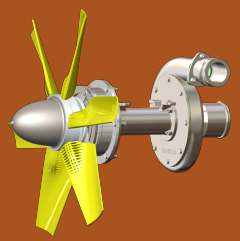
CESSNA 84
PIPER 99
THRUSH 117
DROMADER 134
AG-CAT 143

SPRAY PUMP

SPRAY PUMPS



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DROMADER, 136
AG-CAT 145

SPRAY BOOM

STREAMLINE BOOM

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DROMADER 137
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CENTER BOOM

STREAMLINE CENTER BOOM

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AG-CAT 147

GATE BOX

GATEBOX

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CESSNA 91
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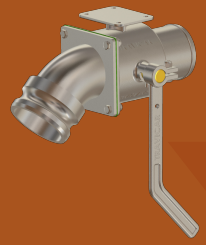
THRUSH 125
DROMADER 139
AG-CAT 148

LOADER VALVE

LOADER VALVE



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PIPER 105,113
THRUSH 128
DROMADER 141
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SPRAY VALVE

SPRAY CONTROL VALVE

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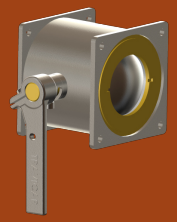
SHUT-OFF VALVE

BALL VALVE - BUTTERFLY VALVE



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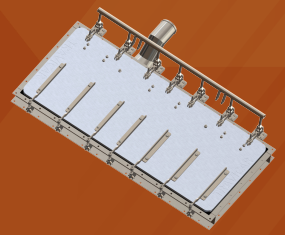
PIPER 105,113
THRUSH 128
DROMADER 141
AG-CAT 151

FIRE GATE BOX

MANUAL FIRE GATE BOX



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DEMAND VENTS

HOPPER DEMAND VENT

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SUPPORT EQUIPMENT

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BOOM HANGERS

BOOM HANGER

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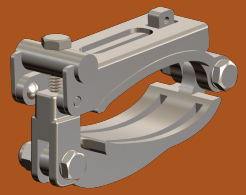
- GRUMMAN 153

BOOM CLAMPS

BOOM CLAMPS



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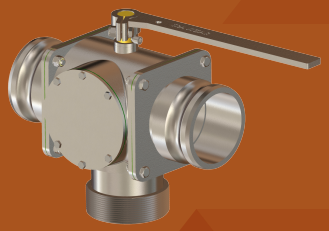
- GRUMMAN 146

2-WAY VALVE

2-WAY VALVE



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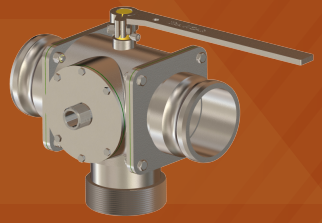
3-WAY VALVE

3-WAY VALVE



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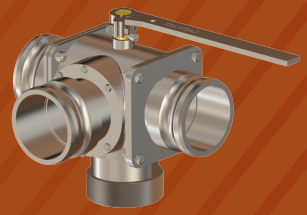
3-WAY VALVE

3-WAY VALVE



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LINE STRAINER

LINE STRAINER

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LINE STRAINER

LINE STRAINER

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LINE STRAINER

LINE STRAINER

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ADAPTERS/FITTING

ADAPTERS/FITTINGS

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WIDE-SWATH SPREADER

WIDE-SWATH SPREADER

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- GRUMMAN --

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APPLICATION GUIDE (DGPS) + CONNECTIVITY

DGPS

AERIAL SPRAY GUIDANCE SYSTEM CONNECTIVITY WITH THE TRAVICAR CONNECT PLATFORM

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DGPS

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AERIAL SPRAY GUIDANCE SYSTEM

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APPLICATION GUIDE (DGPS) + CONNECTIVITY

3 EXTERNAL LIGHTBAR (PNG221)

4 INTERNAL LIGHTBAR (PNG395)

8 LASER ALTIMETER (PN3883)

6 FLOWMETER VALVE (PN1021)

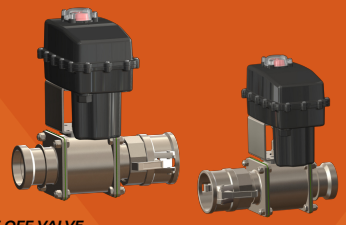
9 DGPS ANTENNA (PN G211)

5 FLOW READING TURBINE (PN - ON REQUEST))

1 TOUCH SCREEN DISPLAY"

(PNG216 DGPS I) - 7"
(PNG516 DGPS II) - 7"
(PNG591 DGPS III) - 7"

(PNG744 DGPS IV 10") - 10"
(PNG743 DGPS IV 7")- 7"



10 BOOM SHUT-OFF VALVE
(LEFT AND RIGHT)
(90278-MF-7.7/2, 90278E-MF-2
190278D-MF-7.7/2- 90278D-MF-2)

7 AUTOMATIC SPRAY VALVE
(PN - ON REQUEST)

ONLINE DATA
Wi-Fi AND 5G

INFORMATION

Robust system with warranty and maintenance in the USA.

High-brightness Touchscreen Display.

Dynamic lightbar with customizable options

Intuitive and comprehensive software, ensuring the best operational performance.

Data synchronization, comprehensive reports, Complete, Management Software and Spray Analysis.

AERIAL SPRAY GUIDANCE SYSTEM FOR AGRICULTURAL AIRCRAFT

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AIRCRAFT
AERIAL SPRAY GUIDANCE SYSTEM

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APPLICATION GUIDE (DGPS) + CONNECTIVITY

DISPLAY

ESSENTIAL	PERFORMANCE	EVOLUTION
DGPS I	**DGPS II**	**DGPS III**
1 TOUCHSCREEN 7" (PNG216)	2 TOUCHSCREEN 7" (PNG516)	3 TOUCHSCREEN 7" (PNG591)
QuadCore Wi - Fi RAM 4GB 32GB SSD storage	QuadCore Wi - Fi RAM 4GB 64GB SSD storage	Quad-core, Wi-Fi and 4G, 8 GB RAM, 128 GB SSD storage
THE ESSENTIAL DGPS FOR YOUR OPERATION. INTUITIVE, EFFICIENT, AND ROBUST.	MORE PERFORMANCE FOR YOUR OPERATION. UNMATCHED PERFORMANCE.	NEW GENERATION WITH FOCUS ON CONNECTIVITY. DESIGN, SOPHISTICATION AND GREATER PERFORMANCE.

ONLINE DATA
WI-FI AND 5G

INFORMATION

Robust system with warranty and maintenance in the USA.

Five versions of Travicar DGPS to meet the most diverse operational needs.

Intuitive and highly complete software, ensuring the best operational performance.

Data synchronization, complete reports, management software, and spray analysis.

DISPLAY

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AERIAL SPRAY GUIDANCE SYSTEM

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DGPS IV 7"

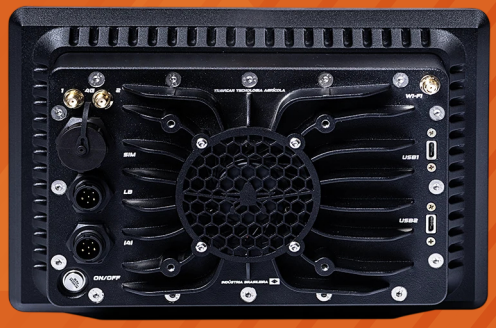
1 TOUCHSCREEN 7" (PNG743)

Wi - Fi
RAM 16GB
120GB SSD storage

Compact.
Efficient.
Rugged.

DGPS IV 10"

2 TOUCHSCREEN 10" (PNG744)



Wi - Fi
RAM 16GB
120GB SSD storage
10-inch display

Bigger Screen.
Maximum Power.
Premium Experience.

ONLINE DATA
WI-FI AND 5G

INFORMATION

Robust system with warranty and maintenance in the USA.

Five versions of Travicar DGPS to meet the most diverse operational needs.

Intuitive and highly complete software, ensuring the best operational performance.

Data synchronization, complete reports, management software, and spray analysis.

APPLICATION GUIDE (DGPS) + CONNECTIVITY

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APPLICATION GUIDE (DGPS) + CONNECTIVITY

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INTERNAL LIGHTBAR

2 INTERNAL LIGHTBAR (PNG395)

HIGH-BRIGHTNESS LIGHTBAR
512 PIXELS
24 DISTINCT SETTINGS IN 4 PHASES
SPRAY ON - SPRAY OFF - CLOSE-IN - NAVIGATION
100% CONFIGURABLE
UP TO 4 SIMULTANEOUS INFORMATION SOURCES
MEASURES 196MM X 37MM X 67MM

PERFECT FOR INSTALLATION INSIDE THE AIRCRAFT

OUTDOOR LIGHTBAR

1 OUTDOOR LIGHTBAR (PNG221)

HIGH-BRIGHTNESS LIGHTBAR
2048 PIXELS
24 DISTINCT SETTINGS IN 4 PHASES
SPRAY ON - SPRAY OFF - CLOSE-IN - NAVIGATION
100% CONFIGURABLE
UP TO 6 SIMULTANEOUS INFORMATION SOURCES
MEASURES 373MM X 103MM X 138MM

PERFECT FOR INSTALLATION ON THE EXTERIOR OF THE AIRCRAFT

ONLINE DATA
Wi-Fi AND 5G

INFORMATION

Robust system with warranty and maintenance in the USA.

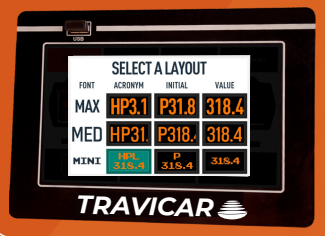
High-brightness Touchscreen Display.

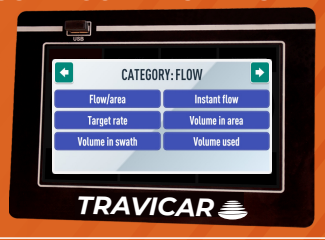
Dynamic lightbar with customizable options

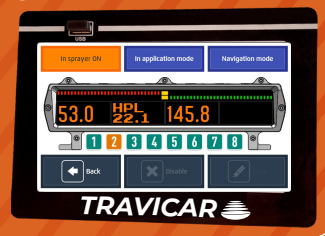
Intuitive and comprehensive software, ensuring the best operational performance.

Data synchronization, comprehensive reports, Complete, Management Software and Spray Analysis.

CONFIGURATION DISPLAYS







ELECTRONIC EQUIPMENT
AIRCRAFT
AERIAL SPRAY GUIDANCE SYSTEM

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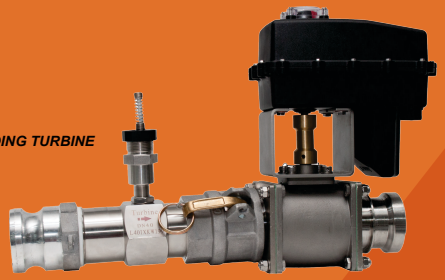
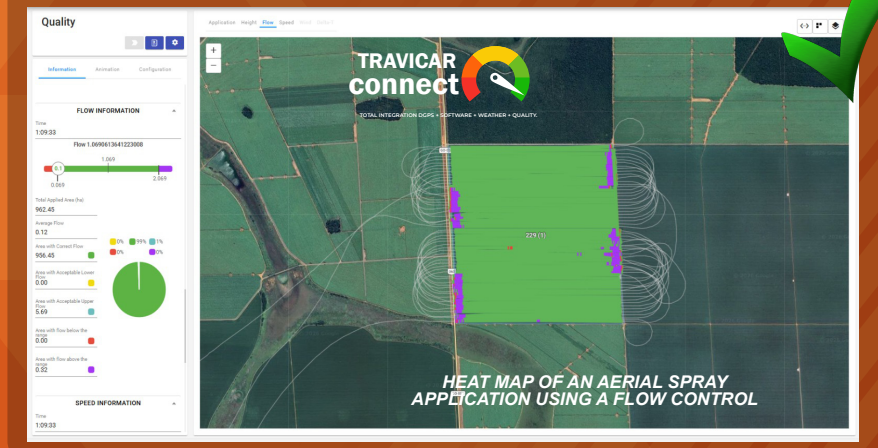
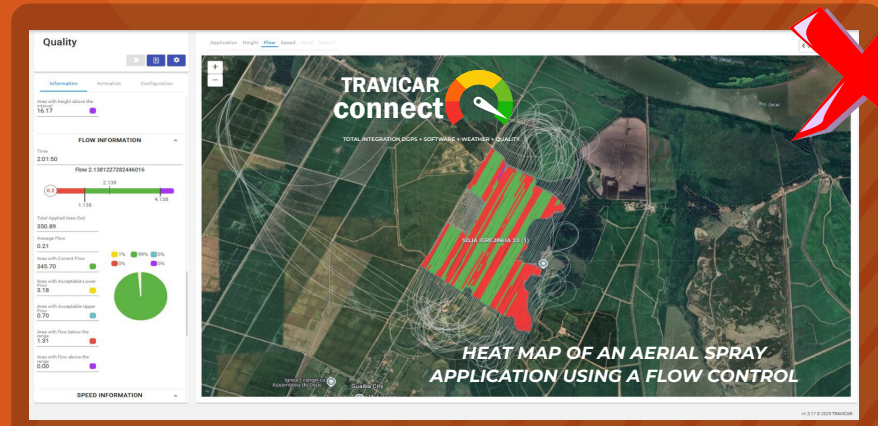
ASSURING AN UNIFORM FLOW DISTRIBUTION ALONG THE ENTIRE APPLICATION.

FLOW CONTROL

1. FULL FLOW CONTROL (PN3783)
2. FLOW READING TURBINE (PN4372)
3. FLOW CONTROL VALVE (PN - UPON REQUEST)
4. ELECTROMAGNETIC FLOWMETER TURBINE (PN3785)







INFORMATION

Robust system with Warranty and Maintenance in the USA.

Turbine and Stainless Steel valve

Fast and accurate correction system.

Coupling system for easy cleaning

Three turbine options to meet the demand of application rates used in agricultural aviation.

TURBINE SELECTION

DN 50	8.7 mpg - 175.9 gpm
DN 40 (STANDARD)	4.2 mpg- 87.9 gpm
DN 25	2.1 gpm - 43 gpm

APPLICATION GUIDE (DGPS) + CONNECTIVITY

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BOOM
SHUT-OFF

ELECTRONIC EQUIPMENT
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AERIAL SPRAY GUIDANCE SYSTEM

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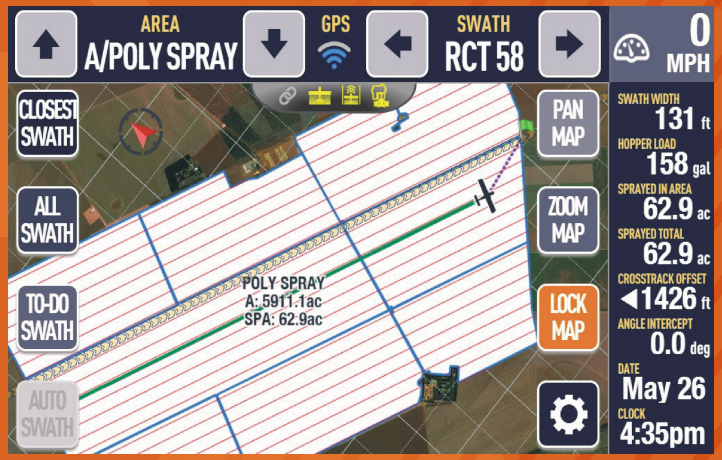
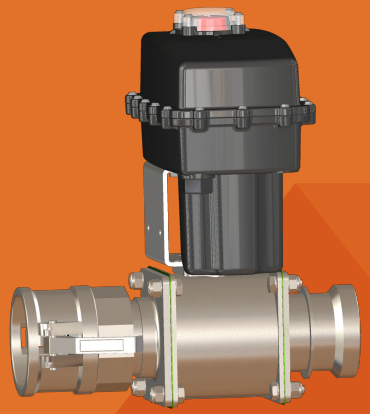
PERFORM HALF-SWATH SPRAYING USING THE SECTION CONTROL SYSTEM FOR THE TRAVICAR DGPS.

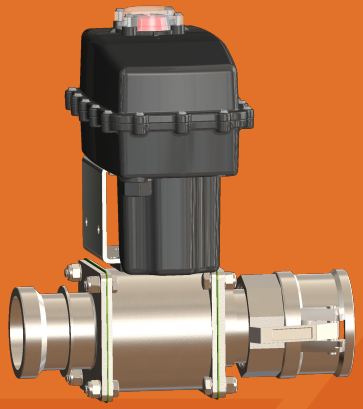
Operating screen integrated with Travicar DGPS system.



On-screen visual indication clearly showing which boom is open and which is closed



1 *RIGHT-HAND SECTION SHUT-OFF VALVEMALE-FEMALE (90278D-MF-1.1/2 / 90278D-MF-2)*



2 *LEFT SECTION SHUTOFF VALVE MALE–FEMALE (90278E-MF-1.1/2 / 90278E-MF-2)*

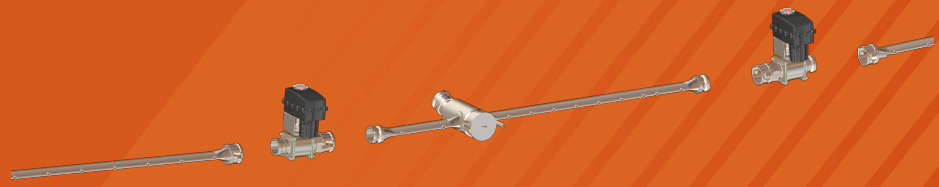
INFORMATION

Robust system with Warranty and maintenance in the USA.

Stainless steel valve.

Opening and closing system with valve in 0.5 seconds.

Relay system to automate the opening and closing of the wind pump.



VALVE ASSEMBLY DEMONSTRATION WE ALSO OFFER ASSEMBLY OPTIONS DIRECTLY ON THE Y-STRAINER.

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ELECTRONIC EQUIPMENT
AIRCRAFT
AERIAL SPRAY GUIDANCE SYSTEM

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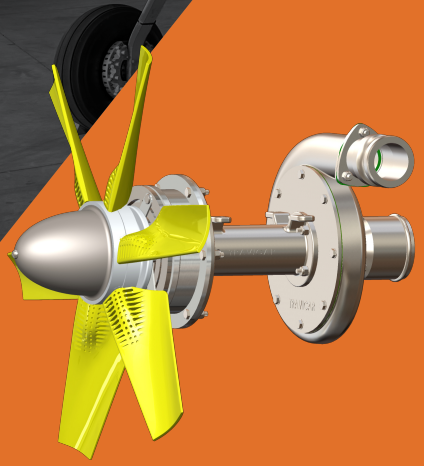
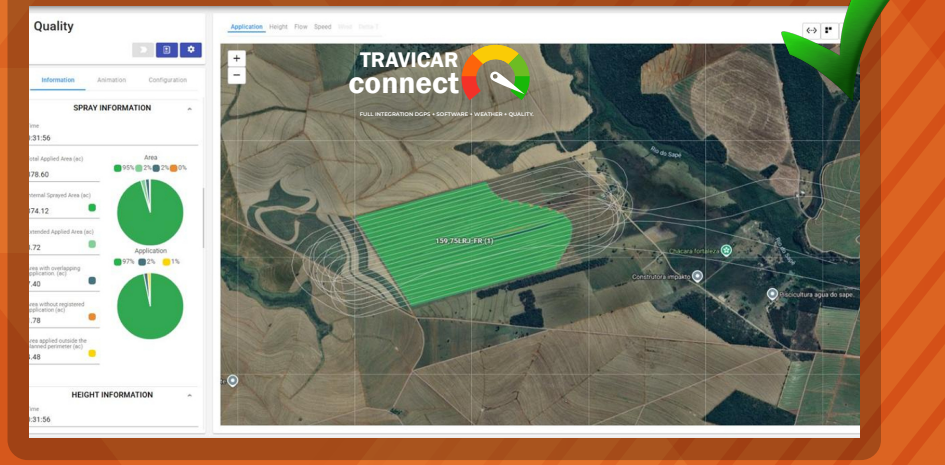
INCREASE SPRAYING PRECISION BY USING POLYGONS ASSOCIATED WITH AUTOMATIC FLOW OPENING AND CLOSING SYSTEMS.

ON/OFF



1 *RELAY FOR SPRAY PUMP (PN G181)*



INFORMATION

Robust system with Warranty and maintenance in the USA.

Stainless steel valve.

Opening and closing system with valve in 0.5 seconds.

Relay system to automate the opening and closing of the wind pump.

2 *AUTOMATIC ON/OFF VALVE (PN 3884)*

APPLICATION GUIDE (DGPS) + CONNECTIVITY

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1970

ELECTRONIC EQUIPMENT
AIRCRAFT
AERIAL SPRAY GUIDANCE SYSTEM

Pensacola - FL
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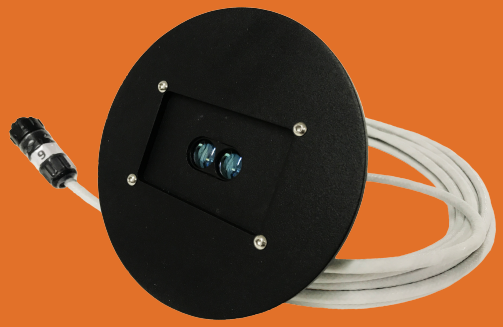
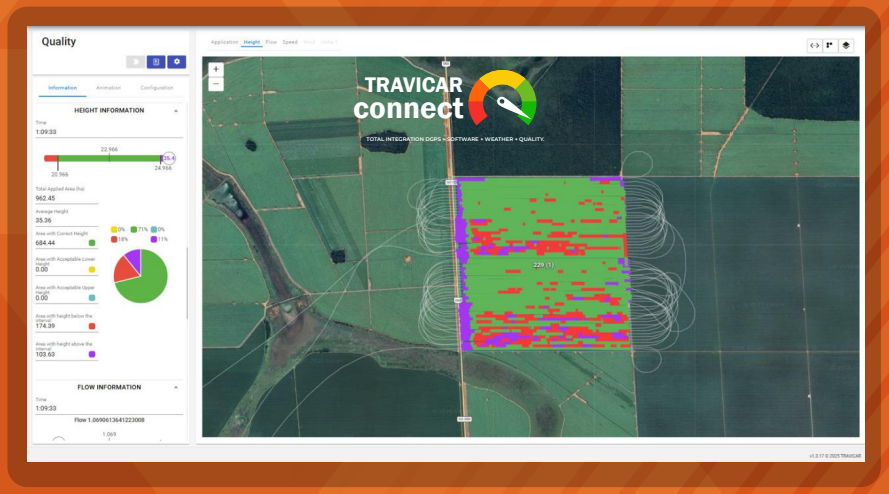
ALTIMETER

PERFECT INSTRUMENT TO MONITOR FLIGHT HEIGHT VARIATION DURING ALL SPRAYING ENSURING THE OPENING OF THE EFFECTIVE RANGE.



1 **LASER ALTIMETER (PN3883)**

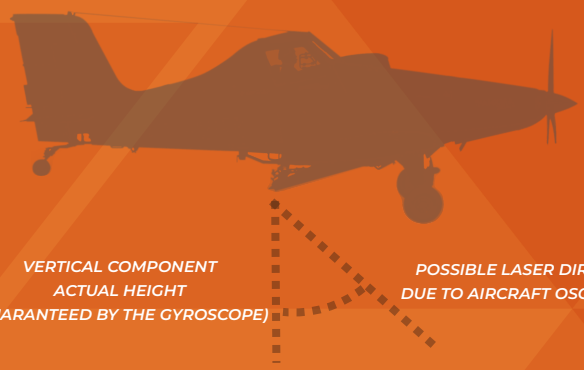


HEAT MAP OF A SPRAY AERIAL SHOWING HEIGHT VARIATION DURING THE FLIGHT.

INFORMATION

- Robust system with Warranty and Maintenance in the USA.
- Easy installation and configuration.
- Reading up to 100 meters.
- Precise and corrected reading with the aid of a gyroscope, always guaranteeing the quality of the information.
- The only system that has a coupled gyroscope to ensure height reading, even with the aircraft oscillating.

ANGLE CORRECTION OPERATION



GYROSCOPE

ALTIMETER + GYROSCOPE

LASER ALTIMETER WITH ANGLE CORRECTION - MAKES THE READING BY LASER ALTIMETER BE CORRECTED BY THE GYROSCOPE ATTACHED TO THE ALTIMETER. ENSURING THE AIRCRAFT'S HEIGHT ACTUAL READING ACCORDING TO THE GROUND/CULTURE.

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INDEPENDENT SETTINGS AND ADJUSTMENTS FOR EACH PILOT

When starting the system, the home screen prompts the identification of the pilot who will be in command of the aircraft. Once selected, all settings are automatically adjusted to the chosen profile. All users have access to the database of areas and other system functions. The pilot profile can be exported to a USB drive and imported into another DGPS Travicar unit, allowing the pilot to quickly transfer their settings and preferences to another aircraft without affecting other pilots' configurations.

EXPORTABLE REPORTS

At any time, you can export application reports containing all relevant information about the completed operation. The export generates two files: one in .PDF format with detailed job information and an application map, and a second file in .KMZ format that can be viewed in Google Earth, containing all data by application swath, aircraft trajectory, flight altitude, and more. Detailed reports can also be generated through the connect software.

MULTIPLE AREAS WITH DISTINCT STRATEGIES

The DGPS Travicar system allows the creation of areas by importing .KMZ or .KML files from Google Earth and Google Maps, by marking polygons during flight, and by using rectangular or traditional pivot marking methods, using A/B lines with a defined width or marked with point C.

In addition to the variety of methods for creating areas, the system allows you to work with all of them simultaneously. This means that during an operation, a new area can be added and spraying can be alternated between them, as well as applying different strategies for each area. All of this is done quickly and easily, as a new area can be added to the working screen with just three taps.

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INTERACTIVE SIMULATOR MODE

DGPS Travicar features a joystick that can be connected to the system, allowing all training to be performed directly on the ground, with the aircraft turned off. This benefit, developed by Travicar, ensures that all pilots receive the same instructions at the same time. It also allows each pilot to simulate applications, including swath marking, strategies, and all available DGPS Travicar features.

EXCLUSION ZONES

The system allows the identification of areas that, for any reason, must not be sprayed. These areas are displayed on the map as exclusion zones and can be easily added or removed. The system detects proximity to these areas, providing distance information and alerting the pilot to stop spray flow. This feature ensures greater safety for the pilot and enables integration with the automatic opening and closing of spray booms.

WAYPOINT INSERTION

For maximum pilot safety in identifying risk areas or points of interest, the DGPS Travicar system allows unlimited waypoint insertion. Waypoints can be added in three ways: imported directly from Google Earth, manually entered by providing latitude and longitude, or added during flight by tapping the desired location on the map or by pressing a button on the control stick.

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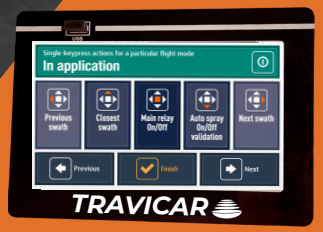
FAST SWATH VISUALIZATION AND NAVIGATION

On the flight screen, it is possible to quickly visualize all swaths by number and color, where the system identifies un-sprayed swaths in red and sprayed swaths in green. With just one tap on the screen icon, the system guides the pilot directly to the selected swath.



CONTROL BUTTON ON THE CONTROL STICK

DGPS Travicar is 100% touchscreen, allowing all functions to be performed directly on the screen. To facilitate pilot control, the system includes a control button on the control stick with different configurations for A/B/C marking, polygon mapping, and during application. There are 5 adjustment options for each function, allowing up to 15 configurations.

SUMMARY MAP

Show the application screen to your client or agronomist during aircraft refueling without the need to navigate through the flight screen, avoiding the risk of changing any work settings. In this viewing mode, the screen centers the applied area and provides navigation buttons for quick selection of multiple applied areas, allowing the completed work to be reviewed in detail quickly.

TRAVICAR
SOLUTIONS IN AGRICULTURAL TECHNOLOGY
1970

CONNECT

AGRICULTURAL EQUIPMENT
AIRCRAFT
SOFTWARE

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CONTROL AND INFORMATION IN ALL STAGES OF A OPERATION OF AIR SPRAYING THROUGH THE TRAVICAR CONNECT SOFTWARE.

MANAGEMENT AREA	FLIGHT PLANNING	OPERATIONAL MANAGEMENT	OPERATIONAL REPORT	FINANCIAL EVALUATION	QUALITY EVALUATION

TRAVICAR CONNECT +

FULL INTEGRATION OF DGPS + SOFTWARE + CLIMATE + QUALITY.

INFORMATION

Delivers full control of the entire air operation.

Manage and edit your areas to get the best performance.

Know your uptime before you even leave the ground using the Smart Planner.

Complete Operational Reports, Quality Analyzer and Financial Analyzer to guarantee the best result.

ONLINE DATA SYNCHRONIZATION WITH DGPS TRAVICAR (Wi-Fi and 5G)

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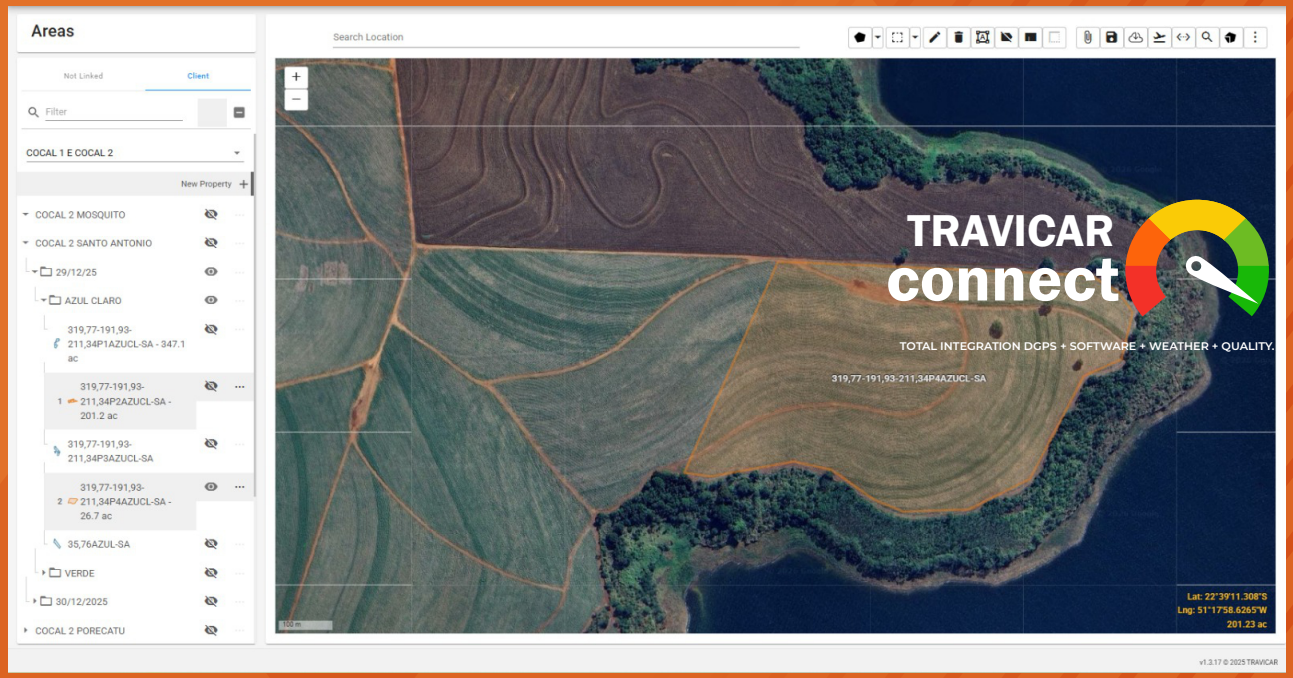
CONNECT

CONTROL AND INFORMATION IN ALL STAGES OF AN OPERATION AIR SPRAYING THROUGH THE TRAVICAR CONNECT SOFTWARE.

AREA MANAGEMENT

Keep your areas organized. Use editing tools without changing the original polygon, to improve spray performance.Create exclusion zones, take measurements, union of polygons, polygons cut, selecting multiple polygons to send it to the DGPS, among other functions.



INFORMATION

Delivery of complete control over all aerial operations.

Manage and edit your areas to get the best performance.

Know the operating time before even leaving the ground, using the Intelligent Planner.

Complete Operational Reports, Quality Analyzer and Financial Analyzer to guarantee the best result.

ONLINE DATA SYNCHRONIZATION WITH DGPS TRAVICAR (Wi-Fi and 5G)

APPLICATION GUIDE (DGPS) + CONNECTIVITY

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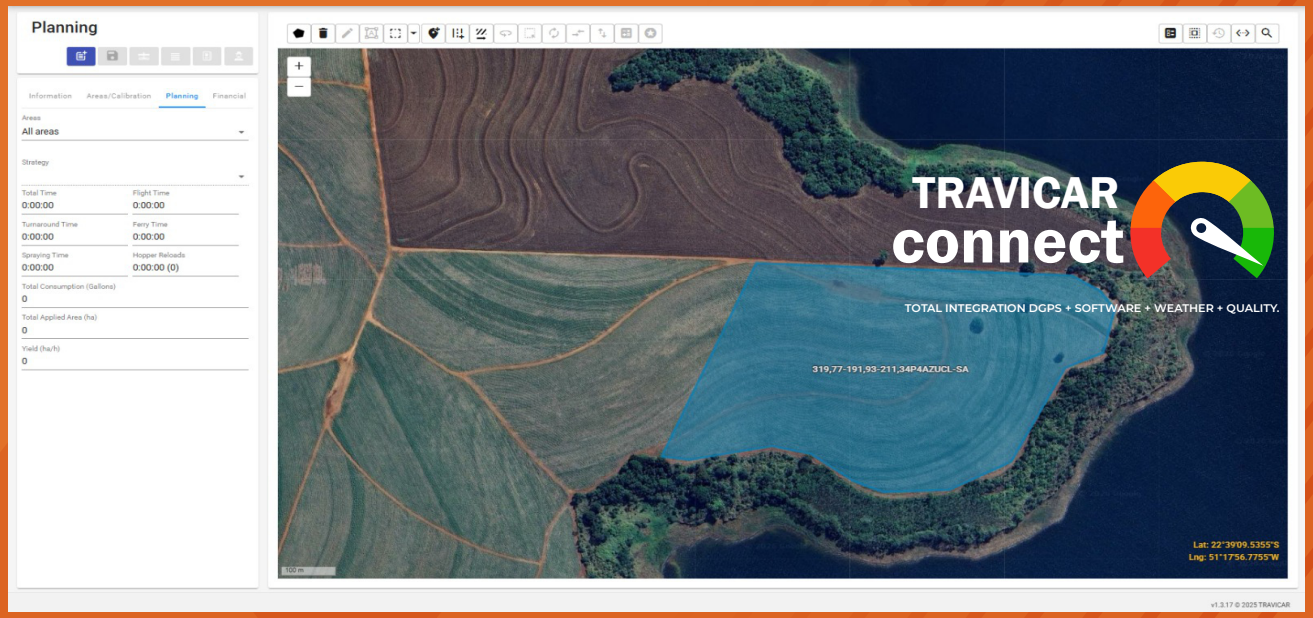
FLIGHT PLANNING

Plan the flight in advance using the most advanced simulation tool in the market, selecting the polygons, positioning the base and the lanes to be used, informing the swath width, application flow and other parameters, in order to obtain as a result, in addition to the work ready to be sent to the DGPS, the calculation of the operation time, the best strategy and the direction of the flight. With the purpose of consistency and reduction of operating costs.



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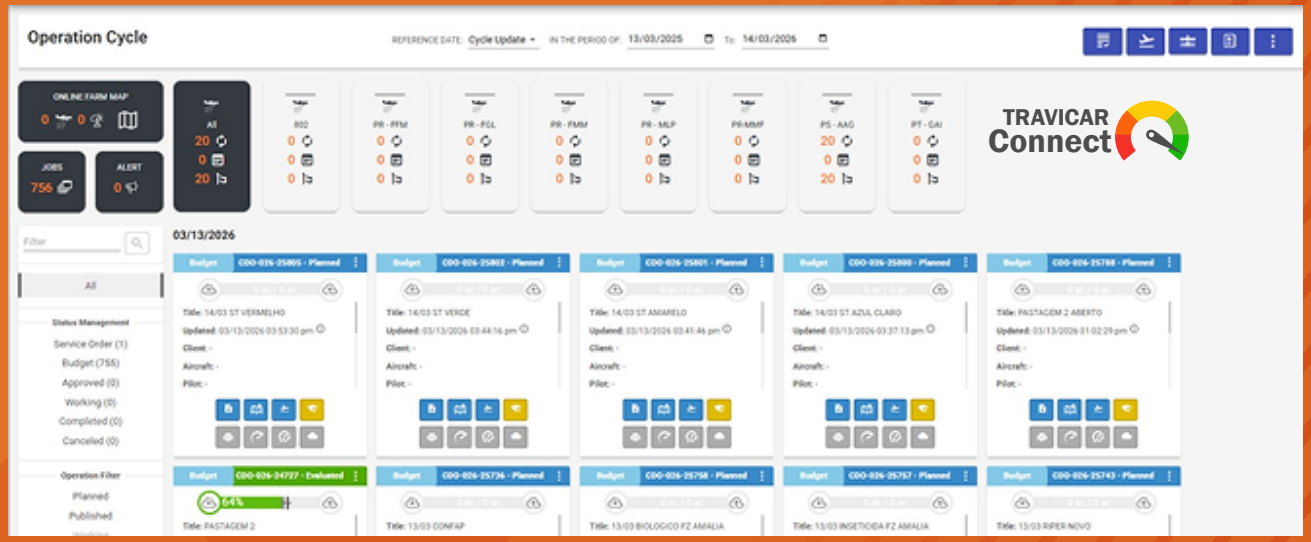
CONTROL AND INFORMATION IN ALL STAGES OF AN AERIAL SPRAYING OPERATION THROUGH THE TRAVICAR CONNECT SOFTWARE.

OPERATIONAL MANAGEMENT

Manage and synchronize with DGPS all your operations throughout the Operational Cycle, a tool created to facilitate management by connectivity and organization of all operational stages of aerial spraying. You will have your data at your fingertips anywhere, send information to the DGPS, receive log files, generate operational reports, perform flight, financial and operation quality analyses.



INFORMATION

Unique system. Delivers full

Control of the entire air operation.

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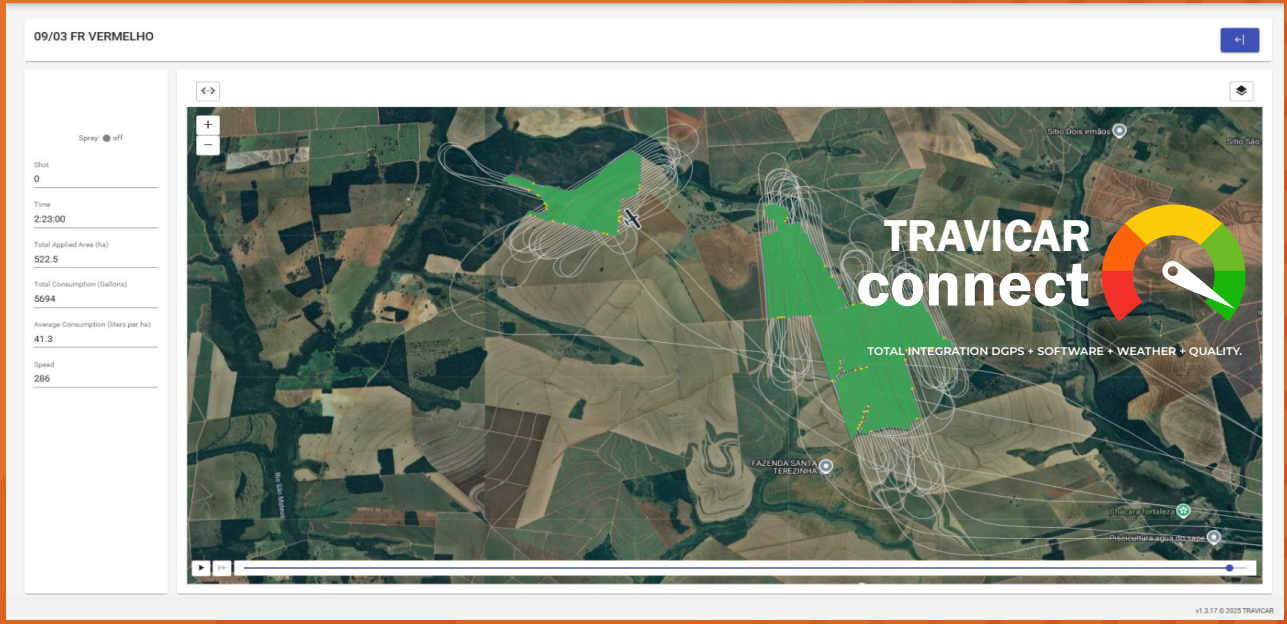
CONTROL AND INFORMATION IN ALL STAGES OF AN AERIAL SPRAYING OPERATION THROUGH THE TRAVICAR CONNECT SOFTWARE.

OPERATIONAL MANAGEMENT

Check all the details about your flight using this tool. Create your own complete report with all the information that is relevant to your operation. See the animated flight after execution, among other unique functions that only Travicar Connect offers in the market.



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CONNECT

CONTROL OF INFORMATION FOR ALL STAGES OF THE AERIAL SPRAYING OPERATION THROUGH THE TRAVICAR CONNECT SOFTWARE.

FINANCIAL EVALUATION

Find out what your financial losses were on a spraying operation. This tool uses the flight log file and makes a summarized report of all stages of the flight, by an analysis of the Operating Time (Ground Time/Transport Time/Balloon Time/Application Time), a Financial analysis comparing what was planned with what was executed and a general analysis of the flight evaluating Yield, Area, Refueling and other variables.

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CONTROL AND INFORMATION IN ALL STAGES OF AN AERIAL SPRAYING OPERATION THROUGH THE TRAVICAR CONNECT SOFTWARE.

ASSESSMENT QUALITY

The greatest innovation for the Aerial Application market. A unique tool for analyzing the quality of aerial applications. It makes it possible to evaluate the entire application from the flight log, where the software analyzes the information generated by the DGPS (Application Location, Spray Speed, Spray Height, Applied Flow) and by Travicar Weather Station (Temperature, Humidity, Wind Speed, Wind Direction, Thermal Inversion), generating Heat Maps and synthesized information.

INFORMATION

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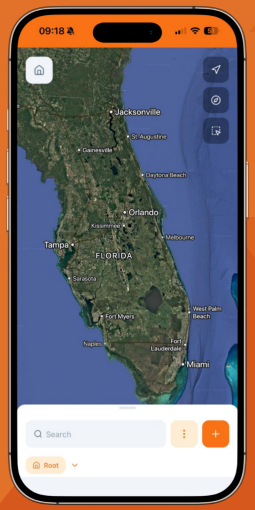
CONNECT APP

Plan, track and analyze your flights like never before.



The Future of Agricultural Aviation

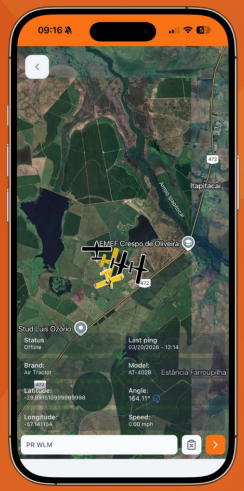
Get access to the tools you need to lead your company to success.

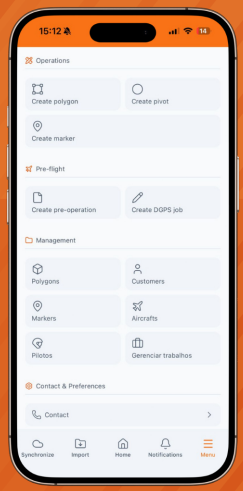
Decision making

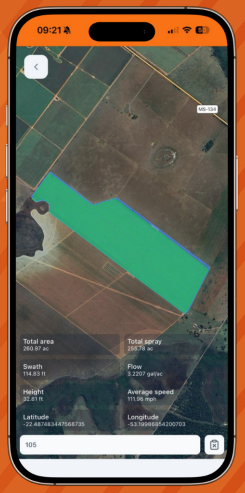
Get the information and parameters necessary for an efficient management.

Essential

Have full control of your activities, plan your flights consciously and get the most profit.







INFORMATION

Available for download on the Apple Store and Google Play.

App Store

Google Play

TRAVICAR
Connect

Travicar Connect App for Agricultural Aviation.

APPLICATION GUIDE (DGPS) + CONNECTIVITY

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AIRCRAFT
WEATHER STATION

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STATION

APPLICATION GUIDE (DGPS) + CONNECTIVITY

ACCURATE WEATHER DATA, USING THE TRAVICAR WINDSENSE PRO TO MONITOR AND EVALUATE YOUR SPRAYING.

WIRELESS COMMUNICATION, 5G AND LORA.

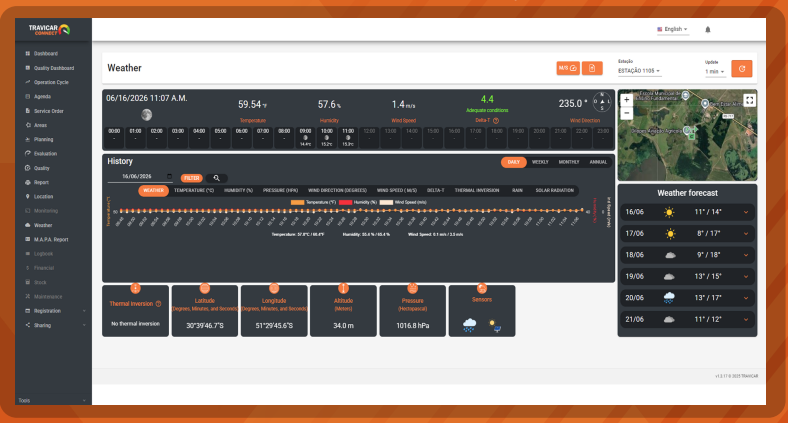
COMMUNICATION WITH CONNECT AND DGPS TRAVICAR.

ACCESS TO ONLINE INFORMATION AND REPORTS.

LOCATION SYSTEM THROUGH GPS.

TRAVICAR Connect

TOTAL INTEGRATION DGPS + SOFTWARE + WEATHER + QUALITY.



110V/220V AND SOLAR POWER SUPPLY.

SECONDARY SENSOR TO EVALUATE THE POSSIBILITY OF THERMAL INVERSION.

1 WEATHER STATION TRAVICAR MOBILE (PNG672)

2 WEATHER STATION TRAVICAR WINDSENSE PRO (PNG638) - 9 INFORMATION (PNG639) - 12 INFORMATION

INFORMATION

Robust system with Warranty and Maintenance in the USA.

High Precision Sensors. Two model options available, with 5 or 7 elements.

GPS location system.

Access to data online with WIRELESS or 5G communication.

Compatible with DGPS TRAVICAR and CONNECT SOFTWARE.

HIGH PRECISION ULTRASONIC SENSOR.

+ TRAVICAR Connect

CLIMATE QUALITY MANAGEMENT AND ANALYSIS SOFTWARE FOR AERIAL SPRAYING.

PRESSURE ATMOSPHERIC · RELATIVE HUMIDITY · TEMPERATURE · WIND DIRECTION · WIND SPEED · DELTA T

THERMAL INVERSION · RAIN · SOLAR RADIATION · LIGHTING · GPS · HEIGHT

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SPRAY
NOZZLES

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NOZZLES

TRAVICAR TT 11 NYLON

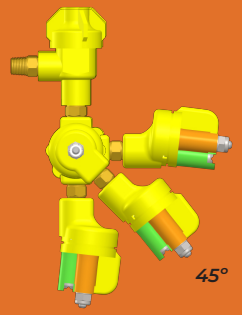
SPRAY NOZZLES

DEFLECTION ANGLES

DROPPLET SPECTRUM ADJUSTMENT.

FLAT SPRAY WITH DEFLECTION BY CLICK
0° / 15° / 30° / 45° / 60° / 75° / 90°.

FLOW: 0.26 gpm - 3.5 gpm.



GREAT ROTARY SYSTEM

INFORMATION

Rotary System to Quick Change Spray Tip.

Alteration of the Deflection Angle through the Click system.

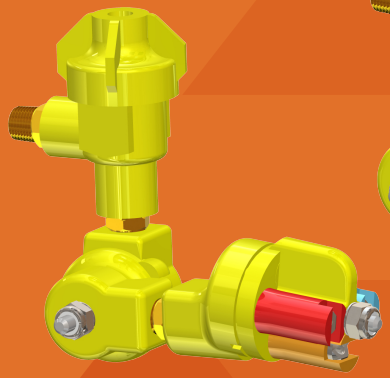
Assorted options for use in different flow rates.

Adjustment of the droplets spectrum through the pressure and angle of the nozzle in relation to the wind.

High Durability Polymer.

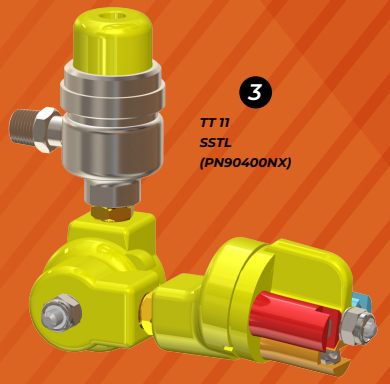
Anti-Drip Valve Options in Polymer, Brass or Stainless Steel.

1 TT 11 NYLON (PN90400)

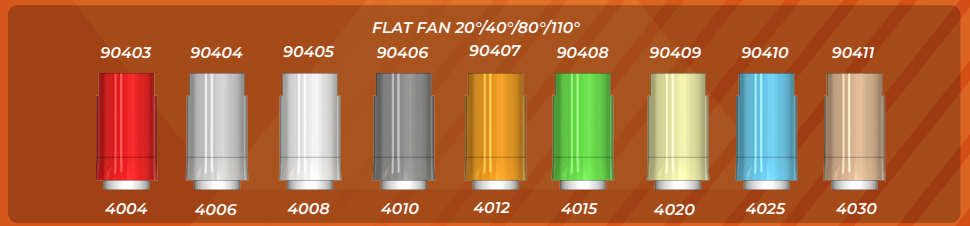


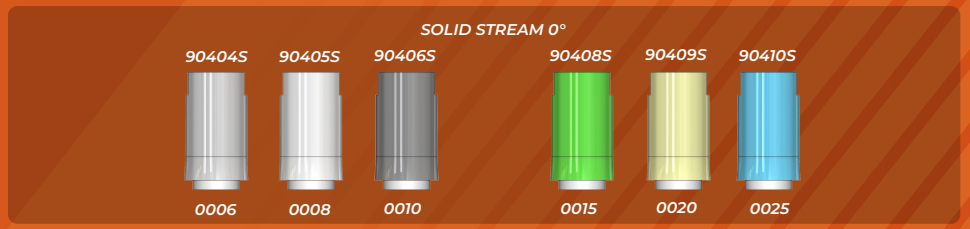
2 TT 11 BRONZE (PN90400BZ)

3 TT 11 SSTL (PN90400NX)



7 CLICK POSITIONS WITH 15° VARIATION.





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NOZZLES

TRAVICAR TT 11 KYNAR

THE TRAVICAR TT 11 KYNAR IS THE LATEST LAUNCH FROM TRAVICAR, A MORE DURABLE, LEAK-TIGHT NOZZLE RESISTANT TO CHEMICAL EXPOSURE, UV RAYS, AND MECHANICAL STRESS.

KYNAR – HIGH-PERFORMANCE POLYMER

COMPARATIVE TABLE: NYLON VS. KYNAR

↓	CHEMICAL RESISTANCE	CHEMICAL RESISTANCE	↑
↓	ABRASION RESISTANCE	ABRASION RESISTANCE	↑
↓	UV RESISTANCE	UV RESISTANCE	↑
↓	MECHANICAL RESISTANCE	MECHANICAL RESISTANCE	↑
↓	DIMENSIONAL STABILITY	DIMENSIONAL STABILITY	↑

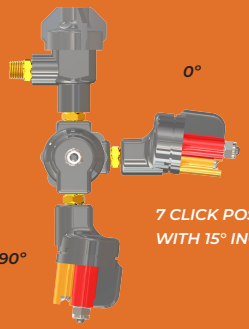
TT11 CAROUSEL - KYNAR W/BRASS (PN90402KB)

DEFLECTION ANGLES

ADJUSTING THE DROPLET SPECTRUM.

FLAT FAN SPRAY WITH CLICK-ADJUSTED DEFLECTION
0° / 15° / 30° / 45° / 60° / 75° / 90°

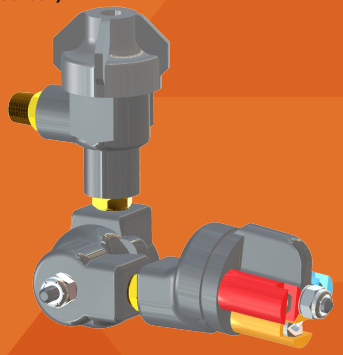
FLOW RATE: 1.0 L/MIN – 13.5 L/MIN.



7 CLICK POSITIONS WITH 15° INCREMENTS

1

TT 11 (PN90400K)



INFORMATION

Quick-Return Rotary System for Spray Nozzles.

Change the Deflection Angle via Click system.

Wide range of work possibilities, both in low and high flow rates.

Adjusting the droplet spectrum through pressure and angle of the nozzle relative to the wind.

High Durability Polymer.

Anti-drip valve options in Polymer, Brass or Stainless Steel.

ROTARY NOZZLE SYSTEM

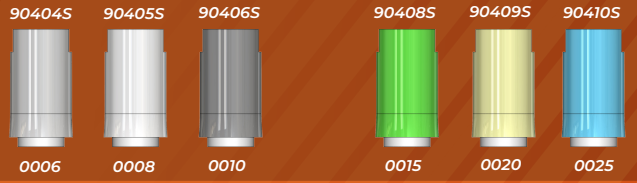
POSITION 1

POSITION 2

POSITION 3

FLAT SPRAY 40° / 80° / 120°

SOLID STREAM 0°



NOZZLES

TRAVICAR TT 03

AGRICULTURAL EQUIPMENT AIRCRAFT SPRAY NOZZLES

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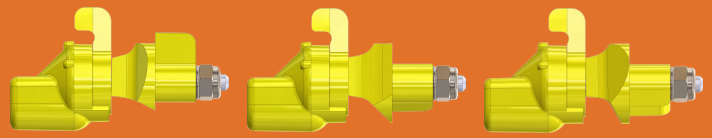
DEFLECTION ANGLES

DROPPLET SPECTRUM ADJUSTMENT.



30° 55° 90°

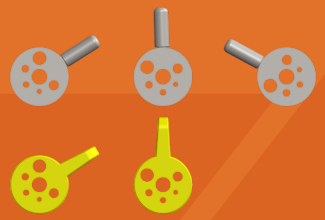
FLAT SPRAY WITH 30°/55°/90° DEFLECTION.

FLOW: 0.26 gpm - 3.96 gpm.

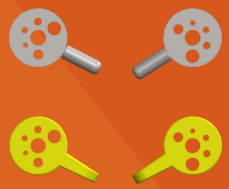
DEFLECTION ANGLES

FLOW ADJUSTMENT THROUGH FROM 4 ORIFICE OR 5 ORIFICE OPTIONS.

OPTION 1



OPTION 2



OPTION 3

OPTION 4

INFORMATION

Versatile Spray System.

Two models of sprayers.

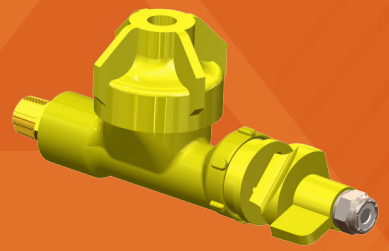
Assorted options for use in different flow rates.

Adjustment of the droplets spectrum through the pressure and angle of the nozzle in relation to the wind.

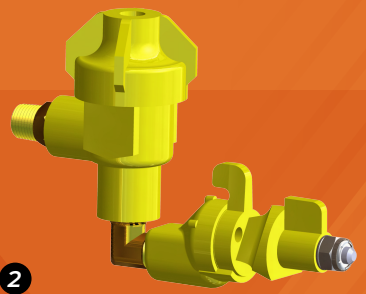
High Durability Polymer.

Anti-Drip Valve Options in Polymer, Brass or Stainless Steel.

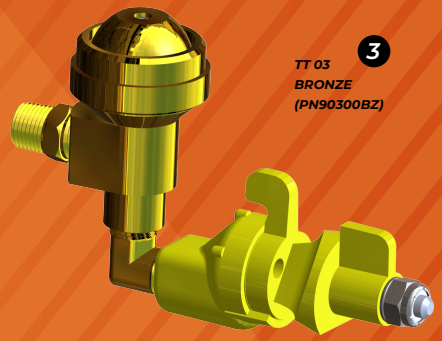
1 SELECTOR FAN TT 03 (PN90088A)



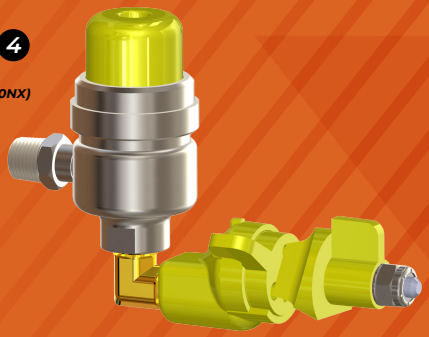
2 TT 03 NYLON (PN90300)



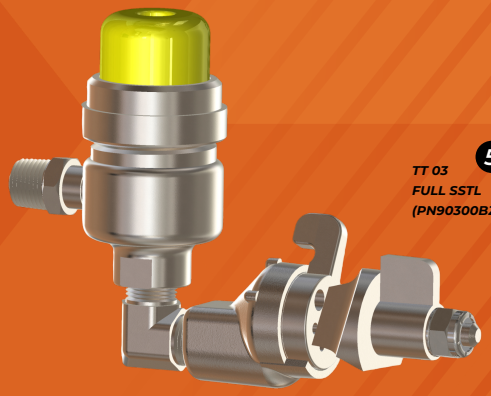
3 TT 03 BRONZE (PN90300BZ)



4 TT 03 SSTL (PN90300NX)



5 TT 03 FULL SSTL (PN90300BZ)



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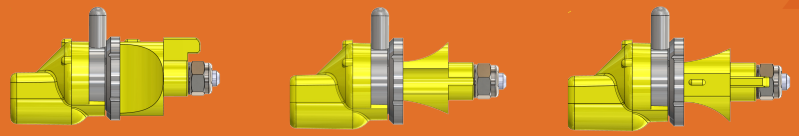
NOZZLES

TRAVICAR TT 09

DEFLECTION ANGLES

DROPPLET SPECTRUM ADJUSTMENT.



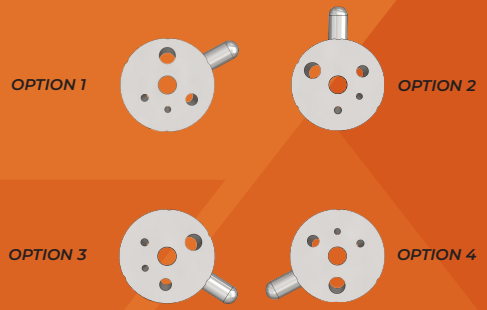
0° 5° 30°

FLAT WITH 30°/55°/90° DEFLECTION.

FLOW: 0.26 gpm - 3.96 gpm.

FLOW REGULATOR

FLOW ADJUSTMENT THROUGH
4 DIFFERENT ORIFICE OPTIONS.



INFORMATION

Versatile Spray System.

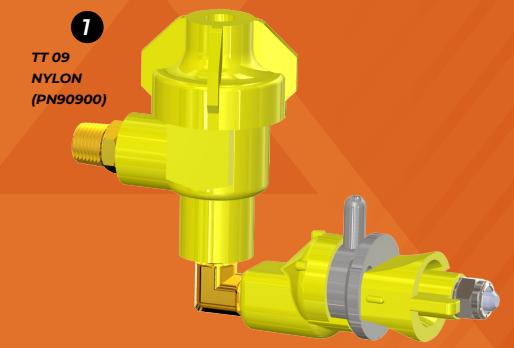
Nozzle option in Polymer or Stainless Steel.

Assorted options for use in different flow rates.

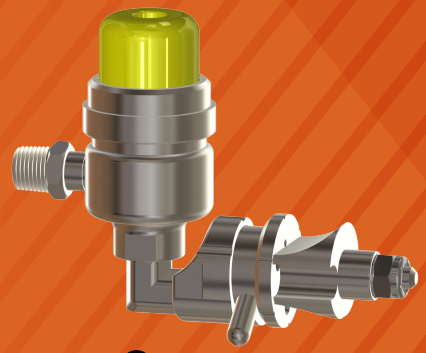
Adjustment of the droplets spectrum through the pressure and angle of the nozzle in relation to the wind.

High Durability Polymer.

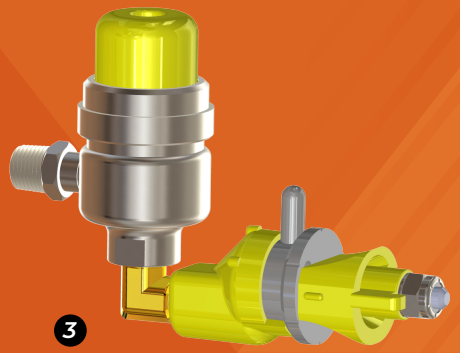
Anti-Drip Valve Options in Polymer, Brass or Stainless Steel.



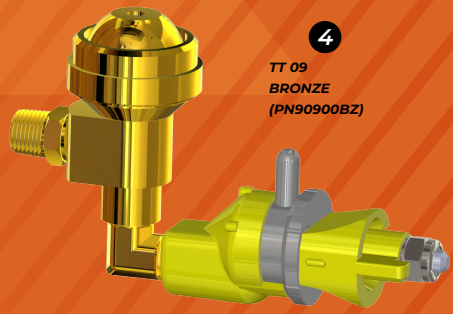
1 TT 09 NYLON (PN90900)



2 TT 09 TOTAL SSTL (PN90900NXTOT)



3 TT 09 SSTL (PN90900NX)



4 TT 09 BRONZE (PN90900BZ)

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NOZZLES

TRAVICAR
CONE SPRAY

CORE DIFFUSER

25 PN 85253 | 45 PN 85248 | 46 PN 85268 | 56 PN 85249

EMPTY AND FULL CONICAL SPRAY.
FLOW : 0.11 gpm - 4.14 gpm.

DISC

D2 PN 85616 | D3 PN 01530 | D4 PN 85601 | D5 PN 01531 | D6 PN 85614

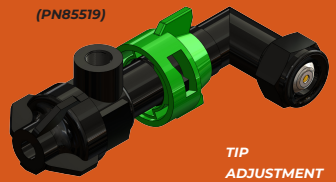
D7 PN 01532 | D8 PN 85615 | D10 PN 85617 | D12 PN 85619 | D14 PN 01349

NOZZLE HOLDER MODELS

POLYMER

1 NYLON NOZZLE (PN05574)

2 NYLON NOZZLE 90° (PN85519)

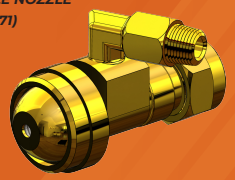


TIP ADJUSTMENT 0° - 90°

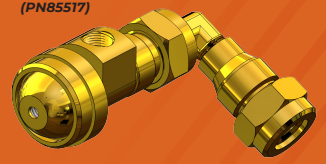
BRONZE

3 BRONZE NOZZLE EXTENSOR NIPPLE (PN85518)

4 BRONZE NOZZLE (PN01071)



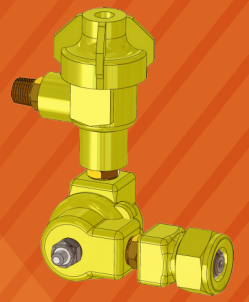
5 BRONZE NOZZLE 90° (PN85517)



TIP ADJUSTMENT 0° - 90°

ARTICULATED POLYMER

6 ARTICULATED NOZZLE TT (PN05579)



TIP ADJUSTMENT WITH CLICK
0° / 15° / 30° / 45° / 60° / 75° / 90°

INFORMATION

Versatile Spray System.

Nozzle holder options in different materials and models.

Assorted options for use in different flow rates.

Adjustment of the droplets spectrum through the pressure and angle of the nozzle in relation to the wind.

Colors Diffusers in Brass and Disc in Stainless Steel.

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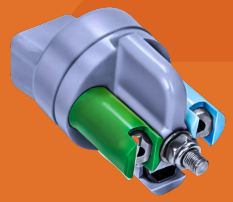
PARTS NOZZLES

1 TT11 CAROUSEL - NYLON (PN90402)

2 TT11 CAROUSEL - KYNAR (PN90402K)



3 TT11 CAROUSEL - KYNAR W/BRASS (PN90402KB)

13 TT03 - FULL SSTL (PN90402)

4 TT09 - NYLON (PN05452)

5 TT09 - KYNAR (PN05452K)

6 TT 09 - STAINLESS STEEL (PN90901SS)

7 TT 09 - SS SELECTOR/DEFLECTOR (PN90901SSD)

INFORMATION

Versatile Spray System.

Nozzle holder options in different materials and models.

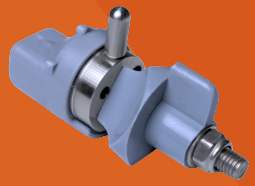
Assorted options for use in different flow rates.

Adjustment of the droplets spectrum through the pressure and angle of the nozzle in relation to the wind.

Colors Diffusers in Brass and Disc in Stainless Steel.

8 TT03 SSTL - NYLON (PN90302)

9 TT03 SSTL - KYNAR (PN90302K)



10 TT03 SSTL SELECTOR AND ANGLE (PN90300NXNX)

11 TT03 - NYLON (PN90302)

12 TT03 - KYNAR (PN90302K)

AGRICULTURAL EQUIPMENT
AIRCRAFT
SPRAY NOZZLES

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PARTS
NOZZLES

1 TT04 CHECK VALVE - NYLON (PN90301)

2 TT04 CHECK VALVE - KYNAR (PN90301K)

3 TT04 CHECK VALVE - KYNAR W/BRASS (PN90301KR)

4 Tt04 CHECK VALVE - SSTL (PN90307)

5 TT06 - NYLON (PN90401)

6 TT06 - KYNAR (PN90401K)

7 TT06 - KYNAR W/BRASS (PN90401KR)

INFORMATION

Versatile Spray System.

Nozzle holder options in different materials and models.

Assorted options for use in different flow rates.

Adjustment of the droplets spectrum through the pressure and angle of the nozzle in relation to the wind.

Colors Diffusers in Brass and Disc in Stainless Steel.

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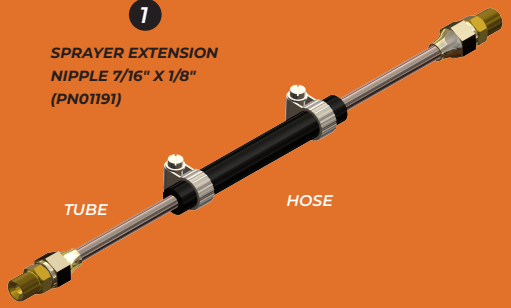
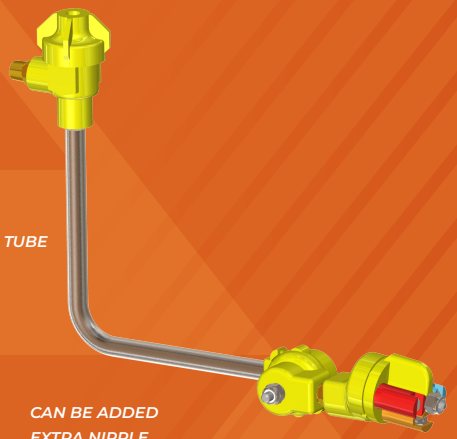
NOZZLES

EXTENSION

1

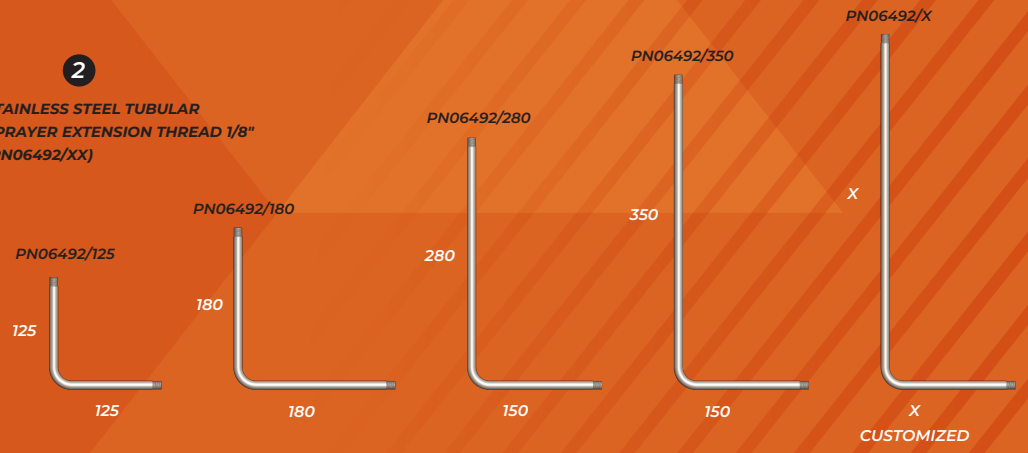
SPRAYER EXTENSION NIPPLE 7/16" X 1/8" (PN01191)





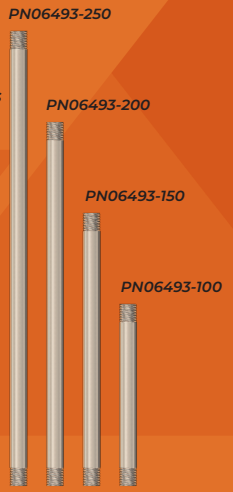
2

STAINLESS STEEL TUBULAR SPRAYER EXTENSION THREAD 1/8" (PN06492/XX)



3

STAINLESS STEEL EXTENSION TUBES FOR STRAIGHT NOZZLES (PN06493/X)



INFORMATION

Two configuration options.

Various models with different and customized sizes.

Option in stainless steel or brass.

Adaptable to any type of aircraft with a 1/8" thread.

AGRICULTURAL EQUIPMENT
AIRCRAFT
SPRAY NOZZLES

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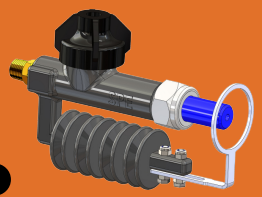
NOZZLES
TRAVICAR ELECTROSTATIC

ELECTROSTATIC SPRAY NOZZLE

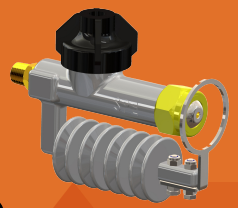
CERAMICS



1 **ELECTROSTATIC CERAMIC NOZZLE (PN90500)**

CONICAL SPRAY
FLOW RATE: 0.04 gpm - 0.81 gpm

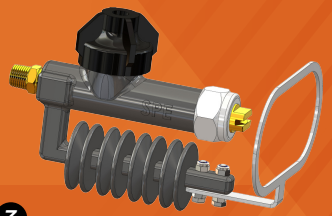
CORE & DISC



2 **ELECTROSTATIC CORE & DISC (PN90600)**

CONICAL SPRAY
FLOW RATE: 0.13 gpm - 1.13 gpm

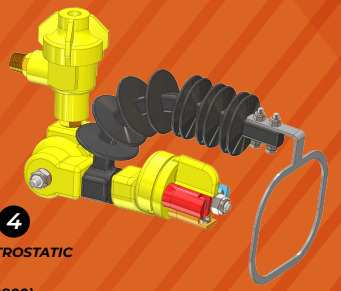
FAN TIP 80°



3 **ELECTROSTATIC FLAT-FAN (PN90700)**

FLAT FAN 80°
FLOW RATE: 0.13 gpm - 1.18 gpm

TT 11



4 **ELECTROSTATIC TT 11 (PN90800)**

FLAT FAN 40°
FLOW RATE: 0.26 gpm - 1.7 gpm

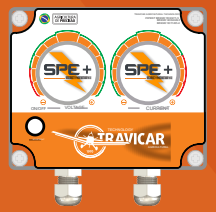
INFORMATION

- Drift reduction.
- Better application coverage.
- Increase in drop application speed.
- Various nozzle options.
- Robust voltage sources.
- High Durability Special Polymer
- The best option to work in adverse situations.

VOLTAGE SOURCES

POSITIVE

NEGATIVE

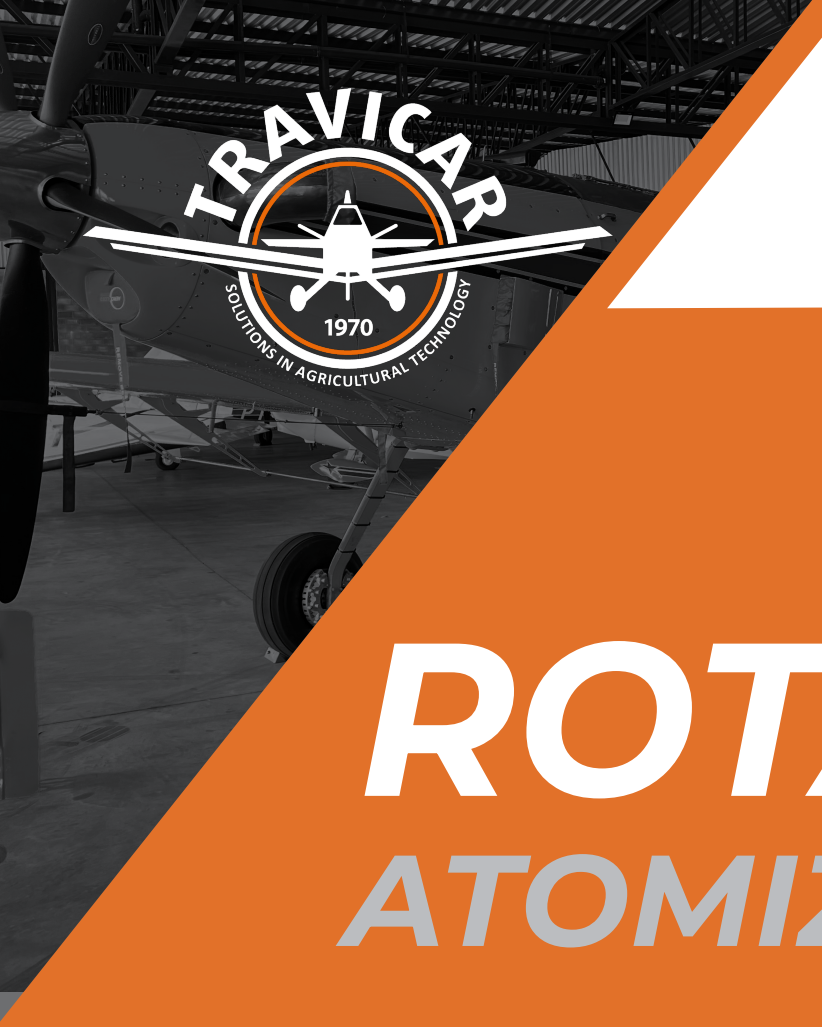


VOLTAGE SOURCES WITH REVERSE POLARITIES, ONE FOR EACH SPRAY BAR.

ELECTROSTATIC SPRAYING SYSTEM

BENEFITS

- HIGHER DEPOSITION **SPEED**
- BETTER **COVERAGE** AND **PENETRATION**
- **REDUCING** ENVIRONMENTAL **IMPACT**
- SAVINGS OF **OPERATING COSTS**
- HIGHER CONTROL OF **PEST** AND **DISEASES**
- **INCREASE** IN **PRODUCTIVITY**



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ROTARY
ATOMIZERS

ROTARY ATOMIZERS IN STAINLESS STEEL AND FULL STAINLESS STEEL

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ROTARY ATOMIZERS IN STAINLESS STEEL AND FULL STAINLESS STEEL

ATOMIZERS
FULL STAINLESS STEEL

100% STAINLESS STEEL

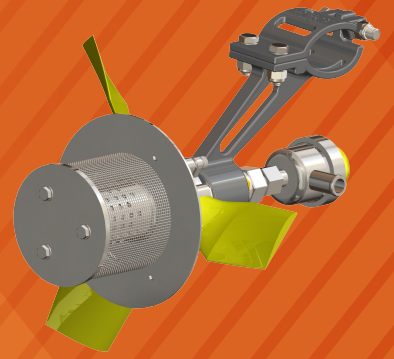
ROTARY ATOMIZER TYPES 100% STAINLESS STEEL

ATOMIZER 81mm	ATOMIZER 98mm	ATOMIZER 81mm D104	ATOMIZER 75mm D125

1 ROTARY ATOMIZER SCREEN 81 (PN04165NX)

2 ROTARY ATOMIZER SCREEN 98 (PN05165NX)

3 ROTARY ATOMIZER SCREEN 81 D104 (PN06165NX)



4 ROTARY ATOMIZER SCREEN 75 D125 (PN07165NX)

GAUZE ASSY
1.5mm / 2.2mm / 3mm / 4mm / 6.5mm

STAINLESS STEEL MESH
Mesh 14
Mesh 6

INFORMATION

High durability 100% Stainless Steel.

Holder options for Booms in 1 1/4" / 1 1/2" / 2" Stainless Steel.

Several options for Setup and Configurations.

Three options of Blade Sizes: 50mm - 70mm - 90mm.

options:
Rigid Perforated Screen or Mesh Screen.

FLOW AJUSTMENT VALVE (VRU)

STAINLESS STEEL.

NUT 1/4" NPT.

FLOW: 1.5 l/min - 32.5 l/min.

POSSIBILITY OF MANY CONFIGURATIONS.

100% STAINLESS STEEL BODY ✓

AXIS WITH CHROME COATING ✓

BIGGER BEARING ✓

AGRICULTURAL EQUIPMENT
AIRCRAFT
ROTARY ATOMIZER

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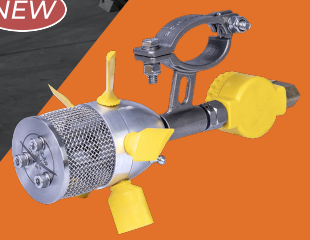
ATOMIZERS
STAINLESS STEEL

MINI ATOMIZER

NEW



MINI ATOMIZER
(PN03165)

ROTARY ATOMIZER TYPES

ATOMIZER 81mm	ATOMIZER 98mm	ATOMIZER 81mm D104	ATOMIZER 75mm D125

1 ROTARY ATOMIZER SCREEN 81
(PN04165)

2 ROTARY ATOMIZER SCREEN 98
(PN05165)

3 ROTARY ATOMIZER SCREEN 81 D104
(PN06165)

4 ROTARY ATOMIZER SCREEN 75 D125
(PN07165)

INFORMATION

Great durability.

Boom size types:
1 1/4" / 1 1/2" / 2" 2 - 1/2 in Stainless Steel

Several options for Setup and Configurations.

Two options of Blade Sizes 70mm and 90mm.

Two Screen options:
Rigid Perforated Screen or Mesh Screen.

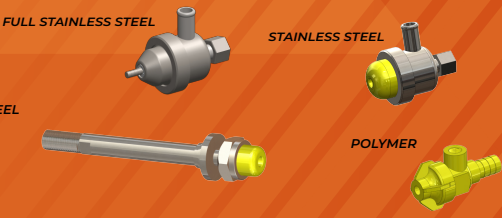
FLOW AJUSTMENT VALVE (VRU)

POLYMER OR STAINLESS STEEL.

NUT 1/4" NPT.

FLOW RANGE: 1.5 l/min - 32.5 l/min.

SEVERAL OPTIONS FOR SETUP.



EXTERNAL ALUMINUM CUBES - COVERS AND INTERNAL DEFLECTORS IN STAINLESS STEEL. ✓

CHROME COATED AXIS ✓

POLYMER OR STAINLESS STEEL ANTI DRIPPING ✓

ROTARY ATOMIZERS IN STAINLESS STEEL AND FULL STAINLESS STEEL

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ROTARY ATOMIZERS IN STAINLESS STEEL AND FULL STAINLESS STEEL

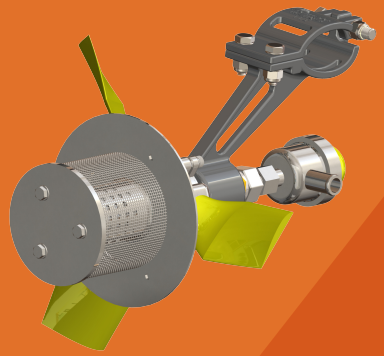
ATOMIZERS
HOW TO CHOOSE?

HOW TO SELECT THE RIGHT ATOMIZER MODEL AND ITS PARTS.

STEP 1

SELECT THE ATOMIZER MODEL.

EXAMPLE: ATOMIZER 75 D125 100% STAINLESS STEEL.



STEP 2

SELECT THE MOUNTING CLAMP.

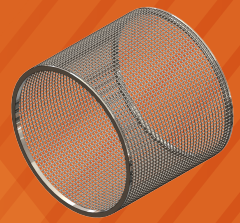
EXAMPLE: ATOMIZER MOUNTING CLAMP.

2" BOOM STAINLESS STEEL.

STEP 3

SELECT THE GAUZE ASSY MODEL.

EXAMPLE: MESH 14.



STEP 4

SELECT THE FAN BLADE MODEL.

EXAMPLE: 70mm FAN BLADES.

STEP 5

SELECT THE SPINDLE ASSY CHECK VALVE.

EXAMPLE: EQUALIZED SPINDLE ASSY POLYMER CHECK VALVE.

STEP 6

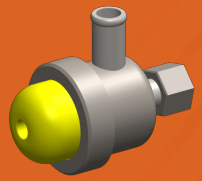
SELECT THE VRU MODEL

EXAMPLE: STANDARD STAINLESS STEEL VRU

STEP 7

SELECT THE CHECK VALVE MODEL.

EXAMPLE: STAINLESS STEEL CHECK VALVE 5/8".



STEP 8

SELECT THE ATOMIZER FEED SYSTEM.

EXAMPLE: 1/4" NPT VRU MOUNTED ON SPRAY BOOM.

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ATOMIZERS
STAINLESS STEEL CLAMPS

STAINLESS STEEL MOUNTING CLAMPS FOR ATOMIZERS

1 1/4"

1 *1 1/4" STAINLESS STEEL ATOMIZER MOUNTING CLAMPS (PN05408)*

1 1/2"

2 *1 1/2" STAINLESS STEEL ATOMIZER MOUNTING CLAMPS (PN05409)*

3 *2" STAINLESS STEEL ATOMIZER MOUNTING CLAMPS (PN05410)*

2"

4 *STAINLESS STEEL ATOMIZER MOUNTING CLAMPS (PN0547130)*

2 1/2"

5 *2 1/2" STAINLESS STEEL ATOMIZER MOUNTING CLAMPS (PN05403)*

INFORMATION

Stainless steel.

Anti-vibration system with rubber.

Four size options.

High durability and resistance.

ROTARY ATOMIZERS IN STAINLESS STEEL AND FULL STAINLESS STEEL

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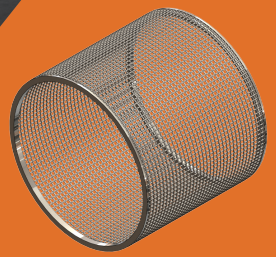
ATOMIZERS
STAINLESS STEEL GAUZE

ROTARY ATOMIZERS IN STAINLESS STEEL AND FULL STAINLESS STEEL



INFORMATION

Stainless steel GAUZE ASSY.

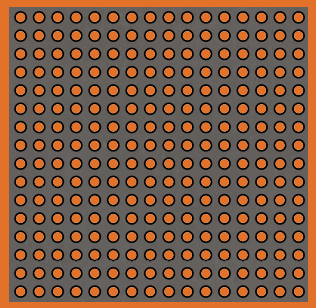
Perforated sheet metal in various hole and shape options.

Stainless steel mesh in various mesh options.

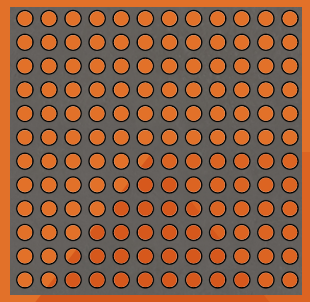
High durability and resistance.

GAUZE MODELS IN PERFORATED SHEET METAL AND MONEL MESH

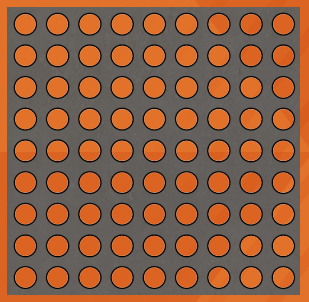
PERFORATED SHEET 1.5 MM ROUND HOLE



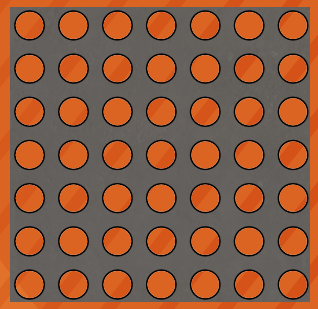
PERFORATED SHEET 2.2 MM ROUND HOLE



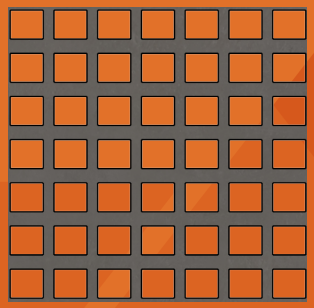
PERFORATED SHEET 3 MM ROUND HOLE



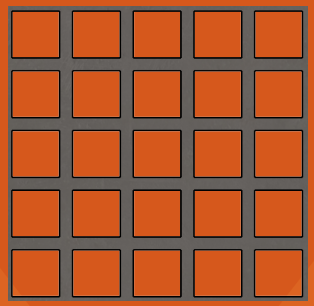
PERFORATED SHEET 4 MM ROUND HOLE



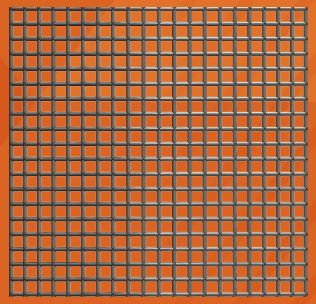
PERFORATED SHEET 4 MM SQUARE HOLE



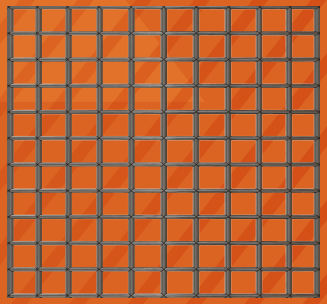
PERFORATED SHEET 6.5 MM SQUARE HOLE

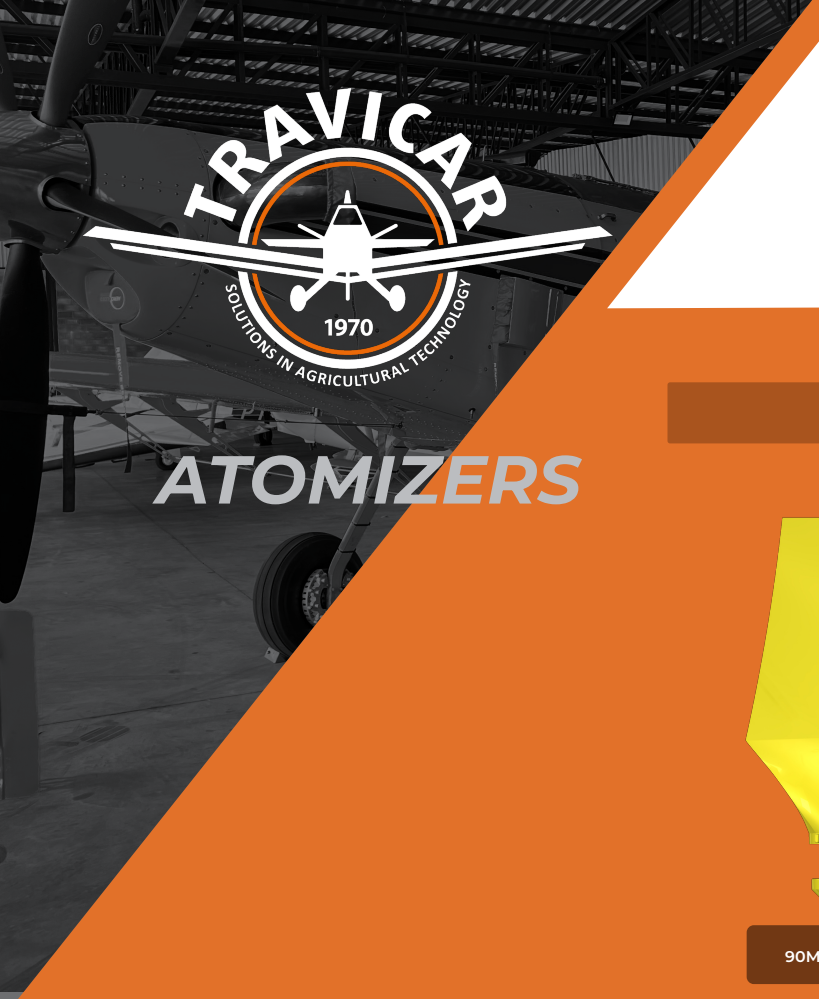


MESH 14



MESH 6





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ATOMIZERS

AGRICULTURAL EQUIPMENT
AIRCRAFT
ROTARY ATOMIZER

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ROTARY ATOMIZERS IN STAINLESS STEEL AND FULL STAINLESS STEEL

FAN BLADE MODELS

90MM FAN BLADES

70MM FAN BLADES

50MM FAN BLADES

INFORMATION

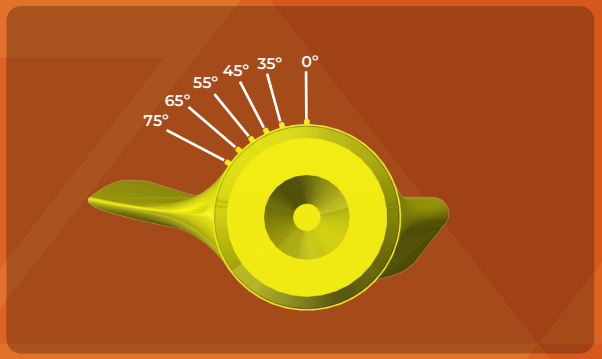
Made of Nylon.

Three size options
50mm, 70mm and 90mm.

Two color options:
black or yellow.

High durability and resistance.

BLADE PITCH ADJUSTMENT



INDICATIONS:

90MM - CESSNA - PIPER
70MM AIR TRACTOR 402/502 - THRUSH
50MM AIR TRACTOR 602/802

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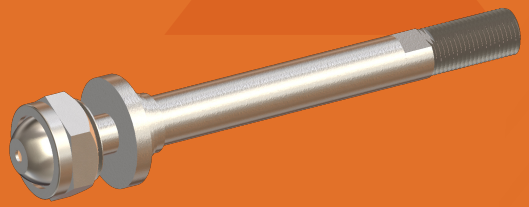
ROTARY ATOMIZERS IN STAINLESS STEEL AND FULL STAINLESS STEEL

ATOMIZERS
SSTL SPINDLE + HARD CHROME

MODELS OF CHECK VALVE EQUALIZATION SYSTEMS FOR ATOMIZER'S SPINDLE

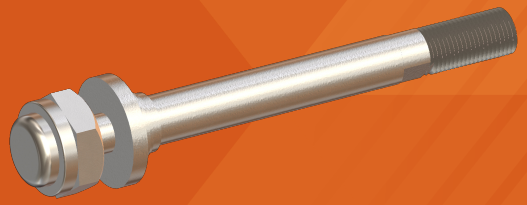
CHECK VALVE EQUALIZED SYSTEM IN POLYMER

HARD CHROME PLATED SPINDLE



HARD CHROME PLATED SPINDLE

OPEN SYSTEM IN STAINLESS STEEL



INFORMATION

Stainless Steel.

Two sealing system options.

Hard chrome coating to increase service life.

High durability and resistance.

ASSEMBLY AND DISASSEMBLY WRENCH

TOTAL QUALITY
STAINLESS STEEL + HARD CHROME

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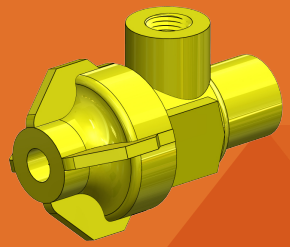
ATOMIZERS
CHECK VALVE

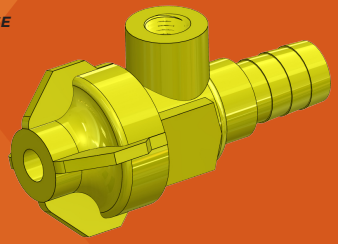
MODELS OF ANTI-DRIP VALVES IN STAINLESS STEEL AND POLYMER FOR ATOMIZERS

POLYMER

1 *ANTI-DRIP VALVE 1/8" INTERNAL THREAD (PN90301)*



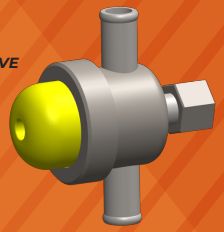
2 *ANTI-DRIP VALVE 1/8" THREAD – 1/2" HOSE (PN05360)*



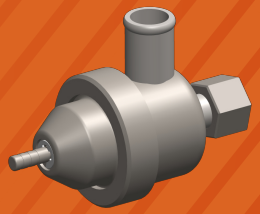
STAINLESS STEEL

3 *STAINLESS STEEL ANTI-DRIP VALVE (PN05361-1/2) (PN05361-5/8)*

4 *DOUBLE STAINLESS STEEL ANTI-DRIP VALVE (PN05361-1/2D) (PN05361-5/8D)*



5 *FULL STAINLESS STEEL ANTI-DRIP VALVE (PN05361-1/2D) (PN05361-5/8D)*



INFORMATION

Polymer or Stainless Steel.

For use on the boom or directly on the atomizer.

Various hose size options.

High durability and resistance.

ROTARY ATOMIZERS IN STAINLESS STEEL AND FULL STAINLESS STEEL

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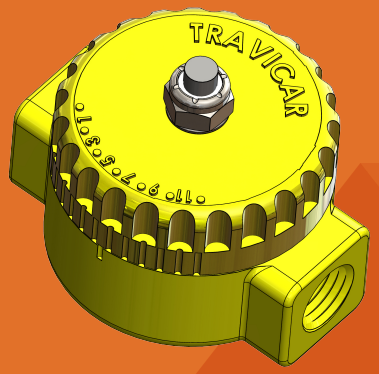
ROTARY ATOMIZERS IN STAINLESS STEEL AND FULL STAINLESS STEEL

ATOMIZERS

STAINLESS STEEL AND POLYMER VRU

MODELS OF FLOW REGULATORS (VRU) IN STAINLESS STEEL AND POLYMER FOR ATOMIZERS

POLYMER



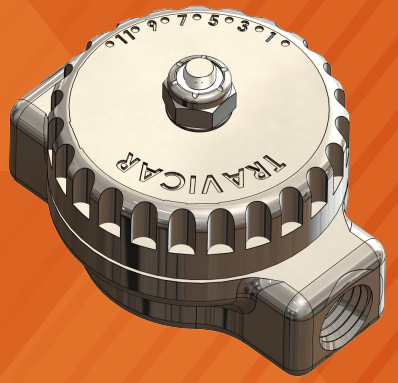
1

V.R.U POLYMER
(PN05162-M02-1/2)

Product techniques Information

Flow Range: 1.6 l/min - 32.8 l/min
Pressure Range: 20 PSI - 60 PSI

STAINLESS STEEL



2

V.R.U SSTL
(PN05162-M03-1/2) - STANDARD
(PN05162-M04-1/2) - HIGH FLOW RATE

Product techniques Information

Flow Range: 1.5 l/min - 32.8 l/min
Pressure Range: 20 PSI - 60 PSI

INFORMATION

Polymer or Stainless Steel.

Wide flow range.

1/8" or 1/4" thread.

Compatible with atomizers from other manufacturers.

High durability and resistance.

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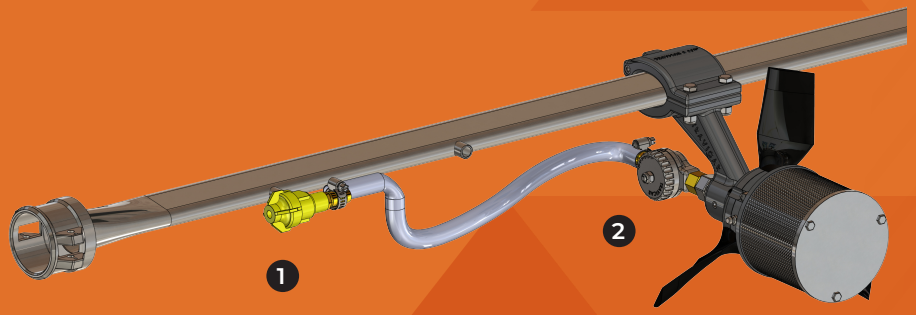
ATOMIZERS
SINGLEFEED

INSTALLATION AND FEEDING MODELS FOR ATOMIZERS – SINGLE FEED

STAINLESS STEEL V.R.U WITH 1 FEED (V.R.U ON THE ATOMIZER SHAFT)



1 *POLYMER CHECK VALVE 1/2" (PN05360)*

2 *STAINLESS STEEL OR POLYMER V.R.U*
(PN05162-M02-1/2 POLYMER) – STANDARD
(PN05162-M03-1/2 STAINLESS STEEL) – STANDARD
(PN05162-M04-1/2 STAINLESS STEEL) – HIGH FLOW

Product techniques Information

Flow range 1.9 l/min - 23 l/min
Pressure range: 20 PSI - 60 PSI

STAINLESS STEEL V.R.U WITH 1 FEED (V.R.U ON THE SPRAY BOOM)

3 *STAINLESS STEEL OR POLYMER V.R.U*
(PN05162-M02-1/2 POLYMER) – STANDARD
(PN05162-M03-1/2 STAINLESS STEEL) – STANDARD
(PN05162-M04-1/2 STAINLESS STEEL) – HIGH FLOW

4 *STAINLESS STEEL CHECK VALVE*
(PN05361-1/2)
(PN05361-5/8)

Product techniques Information

Flow Range 1/8" Nipple: 2.0 l/min - 20.8 l/min
Flow Range 1/8" Nipple: 2.2 l/min - 32.5 l/min
Pressure Range: 20 PSI - 60 PSI

INFORMATION

Stainless Steel or Polymer.

Various mounting options.

1/2" or 5/8" hose options.

High durability and resistance.

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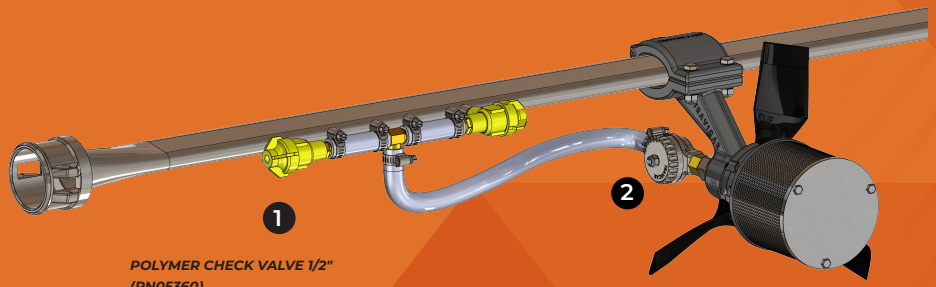
ATOMIZERS
DUAL FEED SYSTEM

ROTARY ATOMIZERS IN STAINLESS STEEL AND FULL STAINLESS STEEL

INSTALLATION AND FEEDING MODELS FOR ATOMIZERS - DOUBLE FEED SYSTEM

STAINLESS STEEL V.R.U WITH 2 FEEDS (V.R.U ON THE ATOMIZER SHAFT)



1 *POLYMER CHECK VALVE 1/2"*
(PN05360)

2 *V.R.U STAINLESS STEEL OR POLYMER*
(PN05162-M02-1/2 POLYMER) - STANDARD
(PN05162-M03-1/2 STAINLESS STEEL) - STANDARD
(PN05162-M04-1/2 STAINLESS STEEL) - HIGH FLOW

Product techniques Information

Flow Range: 1.6 l/min - 29 l/min
Pressure Range: 20 PSI - 60 PSI

STAINLESS STEEL V.R.U WITH 2 FEEDS (V.R.U ON THE SPRAY BOOM)

3 *V.R.U STAINLESS STEEL OR POLYMER*
(PN05162-M02-1/2 POLYMER) - STANDARD
(PN05162-M03-1/2 STAINLESS STEEL) - STANDARD
(PN05162-M04-1/2 STAINLESS STEEL) - HIGH FLOW

4 *DOUBLE CHECK VALVE*
STAINLESS STEEL
(PN05361D-1/2)
(PN05361D-5/8)

3 *V.R.U STAINLESS STEEL OR POLYMER*
(PN05162-M02-1/2 POLYMER) - STANDARD
(PN05162-M03-1/2 STAINLESS STEEL) - STANDARD
(PN05162-M04-1/2 STAINLESS STEEL) - HIGH FLOW

Product techniques Information

Flow Range: 45 l/min.
Pressure Range: 20 PSI - 60 PSI

INFORMATION

Stainless Steel or Polymer.

Multiple Mounting Options.

Hose Options: 1/2" or 5/8".

High Durability and Resistance.

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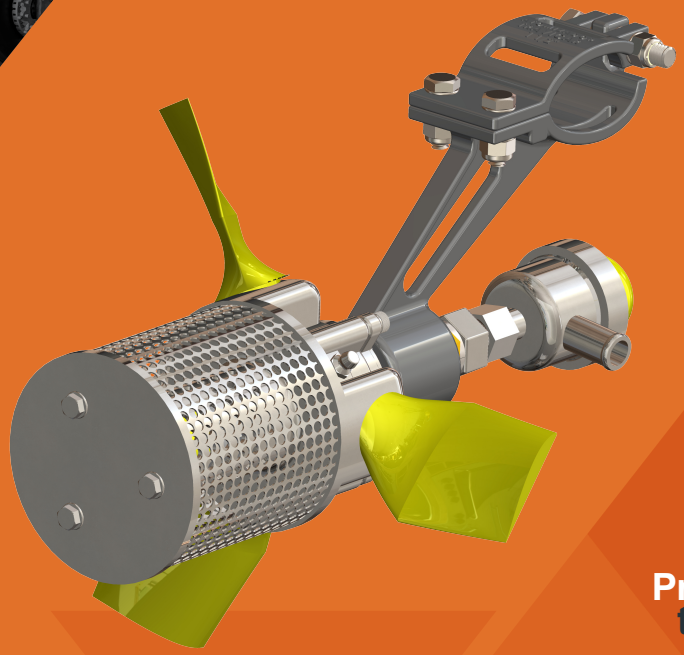
ATOMIZERS
MODEL 04165

ATOMIZER SERIES 04165 - 81 mm

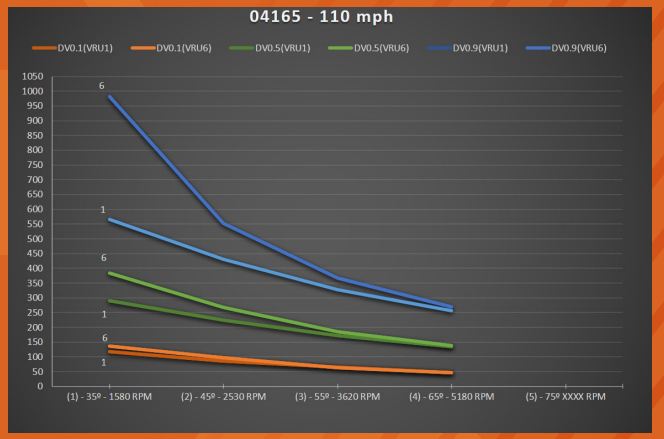


Product techniques Information

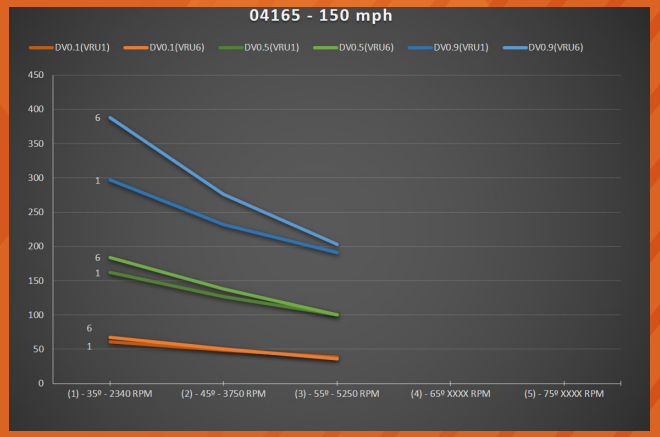
REFERENCE GRAPHS: ROTATION vs DROPLET DIAMETER - SERIES 04165

REFERENCE GRAPH FOR DROPLET SPECTRUM SELECTION

CESSNA - PIPER



AIR TRACTOR - THRUSH



TESTS CONDUCTED WITH 90 mm BLADES IN A WIND TUNNEL (AERIAL APPLICATION TECHNOLOGY RESEARCH: COLLEGE STATION, TEXAS)

PERFORATED SHEET
1.5 mm / 2.2 mm / 3 mm / 4 mm / 6.5 mm

MESH PERFORATED
Mesh 14
Mesh 6

FAN BLADE
50mm / 70mm / 90mm

BLADE ADJUSTMENT
(6) 0° - (5) 35° - (4) 45° - (3) 55° - (2) 65° - (1) 75°

ROTARY ATOMIZERS IN STAINLESS STEEL AND FULL STAINLESS STEEL

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ROTARY ATOMIZERS IN STAINLESS STEEL AND FULL STAINLESS STEEL

ATOMIZERS
MODEL 05165

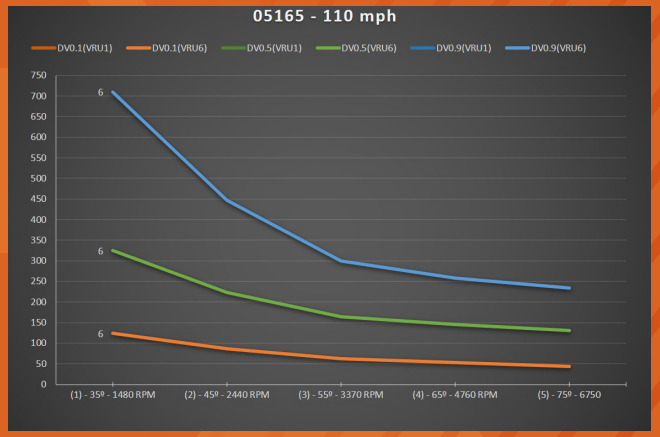
ATOMIZER SERIES 05165 - 98 mm

Product techniques Information

REFERENCE GRAPHS: ROTATION vs DROPLET DIAMETER - SERIES 05165

REFERENCE GRAPH FOR DROPLET SPECTRUM SELECTION

CESSNA - PIPER



AIR TRACTOR - THRUSH

TESTS CONDUCTED WITH 90 mm BLADES IN A WIND TUNNEL (AERIAL APPLICATION TECHNOLOGY RESEARCH: COLLEGE STATION, TEXAS)

PERFORATED SHEET
1.5mm / 2.2mm / 3mm / 4mm / 6.5mm

MESH PERFORATED
Mesh 14
Mesh 6

FAN BLADE
50mm / 70mm / 90mm

BLADE ADJUSTMENT
(6) 0° - (5) 35° - (4) 45° - (3) 55° - (2) 65° - (1) 75°

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ATOMIZERS
MODEL 06165

ROTARY ATOMIZERS IN STAINLESS STEEL AND FULL STAINLESS STEEL

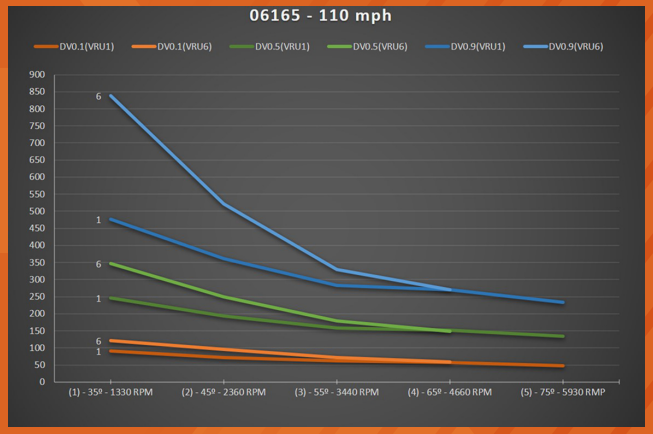
ATOMIZER SERIES 06165 - 81 mm D104

Product techniques Information

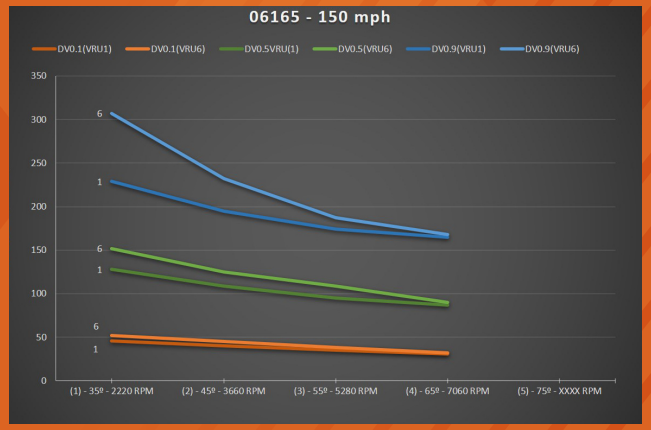
REFERENCE GRAPHS: ROTATION vs DROPLET DIAMETER - SERIES 06165

REFERENCE GRAPH FOR DROPLET SPECTRUM SELECTION

CESSNA - PIPER



AIR TRACTOR - THRUSH



TESTS CONDUCTED WITH 90 mm BLADES IN A WIND TUNNEL (AERIAL APPLICATION TECHNOLOGY RESEARCH: COLLEGE STATION, TEXAS)

PERFORATED SHEET
1.5mm / 2.2mm / 3mm / 4mm / 6.5mm

MESH PERFORATED
Mesh 14
Mesh 6

FAN BLADES
50mm / 70mm / 90mm

BLADE ADJUSTMENT
(6) 0° - (5) 35° - (4) 45° - (3) 55° - (2) 65° - (1) 75°

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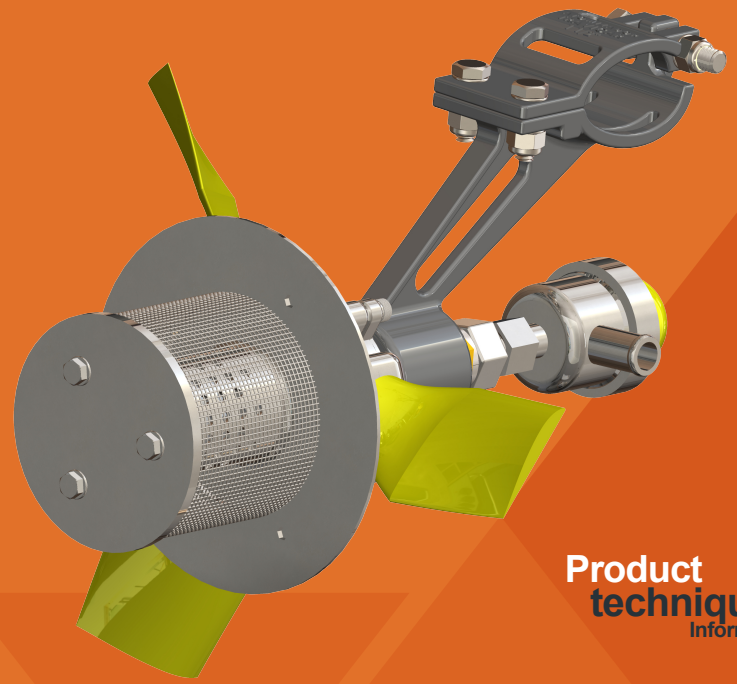
ROTARY ATOMIZERS IN STAINLESS STEEL AND FULL STAINLESS STEEL

ATOMIZERS
MODEL 07165

ATOMIZER SERIES 07165 - 75 mm D125



Product techniques Information

PERFORATED SHEET
1.5mm / 2.2mm / 3mm / 4mm / 6.5mm

MESH PERFORATED
Mesh 14
Mesh 6

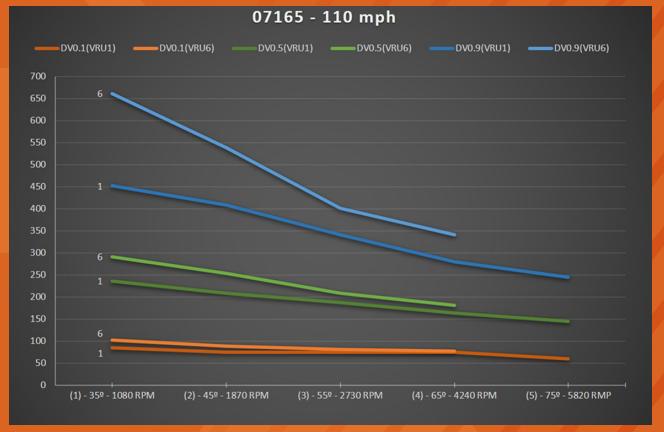
FAN BLADE
50mm / 70mm / 90mm

BLADE ADJUSTMENT
(6) 0° - (5) 35° - (4) 45° - (3) 55° - (2) 65° - (1) 75°

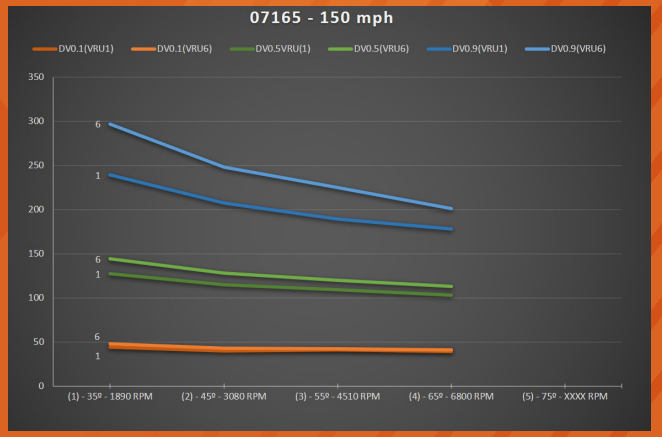
REFERENCE GRAPHS: ROTATION vs DROPLET DIAMETER - SERIES 07165

REFERENCE GRAPH FOR DROPLET SPECTRUM SELECTION

CESSNA - PIPER



AIR TRACTOR - THRUSH



TESTS CONDUCTED WITH 70 mm BLADES IN A WIND TUNNEL (AERIAL APPLICATION TECHNOLOGY RESEARCH: COLLEGE STATION, TEXAS)

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AIRCRAFT
AIR TRACTOR
402-502-602-802

AGRICULTURAL EQUIPMENT

AIR TRACTOR 402

STAINLESS STEEL

Pensacola - FL
+1 850 876-3860

29 SUPPLY PLATE (PN90184)

18 SUPPLY VALVE (D) 3" (PN90107/402/502/602/D)

13 AEROFOLIC BOOMS (PN01813R) (PN07064R OR 01817R-1/4) (PN01817R) (PN07065R OR 07065R-1/4)

FILTER Y RIGHT SUPPORT (PN90003-90109/P1 RIGHT) 20

SUPPLY TUBE 3" DOUBLE (PN05053 P1 E P2) 30

Y-STRAINER FIXING ROD (PN90003/H2) 11

17 Y-STRAINER SUPPORT LEFT (PN90003-90109/P1 LEFT)

BOOMS HANGERS (PN90004/LOW) (PN90004/HIGH) 21

FILTER Y RIGHT SUPPORT (PN90003/P2 402 RIGHT) 19

SUPPLY VALVE (E) 3" (PN90107/402/502/602/E) 15

3" SUPPLY TUBE (PN01816H7) 28

16 Y-STRAINER SUPPORT LEFT (PN90003/P2 402 LEFT)

11

10 Y FILTER FIXING ROD (PN90003/H1)

BUTTERFLY VALVE 32

1 GATE BOX AT 402/502 (PN90007)

10

3" SUPPLY TUBE (PN01819H7-90111H7) 6

29

9 SPRAY CONTROL ROD (PN90001)

PUMP SUPPORT WIND (PN90005/SUP) 24

ENTRY TUBE 3" + SHUTDOWN VALVE (PN01821H7)

QUICK HITCH HOSE 2" (PN85283NX) 12

25

12

12

8 FILTER Y 402 (PN01810/40) (PN01810/90)

31 SPRAY CONTROL TUBE - Y (PN90200)

7 SPRAY CONTROL VALVE (PN01115)

23

14

2 QUICK HITCH HOSE 3" 90° (PN01823NX)

26 ROD (PN90182)

PUMP SUPPORT WIND (PN90005/INF)

12

ENTRY TUBE 3" (PN01821H7) 3

22 PUMP CONNECTION TUBE BY PASS WITH FILTER (PN90180)

25 SUPPLY PLATE SPRAY CONTROL (PN90181)

27 ROD (PN90183)

4 SPRAY PUMP AT 402/502
(PN20808-XX-4P) - 8 BLADE
(PN20808-XX-6P) - 6 BLADE
(PN20808-XX-8P) - 4 BLADE

5 PUMP CONNECTION TUBE - SPRAY CONTROL (PN01822H7-90113H7)

INFORMATION

Stainless Steel System

Options for Tubes, Filters, and Booms with 1.5 mm or 2 mm wall thickness.

New Brake System for Wind-Driven Pump.

New Blade Model for Wind-Driven Pump with length up to 220 mm.

Wind-Driven Pump available in two rotor size options (Large and Small).

Wind-Driven Pump with options of 4, 6, or 8 blades.

Boom options in 1 1/2" or 2".

AIRCRAFT AIR TRACTOR 402 - 502 - 602 - 802

AGRICULTURAL EQUIPMENT

AIR TRACTOR 402

FLOW READER

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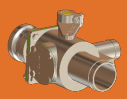
SPRAY CONTROL VALVE (PN01115) 1

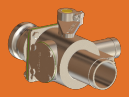


HOSE TUBE 45° (PN90213T) 6

FEMALE AIRCRAFT FLOWMETER (PN90198/TF) 8

FLOWMETER TUBE 2'' AT 402 M-T (1) (PN90214M) 10

SPRAY CONTROL VALVE (PN01115) 1

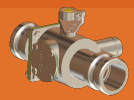


45° FEMALE HOSE COUPLING (PN01013NX) 4

MALE AIRCRAFT FLOWMETER (PN90198/MF) 9

FLOWMETER TUBE 2'' AT 402 M-T (1) (PN90214M) 10

SPRAY CONTROL VALVE (PN01115) 2



45° FEMALE HOSE COUPLING (PN01013NX) 4

MALE AIRCRAFT FLOWMETER (PN90198/TF) 8

SPRAY CONTROL VALVE (PN01115) 2

ADAPTER F-F 2''45° (PN90255) 7

MALE AIRCRAFT FLOWMETER (PN90198/MF) 9

FLOWMETER TUBE 2'' AT 402 M-T (1) (PN90214M) 10

FLOWMETER TUBE 2'' AT 402 M-T (1) (PN90214M) 10

CENTER BOOM 40°

INFORMATION

Stainless Steel System

Connection between pipes and valves can be done with Quick Hitch or hose option.

Can be adapted to FlowMeters and On/O ffValves from different manufacturers.

Tube Options, Filters with 0.05 in or 0.07 in thick wall.

AGRICULTURAL EQUIPMENT

AIR TRACTOR 402

FLOW READER

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SPRAY CONTROL VALVE
(PN01115)
1

SPRAY CONTROL VALVE
(PN01115)
2

FLOWMETER
FEMALE
(PN90198/FF)
6

FLOWMETER
AIRCRAFT DN40 TUBE
(PN90198-TF)
5

MALE HOSE COUPLING 2"
STAINLESS STEEL SHORT
(PN01003 - C)
7

FLOWMETER
TUBE 90°
(PN90212)
8

MALE HOSE COUPLING 2"
STAINLESS STEEL SHORT
(PN01003 - C)
7

FLOWMETER
TUBE 90°
(PN90212)
8

CENTER BOOM 90°
(PN01810-90)
4

INFORMATION

Stainless Steel System

Connection between pipes and valves can be done using quick hitch or hose option.

Can be adapted to FlowMetersand On/Off Valves from different manufacturers.

Tube options, Filters with 0.05 in or 0.07 in thick walls.

AGRICULTURAL EQUIPMENT

AIR TRACTOR 402

FLOW READER

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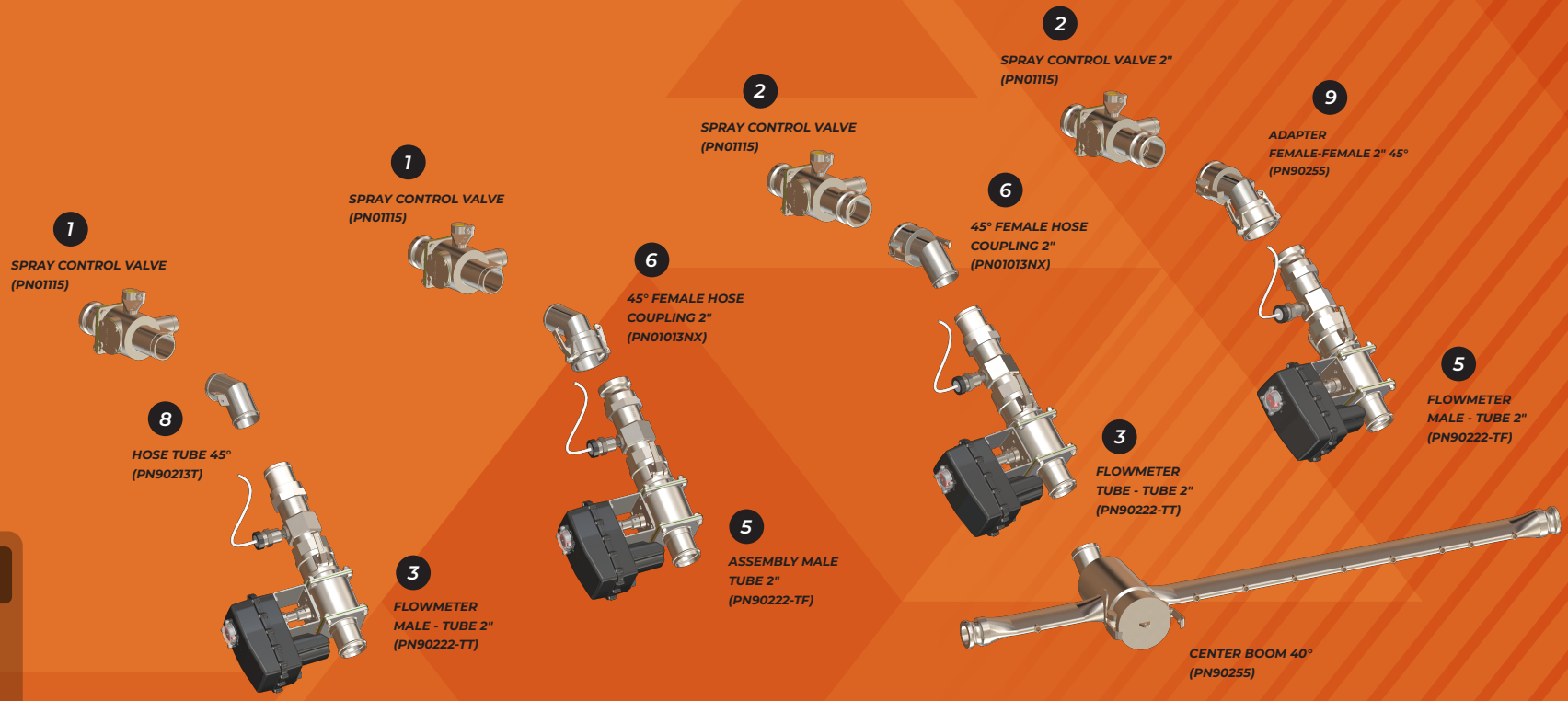

INFORMATION

Stainless Steel System

Connection between pipes and valves can be done using Quick Hitch or hose option.

Can be adapted to FlowMeters and On/Off Valves from different manufacturers.

Tube options, Filters with 0.05 in or 0.07 in thick walls.

AGRICULTURAL EQUIPMENT

AIR TRACTOR 402

FLOW READER

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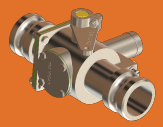
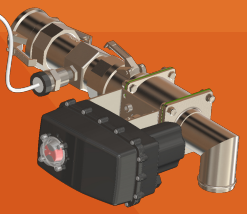
1 SPRAY CONTROL VALVE (PN01115-MM)

2 SPRAY CONTROL VALVE (PN01115-MT)

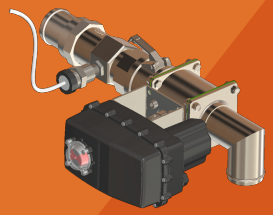


FEMALE 2"

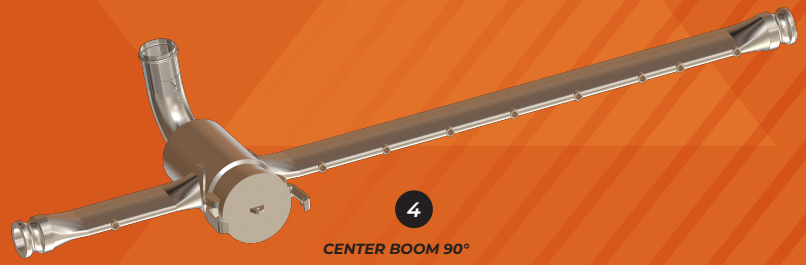


6 TUBE 2" 90° (PN90222-FT90)

MALE



5 TUBE 2" 90° (PN90222-TT90)



4 CENTER BOOM 90° (PN01810-90)

INFORMATION

Stainless Steel System

Connection between pipes and valves can be done using Quick Hitch or hose option.

Can be adapted to FlowMeters and On/Off Valves from different manufacturers.

Tube options, Filters with 0.05 in or 0.07 in thick walls.

AGRICULTURAL EQUIPMENT

AIR TRACTOR 402

FLOWMETER AND ON/OFF VALVE

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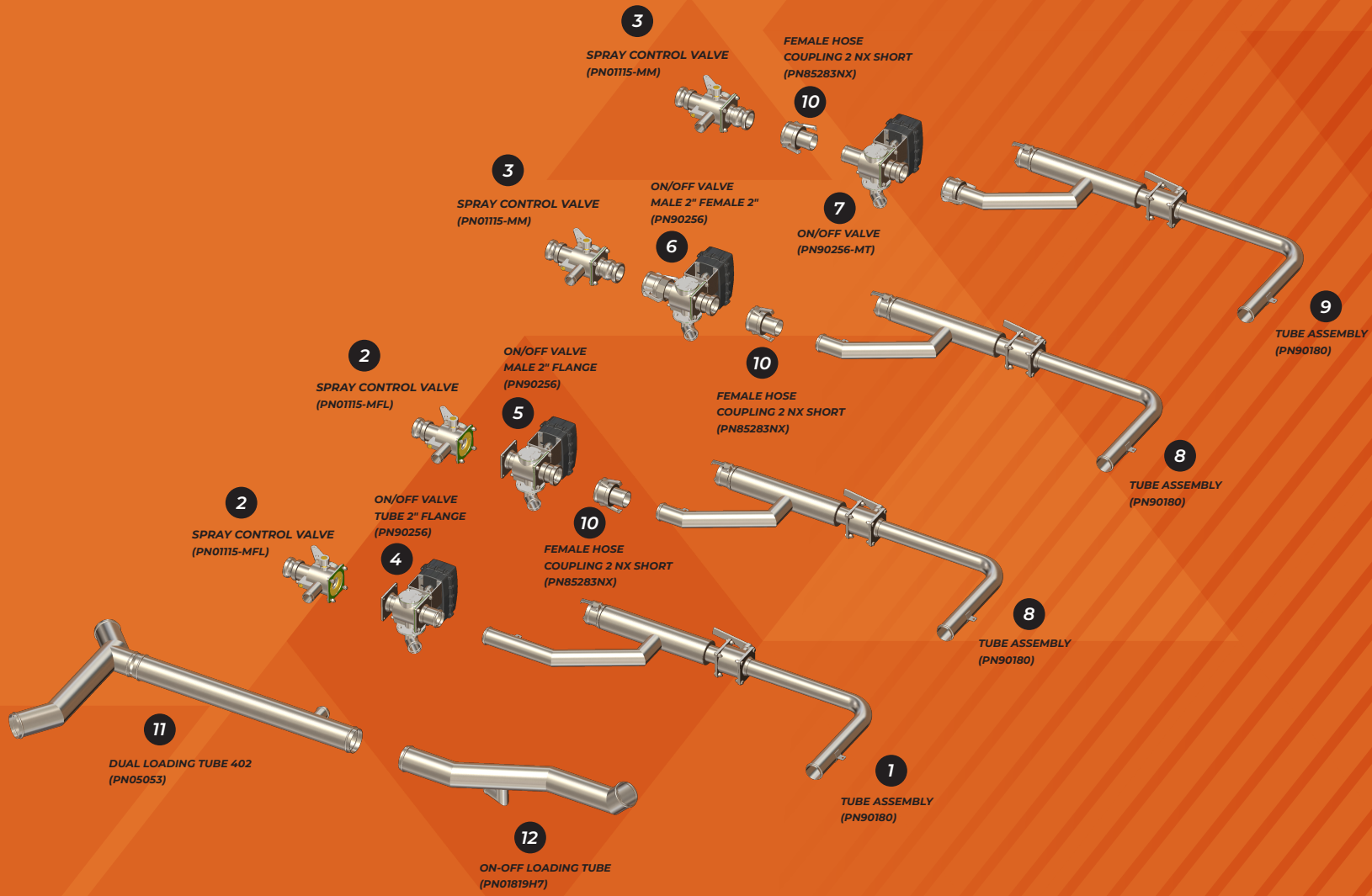

INFORMATION

Stainless Steel System

Connection between pipes and valves can be done using Quick Hitch or hose option.

Can be adapted to FlowMeters and On/Off Valves from different manufacturers.

Tube options, Filters with 0.05 in or 0.07 in thick walls.

AGRICULTURAL EQUIPMENT

AIR TRACTOR 502

FLOW READER

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22 SUPPLY VALVE (D) 3" (PN90107/402/502/602/D)

15 AEROFOLIC BOOMS (PN01813R) (PN07064R OR 01817R-1/4) (PN01817R) (PN07065R OR 07065R-1/4)

FILTER Y RIGHT SUPPORT (PN90003-90109/P1 RIGHT) 24

SUPPLY TUBE 3" DOUBLE (PN90119) 21

Y STRAINER FIXING ROD (PN90109/H2) 11

Y STRAINER SUPPORT LEFT (PN90003-90109/P1 LEFT) 17

Y STRAINER FIXING ROD (PN90003/H1) 12

FILTER Y RIGHT SUPPORT (PN90109/P2 502 RIGHT) 23

BOOMS HANGER (PN90115/LOW) (PN90115/HIGH) 25

3" LOADING TUBE (PN90110H7) 8

17 SUPPLY VALVE (E) 3" (PN90107/402/502/602/E)

18 Y STRAINER SUPPORT LEFT (PN90003/P2 502 LEFT)

11

BUTTERFLY VALVE 32

1 GATE BOX AT 402/502 (PN90007)

12

11 SPRAY CONTROL ROD (PN90114/90019)

3" LOADING TUBE (PN01819H7-90111H7) 7

10 CENTER BOOM 502 (PN90108/40) (PN90108/90)

SPRAY PUMP SUPPORT (PN90005/SUP) 28

6 20 SPRAY CONTROL TUBE - Y (PN90201) 6

29 9 SPRAY CONTROL VALVE (PN01115)

ENTRY TUBE 3" + SHUTDOWN VALVE (PN90117-VALV) 16

QUICK HITCH HOSE 2" (PN85283NX) 6

27 SPRAY PUMP SUPPORT (PN90005/INF)

2 QUICK HITCH HOSE 3" 90° (PN01823NX)

30 ROD (PN90182)

6 3 ENTRY TUBE 3" (PN90117)

26 PUMP CONNECTION TUBE SPRAY CONTROL WITH FILTER (PN90180)

29 SUPPLY PLATE SPRAY CONTROL (PN90181)

4 SPRAY PUMP AT 402/502 (PN20808-XX-4P) - 8 BLADE (PN20808-XX-6P) - 6 BLADE (PN20808-XX-8P) - 4 BLADE

31 ROD (PN90183)

5 PUMP CONNECTION TUBE - SPRAY CONTROL (PN01822H7-90113H7)

INFORMATION

Stainless Steel System

Options for Tubes, Filters and Booms with 0.05 in or 0.07 in thick wall.

New Brake System for Wind Pump.

New Blade Model for Wind Pump with length up to 8.66 in.

Wind pump in two size options of Rotor (Large and Small).

Wind pump with options of 4, 6 or 8 blades

Booms Options in 1 1/2" or 2".

AIRCRAFT AIR TRACTOR 402 - 502 - 602 - 802

AGRICULTURAL EQUIPMENT

AIR TRACTOR 502

FLOW READER

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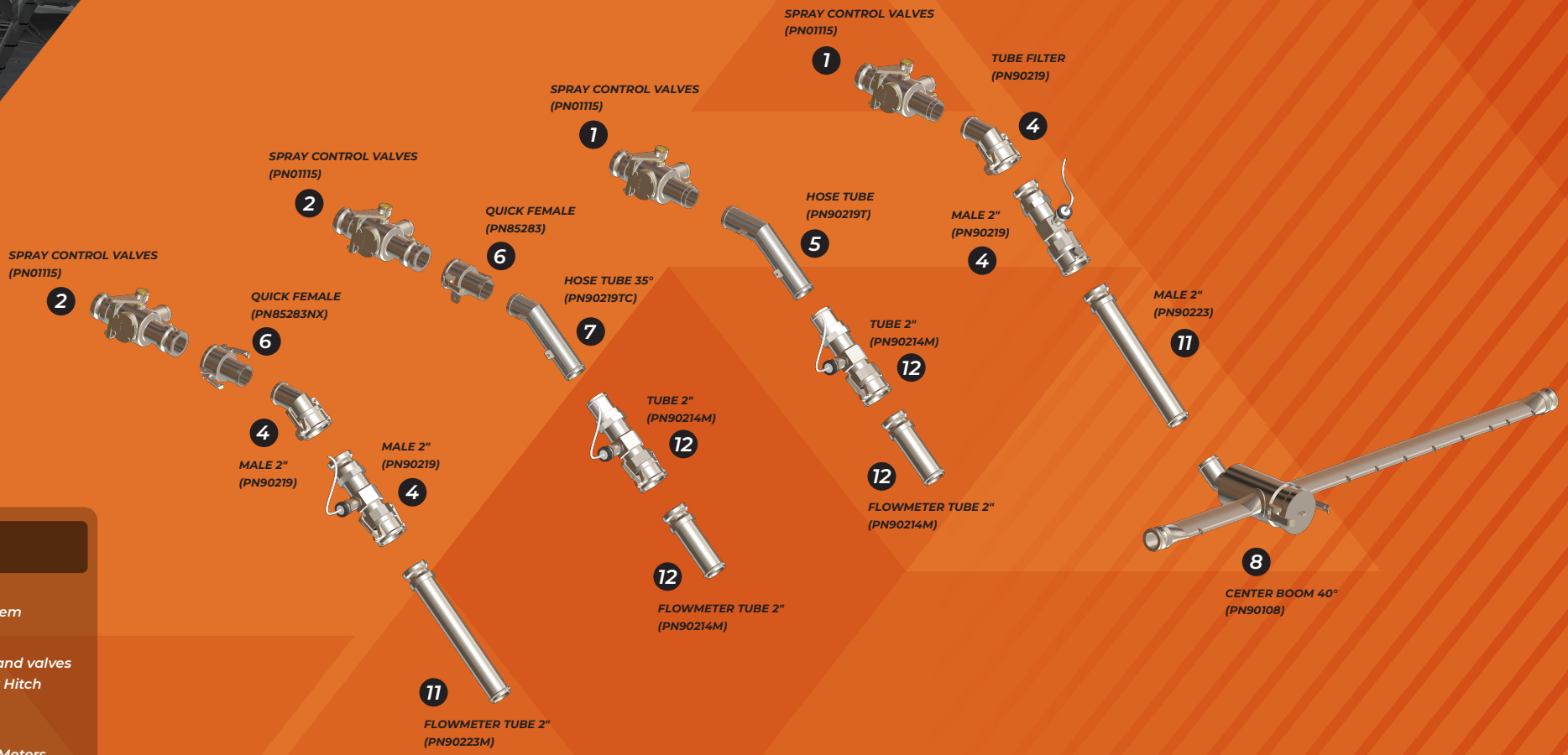

INFORMATION

Stainless Steel System

Connection between pipes and valves can be done with Quick Hitch or hose option.

Can be adapted to FlowMeters and On/O ffValves from different manufacturers.

Tube Options, Filters with 0.05 in or 0.07 in thick wall.

AGRICULTURAL EQUIPMENT

AIR TRACTOR 502

FLOW READER

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2 SPRAY CONTROL VALVE MALE-MALE (PN01115-MM)

4 SPRAY CONTROL VALVE MALE-MALE (PN90223)

9 MALE (PN90219)

6 SPRAY CONTROL VALVE MALE-MALE (PN01115)

5 TUBE (2) 90° (PN01115)

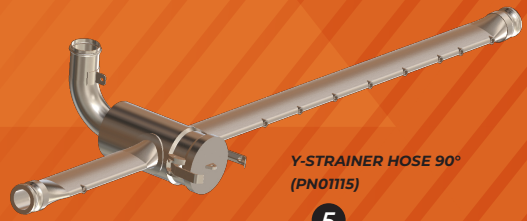
1 SPRAY CONTROL VALVE MALE-HOSE (PN01115-MT)

4 TUBE (2) 90° (PN01115)

9 MALE (PN90219)

6 MALE HOSE COUPLING (PN01003)

5 TUBE (2) 90° (PN01115)



5 Y-STRAINER HOSE 90° (PN01115)

INFORMATION

Stainless Steel System

Connection between pipes and valves can be done with Quick Hitch or hose option.

Can be adapted to FlowMeters and On/O ffValves from different manufacturers.

Tube Options, Filters with 0.05 in or 0.07 in thick wall.

AIRCRAFT AIR TRACTOR 402 - 502 - 602 - 802

AGRICULTURAL EQUIPMENT

AIR TRACTOR 502

FLOW READER

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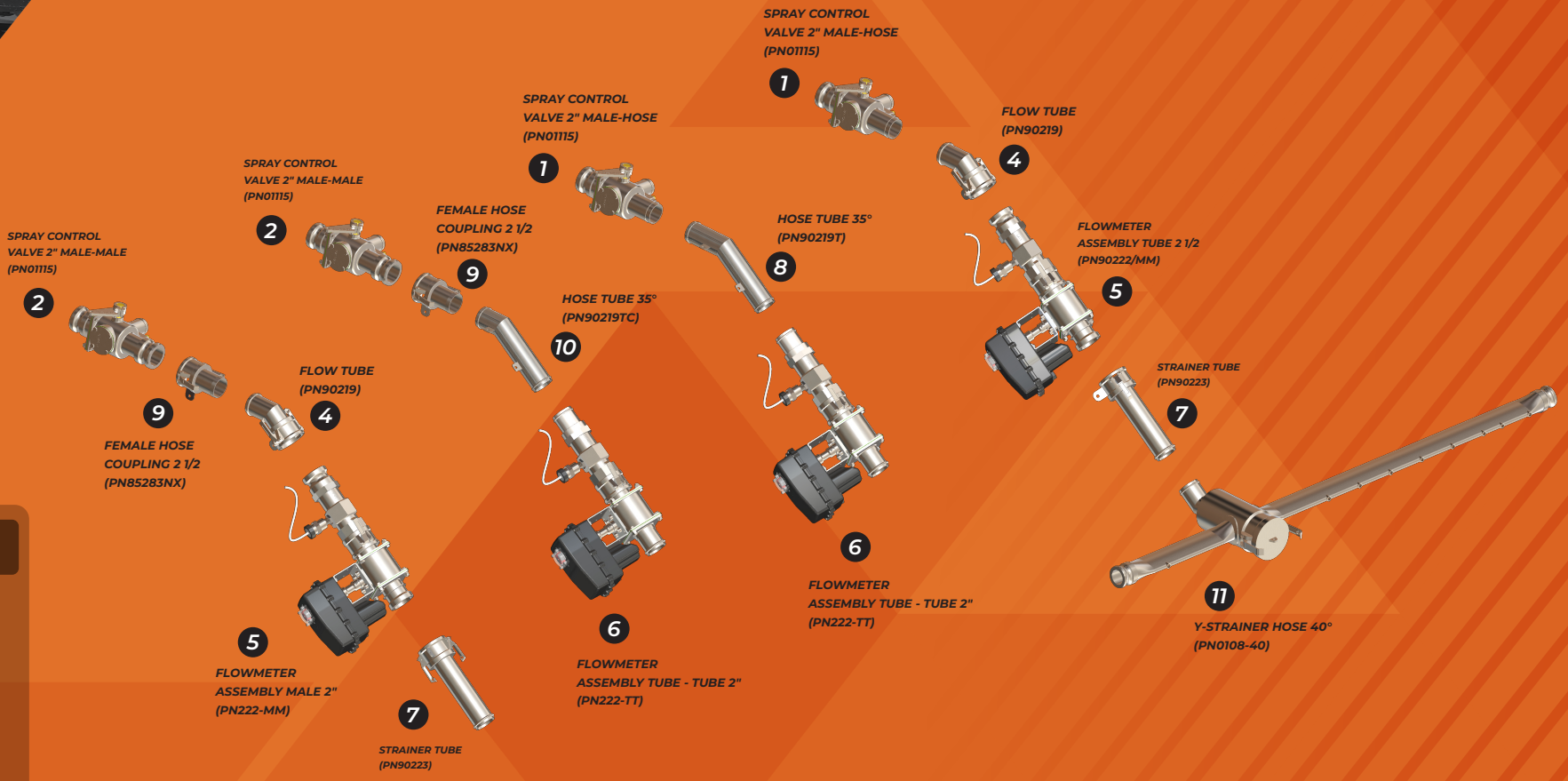

INFORMATION

Stainless Steel System

Connection between pipes and valves can be done using quick hitch or hose option.

Can be adapted to FlowMetersand On/Off Valves from different manufacturers.

Tube options, Filters with 0.05 in or 0.07 in thick walls.

AGRICULTURAL EQUIPMENT
AIR TRACTOR 502
FLOW READER

Pensacola - FL
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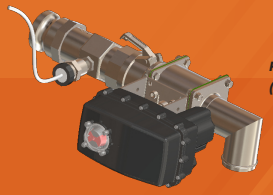
SPRAY CONTROL VALVE 2"
(PN01115)
1

2
SPRAY CONTROL VALVE 2"
(PN01115)

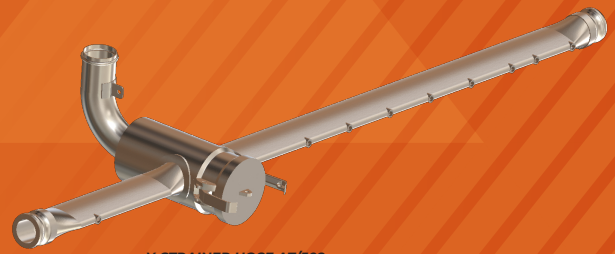
6
STRAINER TUBE
(PN90223)

6
STRAINER TUBE
(PN90223)



FLOWMETER ASSEMBLY
(PN90222)
5

FLOWMETER ASSEMBLY
(PN90222)
4



Y-STRAINER HOSE AT/502
(PN01115)
1

INFORMATION

Stainless Steel System

Connection between pipes and valves can be done using quick hitch or hose option.

Can be adapted to FlowMetersand On/Off Valves from different manufacturers.

Tube options, Filters with 0.05 in or 0.07 in thick walls.

AIRCRAFT AIR TRACTOR 402 - 502 - 602 - 802

AGRICULTURAL EQUIPMENT

AIR TRACTOR 502

FLOWMETER AND ON/OFF VALVE

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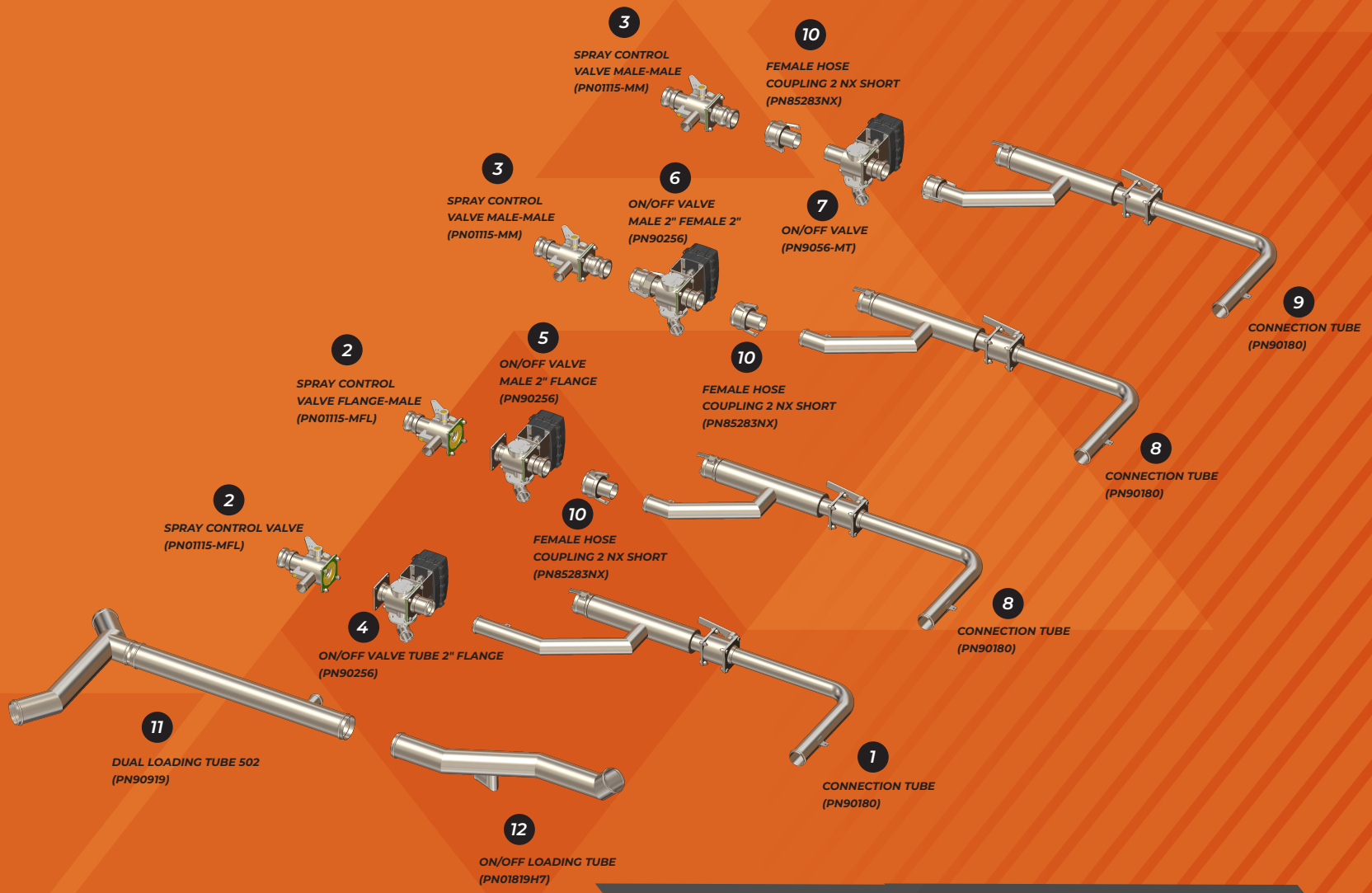

INFORMATION

Stainless Steel System.

Connection between pipes and valves can be made with quick couplings or hose option.

It can be adapted to flowmeters and on/off valves from different manufacturers.

Options for pipes and filters with 1.5mm or 2mm wall thickness.

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AGRICULTURAL EQUIPMENT
AIR TRACTOR 602
STAINLESS STEEL

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7 AEROFOLIC BOOMS (PN05615R) (PN05617R OR 05617R-1/4) (PN05619R) (PN05620R OR 05620R-1/4)

22 BOOMS HANGER (PN90115/LOW) (PN90115/HIGH)

10 FILTER Y RIGHT SUPPORT (PN90109/P1/RIGHT)

9 FILTER Y RIGHT SUPPORT (PN90109/P2 RIGHT)

19 SUPPLY VALVE (D) 3" (PN90107/402/502/602/D)

20 SUPPLY TUBE 3" DOUBLE (PN05623/DOUBLE)

14 Y FILTER FIXING ROD (PN90109/H2)

11 Y FILTER SUPPORT LEFT (PN90003-90109/P1 LEFT)

13 Y FILTER FIXING ROD (PN90109/H1)

12 Y FILTER SUPPORT LEFT (PN90109/P2 602 LEFT)

8 BY PASS ROD (PN90114)

17 SUPPLY VALVE (E) 3" (PN90107/402/502/602/E)

1 GATE BOX AT 602/802 (PN90043)

16 3" SUPPLY TUBE (PN05623/UNIC)

18 SUPPORT PLATE BYPASS (PN90181)

6 FILTER Y 602 (PN90223/25) (PN90223/90)

21 BY PASS TUBE - Y (PN90189)

4 (×4)

5 BY PASS VALVE (PN90015)

24 PUMP SUPPORT WIND (PN90005/UPPER)

30 BUTTERFLY VALVE

28 SHUT-OFF VALVE (PN05611)

23 PUMP SUPPORT WIND (PN90005/LOWER)

29 OUTLET FLANGE (PN90046/602-802)

2 QUICK CONNECT HOSE 3" (PN01514NX)

4 QUICK COUPLING 2 1/2" HOSE (PN85284NX)

3 WIND PUMP AT 402/502
(PN20809 - X -XX-6P) - 6 BLADE
(PN20809- X -XX-4P) - 4 BLADE

25 ROD (PN90183)

15 PUMP TO SPRAY VALVE TUBE (PN90188H7)

26 ROD (PN90182)

27 PUMP TO SPRAY VALVE TUBE W/ STRAINER (Pn90190)

INFORMATION

- Stainless Steel System
- Options for Tubes, Filters and Booms with 0.05 in or 0.07 in thick wall.
- New Brake System for Wind Pump.
- New Blade Model for Wind Pump with length up to 8.66 in.
- Wind pump in two size options of Rotor (Large and Small).
- Wind pump with options of 4, 6 or 8 blades
- Booms Options in 1 1/2" or 2".

AIRCRAFT AIR TRACTOR 402 - 502 - 602 - 802

AGRICULTURAL EQUIPMENT

AIR TRACTOR 602

FLOW READER

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FEMALE HOSE COUPLING 2 1/2 (PN85284NX) 1

STAINLESS STEEL LOADING TUBE AT/602 (PN05623) 3

SPRAY CONTROL VALVE 2 1/2" AT/602 (PN90015) 5

FEMALE HOSE COUPLING 2 1/2 (PN85284NX) 1

FEMALE HOSE COUPLING 2 1/2 (PN85284NX) 1

SPRAY CONTROL VALVE 2 1/2" AT/602 (PN90015) 5

3" STAINLESS STEEL LOADING TUBE AT/602 (PN90223) 3

FEMALE HOSE COUPLING 2 1/2 (PN85284NX) 1

FLOW TUBE (PN90204) 9

FLOWMETER TUBE (PN90207) 10

4 SPRAY VALVE CONNECTION TUBE (PN90189)

ON/OFF VALVE TUBE (PN90209) 6

SPRAY CONTROL VALVE 2 1/2 (PN90015) 5

FLOW TUBE (PN90204) 9

MALE COUPLING TUBE (PN90205) 11

FLOWMETER ASSEMBLY MALE TUBE 2 1/2 (PN90207) 8

2 Y-STRAINER AT/602 (PN90223/40)

SPRAY CONTROL VALVE 2 1/2 (PN90256) 7

FEMALE HOSE COUPLING 2 1/2 (PN85284NX) 1

FLOWMETER ASSEMBLY TUBE 2 1/2 (PN90207) 8

2 Y-STRAINER AT/602 (PN90223/40)

INFORMATION

Stainless Steel System

Connection between pipes and valves can be done with Quick Hitch or hose option.

Can be adapted to FlowMeters and On/O ffValves from different manufacturers.

Tube Options, Filters with 0.05 in or 0.07 in thick wall.

AGRICULTURAL EQUIPMENT

AIR TRACTOR 602

FLOW READER

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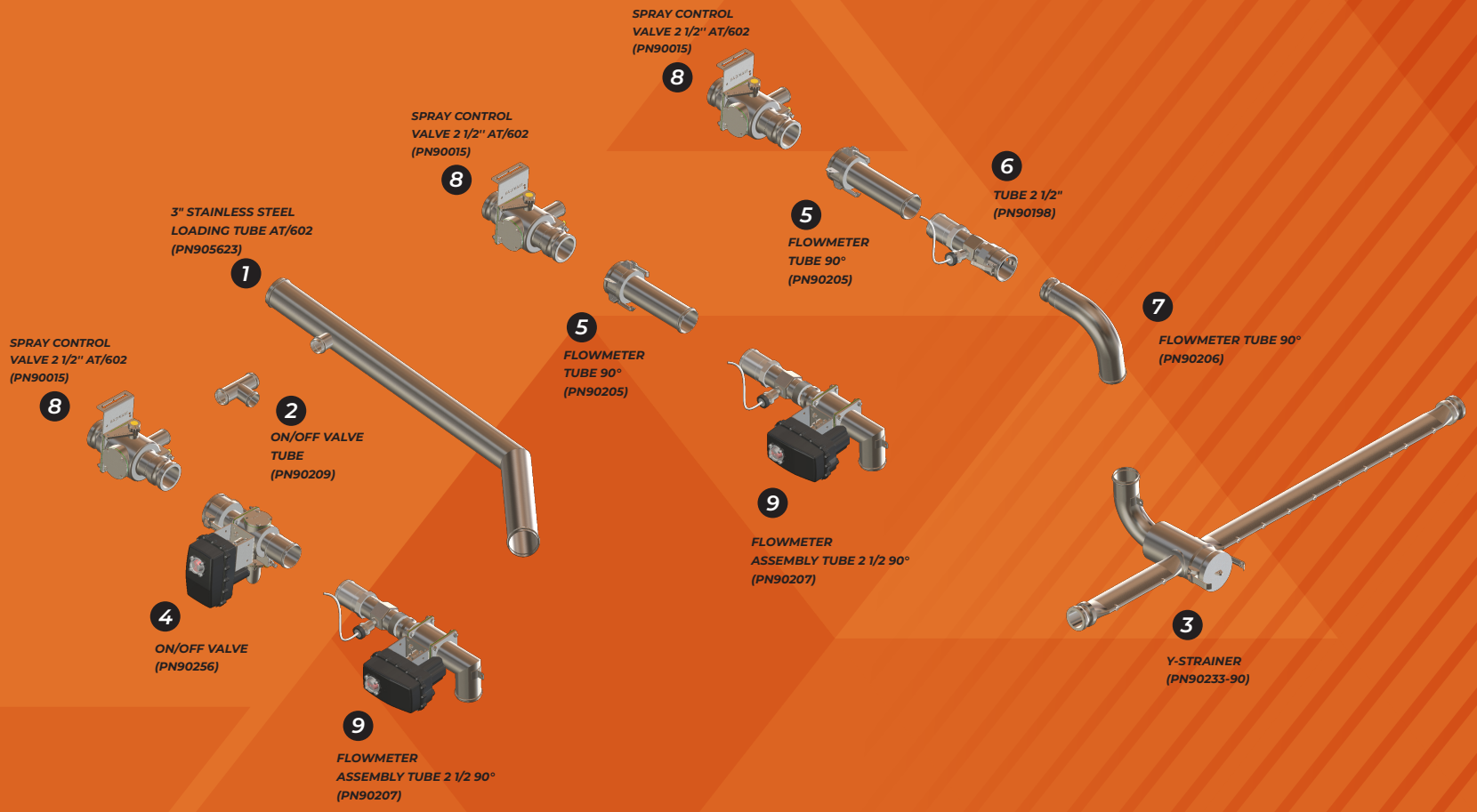

INFORMATION

Stainless Steel System

Connection between pipes and valves can be made with quick couplings or hose option.

It can be adapted to FlowMeters and On/Off Valves from different manufacturers.

Pipe Options, Filters with a wall thickness of 1.5mm or 2mm.

AIRCRAFT AIR TRACTOR 402 - 502 - 602 - 802

AIRCRAFT AIR TRACTOR 402 - 502 - 602 - 802

AGRICULTURAL EQUIPMENT

AIR TRACTOR 802

STAINLESS STEEL

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12 SUPPLY VALVE (D) 3" (PN90107-802-D)

SUPPLY TUBE 3 DOUBLE (PN005054) 13

SUPPLY VALVE (E) 3" (PN90107-802-E) 11

14 AEROFOLIC BOOMS (PNXXXXXR) (PNXXXXXR OR XXXXXR-1/4) (PNXXXXXR) (PNXXXXXR OR XXXXXR-1/4)

FILTER Y RIGHT SUPPORT (PN90009/P1) 18

21

FILTER Y RIGHT SUPPORT (PN90009/P2 RIGHT) 17

7 SUPPLY PIPE 3" (PN90010H7)

18

21 Y FILTER FIXING ROD (PN90009/H2)

BOOMS HANGER (Pn90018) 15

20

16 BY PASS ROD (PN90114)

BUTTERFLY VALVE 31

GATE BOX AT 602/802 (PN90043) 1

SUPPLY PIPE 3" (PN90011H7) 6

FILTER Y 802 (PN90016/40) (PN90016/90) 10

PUMP SUPPORT WIND (PN90005/UPPER) 26

SHUTOFF VALVE (PN05611) 29

SUPPORT PLATE BYPASS (PN90181) 24

Y FILTER FIXING ROD (PN90009/H1) 20

19

Y FILTER SUPPORT LEFT (PN90009/P2 LEFT)

PUMP SUPPORT WIND (PN90005/LOWER) 25

5 8 5 BYPASS VALVE (PN90015)

9 5 BYPASS TUBE - Y (PN90191)

2 3 30 OUTLET FLANGE (PN90046/602-802)

QUICK CONNECT 3" HOSE (PN01514NX)

27 ROD (Pn90182)

5 QUICK COUPLING 2 1/2" HOSE (PN85284NX)

28 ROD (PN90183)

22 PUMP TO SPRAY VALVE TUBE (PN90014H7)

23 PUMP TO SPRAY VALVE TUBE W/ STRAINER (PN90014H7/-802-VALV)

4 SPRAY PUMP AT 402/502 (PN20809 - X -XX-6P) - 6 BLADE (PN20809- X -XX-4P) - 4 BLADE

2 3" INLET TUBE (PN90012H7

INFORMATION

Stainless Steel System

Options of Tubes, Filters, and Bars with a wall thickness of 1.5mm or 2mm.

New Brake System for Wind Pump.

New Wind Pump Blade Model with length up to 220mm.

Wind Pump in two rotor size options (Large and Small).

Wind Pump with options of 4, 6, or 8 blades.

Bar Options in 1 1/2" or 2".

AGRICULTURAL EQUIPMENT

AIR TRACTOR 802

FLOWMETER AND ON/OFF VALVE

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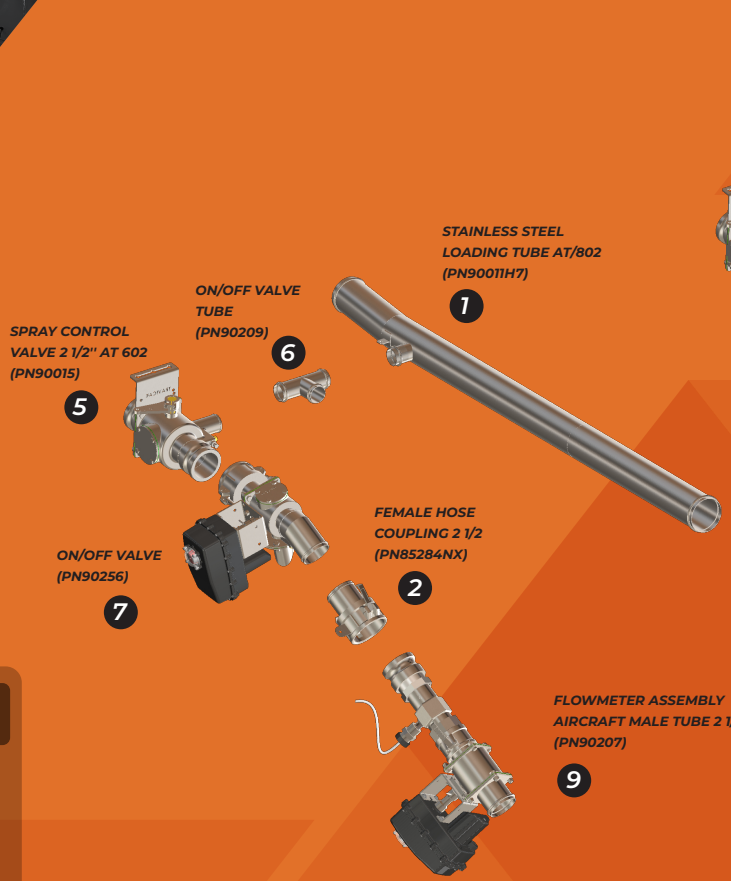

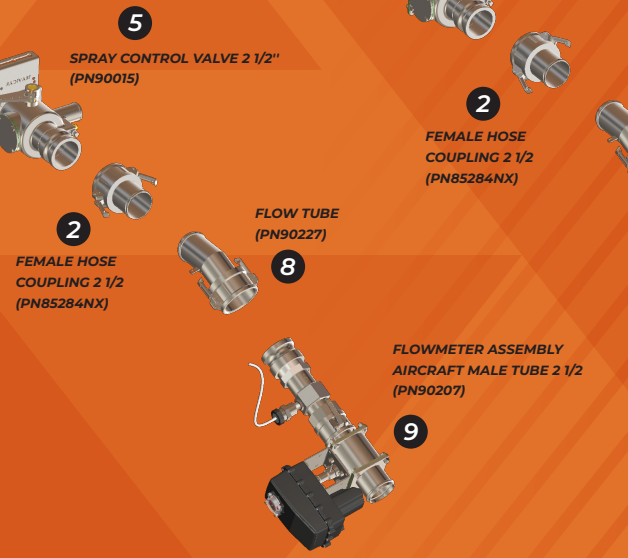

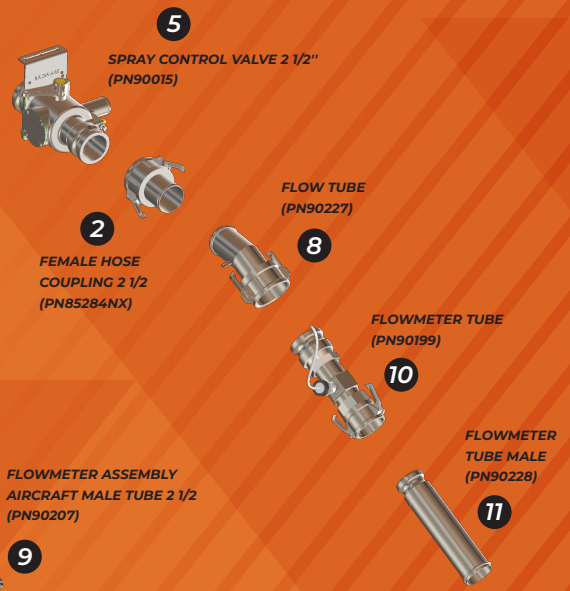

INFORMATION

Stainless Steel System

Connection between pipes and valves can be done with Quick Hitch or hose option.

Can be adapted to FlowMeters and On/O ffValves from different manufacturers.

Tube Options, Filters with 0.05 in or 0.07 in thick wall.

AIRCRAFT AIR TRACTOR 402 - 502 - 602 - 802

AGRICULTURAL EQUIPMENT

AIR TRACTOR 802

FLOWMETER AND ON/OFF VALVE

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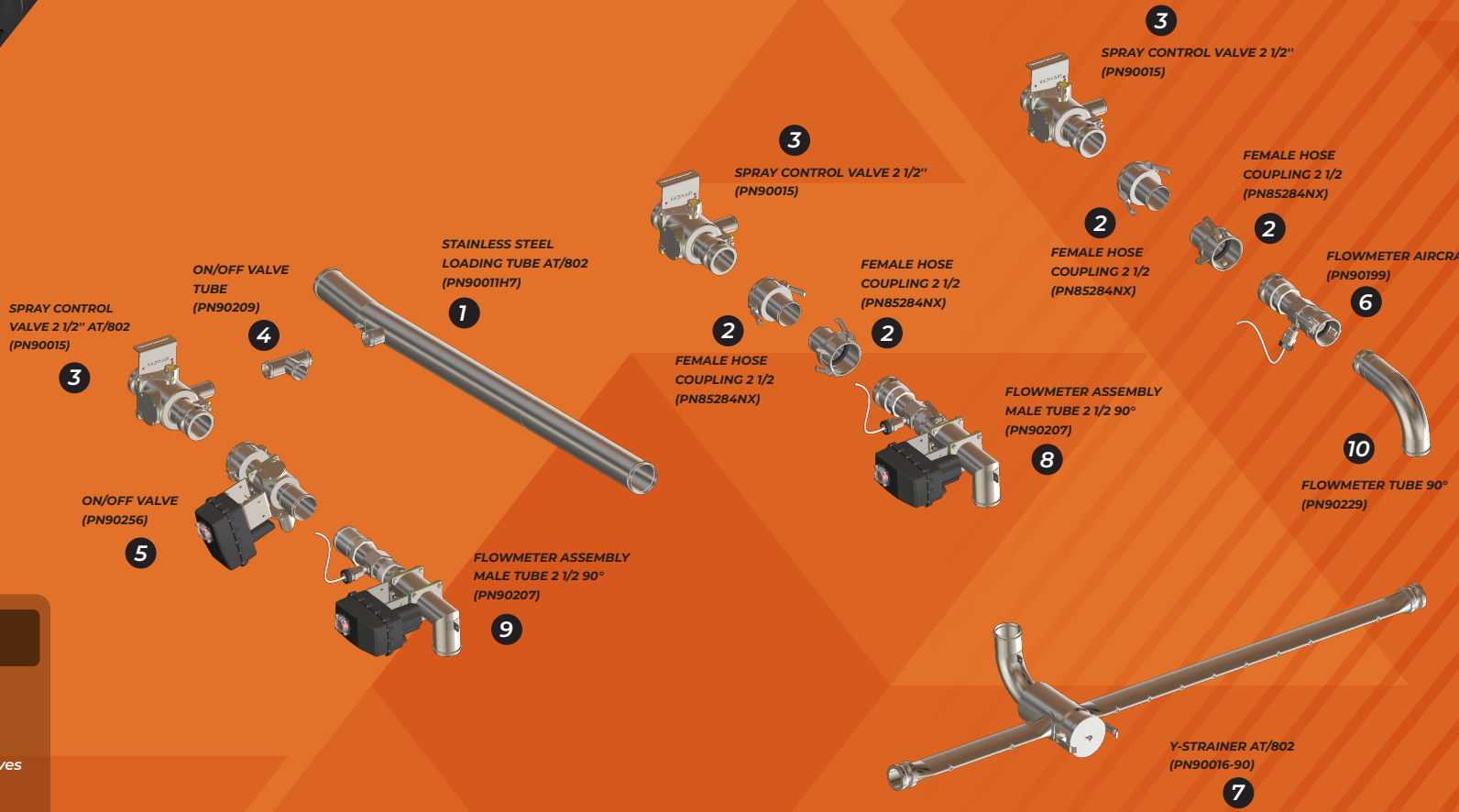

INFORMATION

Stainless Steel System

Connection between pipes and valves can be made with Quick Couplings or a Hose option.

It can be adapted to FlowMeters and On/Off Valves from different manufacturers.

Pipe Options, Filters with a wall thickness of 1.5mm or 2mm.

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SPRAY PUMP

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AIR TRACTOR
SPRAY PUMP

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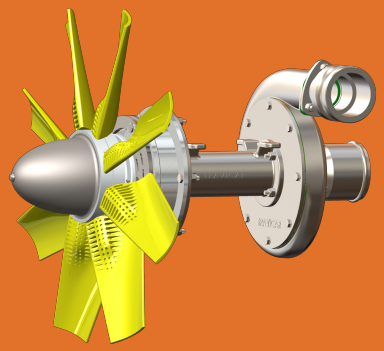
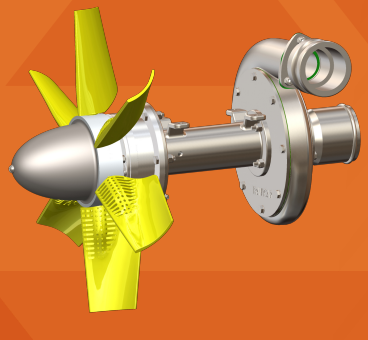
AIRCRAFT AIR TRACTOR 402 - 502 - 602 - 802

SPRAY PUMP MODELS



1

BIG SPRAY PUMP - 165MM ROTOR
AT402(PN20808G-XX-8P) - 8 STANDARD 147MM BLADES
AT502(PN20808G-XX-8P) - 8 STANDARD 147MM BLADES
AT602(PN20809G-XX-8P) - 8 STANDARD 147MM BLADES
AT802(PN20809G-XX-8P) - 8 STANDARD 147MM BLADES



2

BIG SPRAY PUMP - 165MM ROTOR
AT402(PN20808G-XX-6P) - 6 BLADES PERFORMANCE 140MM
AT502(PN20808G-XX-6P) - 6 BLADES PERFORMANCE 140MM
AT602(PN20809G-XX-6P) - 6 BLADES PERFORMANCE 140MM
AT802(PN20809G-XX-6P) - 6 BLADES PERFORMANCE 140MM

3

BIG SPRAY PUMP - 165MM ROTOR
AT402(PN20808G-XX-4P) - 4 PERFORMANCE BLADES 165MM
AT502(PN20808G-XX-4P) - 4 PERFORMANCE BLADES 165MM
AT602(PN20809G-XX-4P) - 4 PERFORMANCE BLADES 165MM
AT802(PN20809G-XX-4P) - 4 PERFORMANCE BLADES 165MM

Mechanical Seal with options in Tungsten, Graphite, or Silicon.

INFORMATION

Stainless steel system.

New square shaft system.

New reinforced braking system.

New blade design available in three sizes.

Hub with options for 4, 6, or 8 blades.

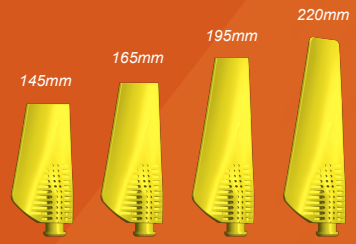
Ready for use with the TRAVICAR DGPS automatic opening and closing system.

BRAKE SYSTEM

SQUARE AXIS

STRONGER BRAKE

BLADES OPTIONS



STANDARD BLADE

PERFORMANCE BLADE

CUBES OPTIONS

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BOOMS

AGRICULTURAL EQUIPMENT
AIR TRACTOR
AEROFOLIC BAR

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AEROFOLIC BOOM TIP MODELS

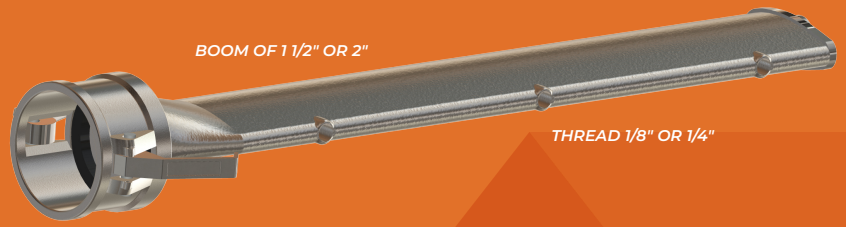
AEROFOLIC BOOMS- AT402
AT402(PN01813M) - 1 1/2" NOZZLE
AT402(PN07064M-1/8) - 1 1/2" ROTARY
AT402(PN07064M-1/4) - 1 1/2" ROTARY
AT402(PN01817M) - 2" NOZZLE
AT402(PN07065M-1/8) - 2" ROTARY
AT402(PN07065M-1/4) - 2" ROTARY

AEROFOLIC BOOMS - AT502
AT502(PN01813M) - 1 1/2" TIP
AT502(PN07064M-1/8) - 1 1/2" ROTATING
AT502(PN07064M-1/4) - 1 1/2" ROTATING
AT502(PN01817M) - 2" TIP
AT502(PN07065M-1/8) - 2" ROTATING
AT502(PN07065M-1/4) - 2" ROTATING

AEROFOLIC BOOMS - AT602
AT602(PN05615M) - 1 1/2" TIP
AT602(PN05617M - 1/8) - 1 1/2" ROTARY
AT602(PN05617M-1/4) - 1 1/2" ROTARY
AT602(PN05619M) - 2" TIP
AT602(PN05620M-1/8) - 2" ROTARY
AT602(PN05620M-1/4) - 2" ROTARY

AEROFOLIC BOOMS - AT 802
AT802(PN90192M) - 1 1/2" NOZZLE
AT802(PN05173M-1/8) - 1 1/2" ROTARY
AT802(PN05173M-1/4) - 1 1/2" ROTARY
AT802(PN90017M) - 2" NOZZLE
AT802(PN05405M-1/8) - 2" ROTARY
AT802(PN05405M-1/4) - 2" ROTARY

1



HITCH FEMALE 1 1/2"

4

STAINLESS STEEL BOOM CAMLOCK
(PN01669) - 1 1/4" and 1 1/2" BAR

HITCH FEMALE 1 1/2"

2

AEROFOLIC BOOMS - AT402
AT402(PN01813M) - 1 1/2" NOZZLE
AT402(PN07064M-1/8) - 1 1/2" ROTARY
AT402(PN07064M-1/4) - 1 1/2" ROTARY
AT402(PN01817M) - 2" NOZZLE
AT402(PN07065M-1/8) - 2" ROTARY
AT402(PN07065M-1/4) - 2" ROTARY

AEROFOLIC BOOMS - AT502
AT502(PN01813M) - 1 1/2" TIP
AT502(PN07064M-1/8) - 1 1/2" ROTATING
AT502(PN07064M-1/4) - 1 1/2" ROTATING
AT502(PN01817M) - 2" TIP
AT502(PN07065M-1/8) - 2" ROTATING
AT502(PN07065M-1/4) - 2" ROTATING

AEROFOLIC BOOMS - AT602
AT602(PN05615M) - 1 1/2" NOZZLE
AT602(PN05617M - 1/8) - 1 1/2" ROTARY
AT602(PN05617M-1/4) - 1 1/2" ROTARY
AT602(PN05619M) - 2" NOZZLE
AT602(PN05620M-1/8) - 2" ROTARY
AT602(PN05620M-1/4) - 2" ROTARY

AEROFOLIC BOOMS - AT 802
AT802(PN90192M) - 1 1/2" NOZZLE
AT802(PN05173M-1/8) - 1 1/2" ROTARY
AT802(PN05173M-1/4) - 1 1/2" ROTARY
AT802(PN90017M) - 2" NOZZLE
AT802(PN05405M-1/8) - 2" ROTARY
AT802(PN05405M-1/4) - 2" ROTARY

INFORMATION

Stainless Steel System.

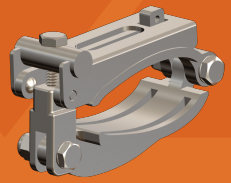
Fully configurable to the aircraft's needs.

Quick couplings for attachment to the Y Filter.

Two drilling options 1/8" or 1/4".

Two wall thickness options 1.5mm or 2mm.

Optional outlet with 3/4 Thread or Male Coupling.



3

STAINLESS STEEL BOOM CAMLOCK
(PN01669NX-2) - 2" BAR
(PN01669NX-1.1/2) - 1 1/2" BAR
(PN01669NX-1.1/4) - 1 1/4" BAR

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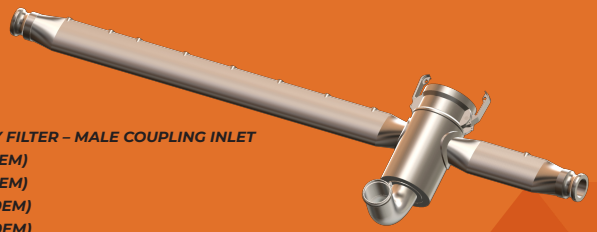
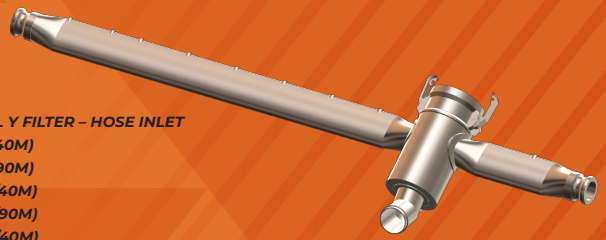
Y FILTER

STAINLESS STEEL Y FILTER MODEL



1

STAINLESS STEEL Y FILTER – MALE COUPLING INLET
AT402 (PN01810/40EM)
AT402 (PN01810/90EM)
AT502 (PN90108/40EM)
AT502 (PN90108/90EM)
AT602 (PN90223/40EM)
AT602 (PN90223/90EM)
AT802 (PN90016/40EM)
AT802 (PN90016/90EM)

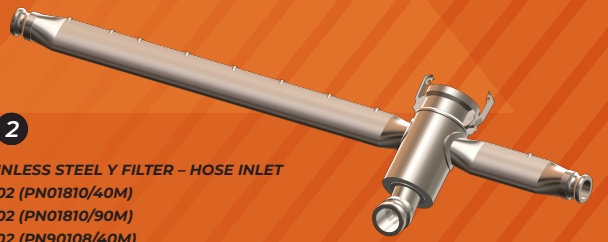


2

STAINLESS STEEL Y FILTER – HOSE INLET
AT402 (PN01810/40M)
AT402 (PN01810/90M)
AT502 (PN90108/40M)
AT502 (PN90108/90M)
AT602 (PN90223/40M)
AT602 (PN90223/90M)
AT802 (PN90016/40M)
AT802 (PN90016/90M)

2

STAINLESS STEEL Y FILTER – HOSE INLET
AT402 (PN01810/40M)
AT402 (PN01810/90M)
AT502 (PN90108/40M)
AT502 (PN90108/90M)
AT602 (PN90223/40M)
AT602 (PN90223/90M)
AT802 (PN90016/40M)
AT802 (PN90016/90M)



2

STAINLESS STEEL Y FILTER – HOSE INLET
AT402 (PN01810/40M)
AT402 (PN01810/90M)
AT502 (PN90108/40M)
AT502 (PN90108/90M)
AT602 (PN90223/40M)
AT602 (PN90223/90M)
AT802 (PN90016/40M)
AT802 (PN90016/90M)

INFORMATION

Stainless steel system.

Robust equipment with high durability.

Various filter screen models available.

Multiple connection options for inlet and outlet.

Custom configuration options according to customer needs.

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GATE BOX

AGRICULTURAL EQUIPMENT
AIR TRACTOR
GATE BOX

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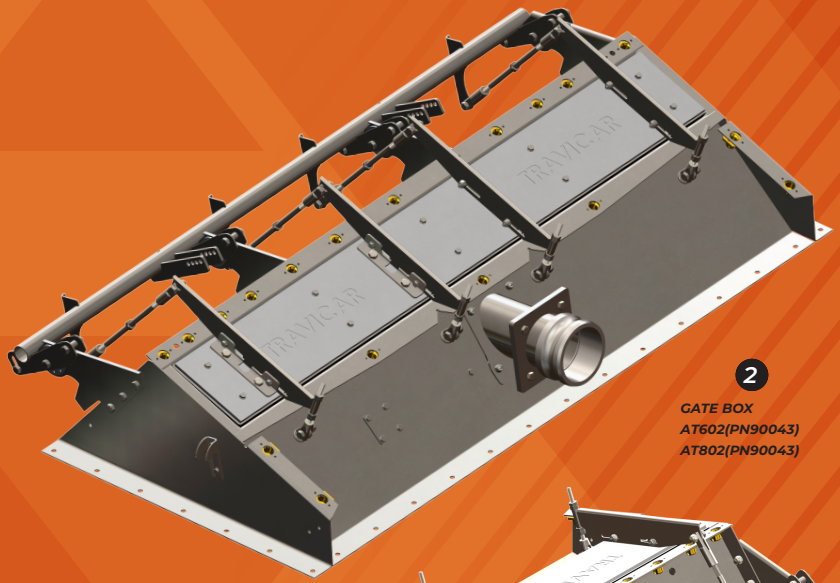
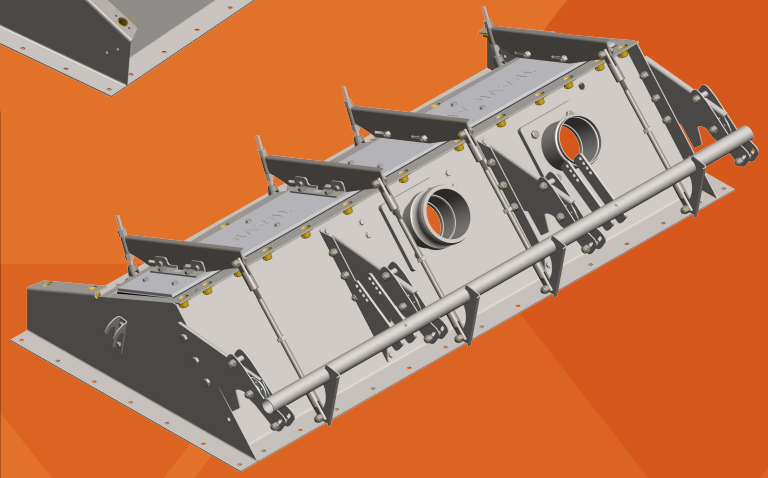
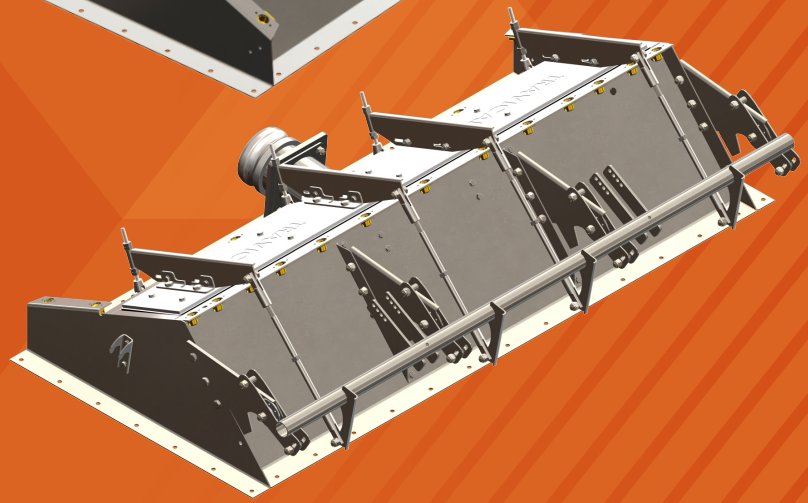
GATE BOX MODEL

1
GATE BOX
AT402(PN90007)
AT502(PN90007)



2
GATE BOX
AT602(PN90043)
AT802(PN90043)





INFORMATION

Stainless steel system.

Robust equipment with high durability.

Outlet options with 3" flange or 3" shut-off valve.

Multiple connection options for inlet and outlet.

Special customization options according to customer needs.

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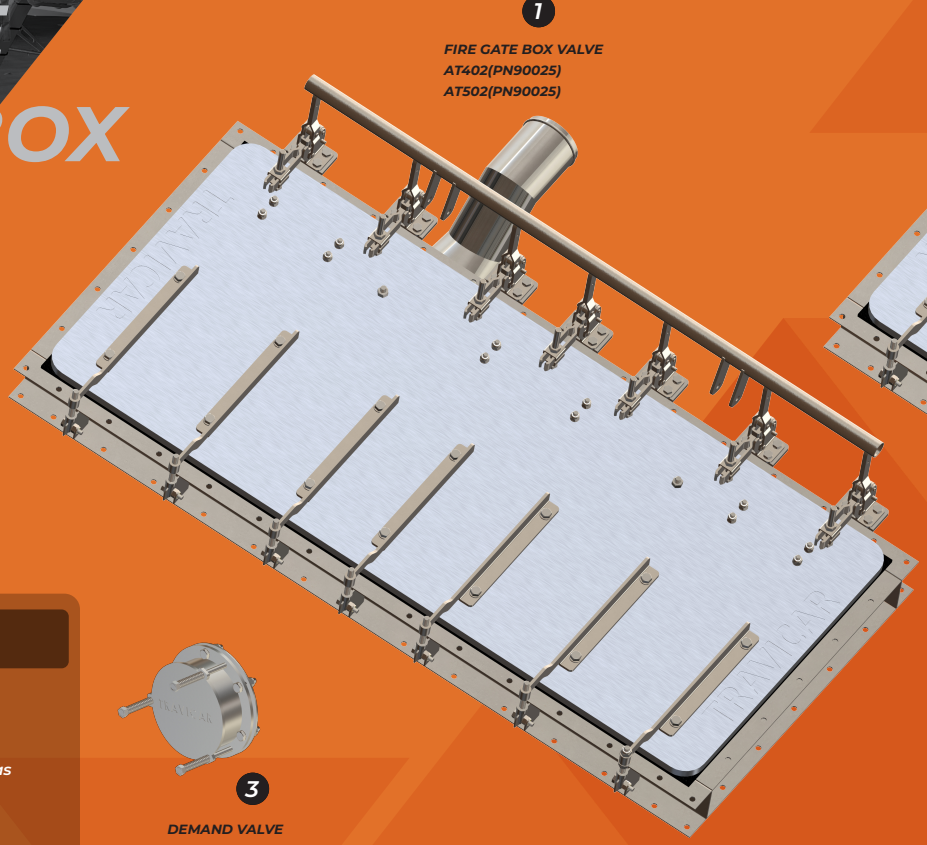
FIRE GATE BOX

AIRCRAFT AIR TRACTOR 402 - 502 - 602 - 802

FIRE GATE BOX MODEL AND ACCESSORIES

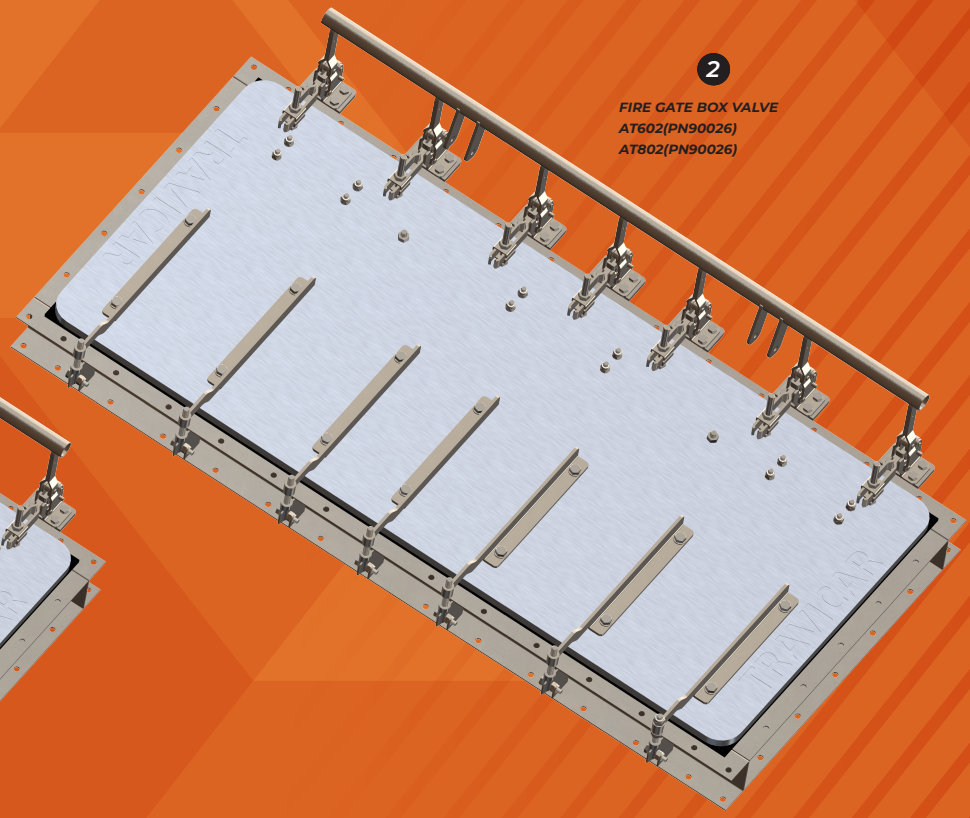
1

FIRE GATE BOX VALVE
AT402(PN90025)
AT502(PN90025)



2

FIRE GATE BOX VALVE
AT602(PN90026)
AT802(PN90026)



3

DEMAND VALVE
(PN05110)

INFORMATION

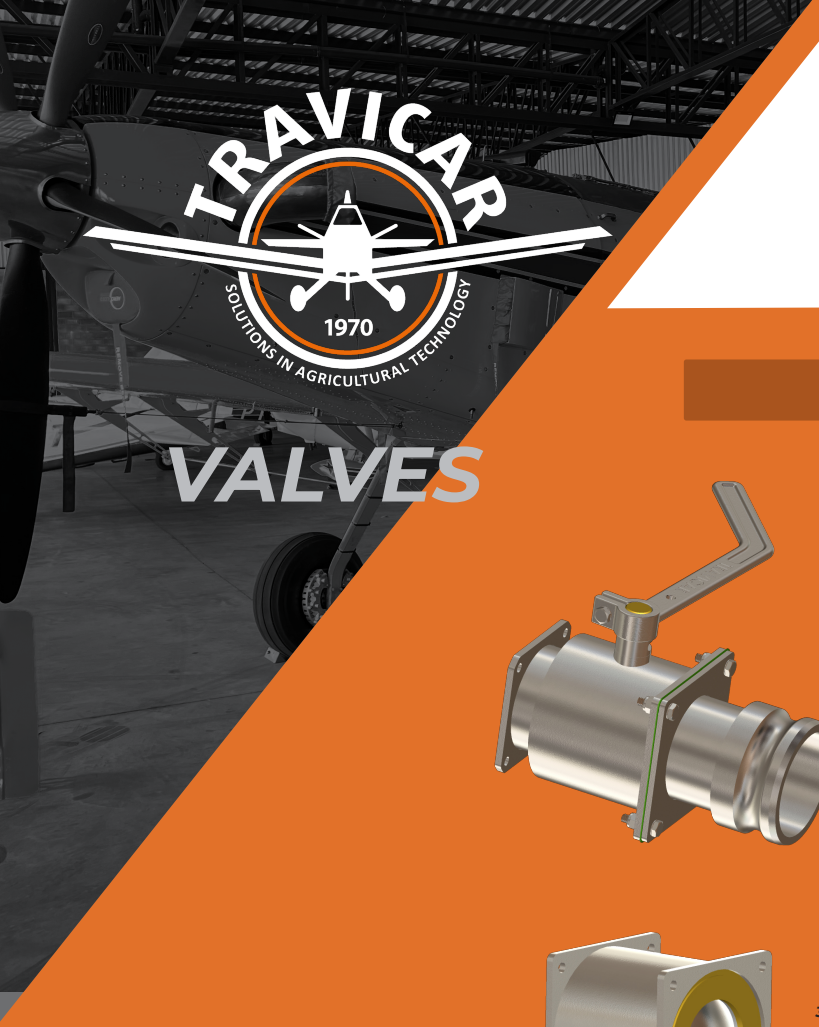
Stainless steel system.

Used for firefighting in areas with low foliage density.

Simplified installation.

Spring-loaded lid closing system with adjustment.

Valve system for air intake into the hopper.



VALVES

AGRICULTURAL EQUIPMENT
AIR TRACTOR
VALVES

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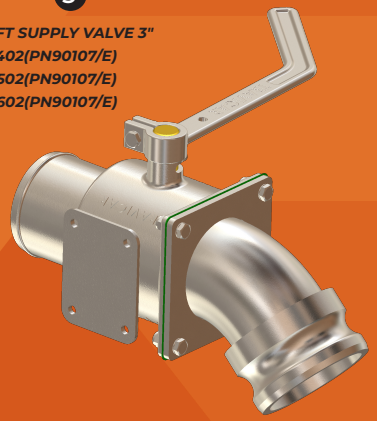
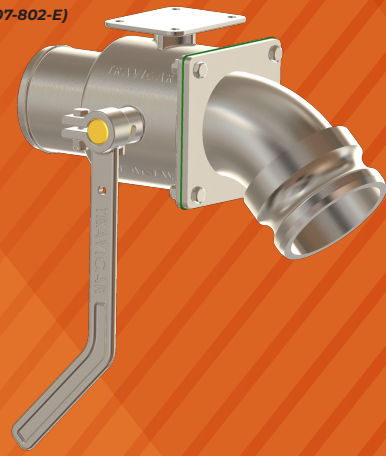
STAINLESS STEEL VALVE MODELS

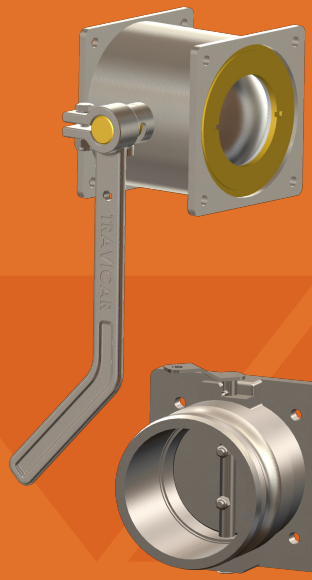
8 SHUT-OFF VALVE 3"
AT602(PN05611)
AT802(PN05611)



3 LEFT SUPPLY VALVE 3"
AT402(PN90107/E)
AT502(PN90107/E)
AT602(PN90107/E)

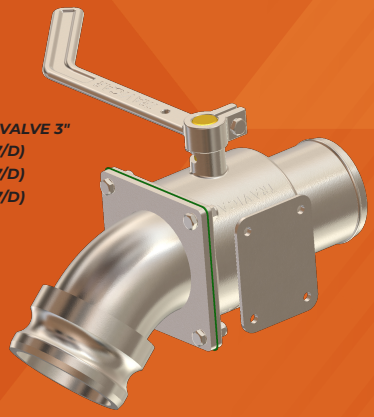


5 LEFT SUPPLY VALVE 3"
AT802(PN90107-802-E)

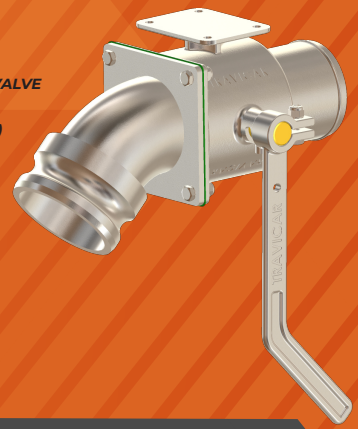


7 3" SHUT-OFF VALVE
AT402(PN01821H7-VALV)
AT502(PN01821H7-VALV)

BUTTERFLY VALVE **9**



4 RIGHT SUPPLY VALVE 3"
AT402(PN90107/D)
AT502(PN90107/D)
AT602(PN90107/D)



6 RIGHT SUPPLY VALVE
3" AT802
(PN90107-802-D)

INFORMATION

Stainless steel system.

Model options to meet DGPS accessories.

By-pass valve with venturi system, easy to adjust and access for easy cleaning.

By-pass valve with spool for installation of an automatic opening and closing valve.

Customization options for connections and assemblies.

AIRCRAFT AIR TRACTOR 402 - 502 - 602 - 802

BYPASS VALVES

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AIR TRACTOR
VALVES

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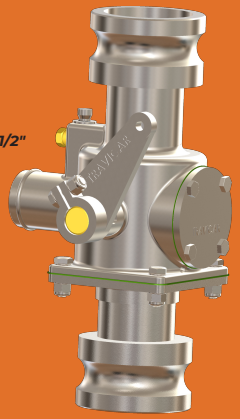
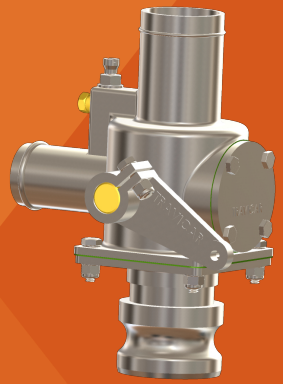
STAINLESS STEEL VALVE MODELS BYPASS

AIR TACTOR 402/502

1
BYPASS VALVE 2 1/2"
AT402(PN01115)
AT502(PN01115)



2
BYPASS VALVE 2"
AT402(PN01115)
AT502(PN01115)

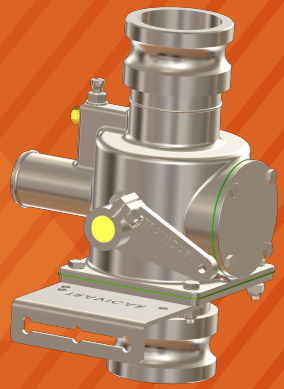


3
BYPASS VALVE 2"
AT402(PN01115)
AT502(PN01115)

AIR TACTOR 602/802

4
2 1/2" BY PASS VALVE
AT602(PN90015)
AT802(PN90015)

5
2 1/2" BY PASS VALVE
AT602(PN90015)
AT802(PN90015)



6
2 1/2" BY PASS VALVE
AT602(PN90015)
AT802(PN90015)

INFORMATION

Stainless steel system.

Model options to meet DGPS accessories.

By-pass valve with venturi system, easy to adjust and access for easy cleaning.

By-pass valve with spool for installation of an automatic opening and closing valve.

Customization options for connections and assemblies.

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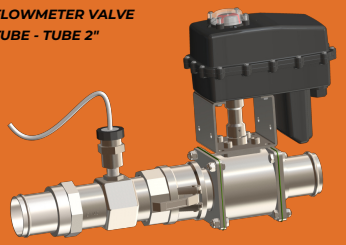
FLOWMETER

STAINLESS STEEL VALVE MODELS

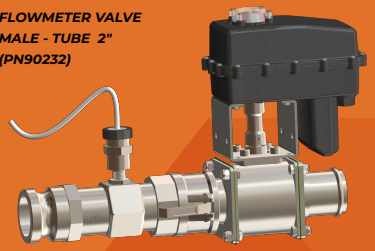
ACTUATOR 1.5 sec
(PNG262)

AIR TACTOR 402/502

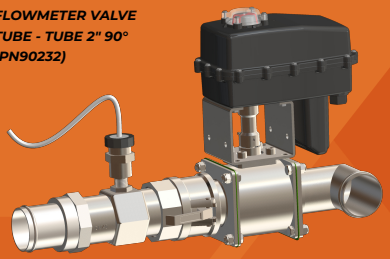
1 FLOWMETER VALVE
TUBE - TUBE 2"



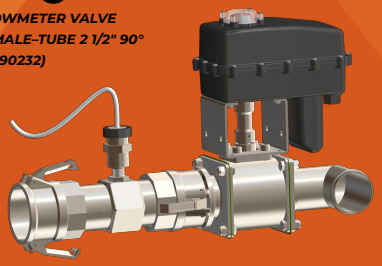
2 FLOWMETER VALVE
MALE - TUBE 2"
(PN90232)



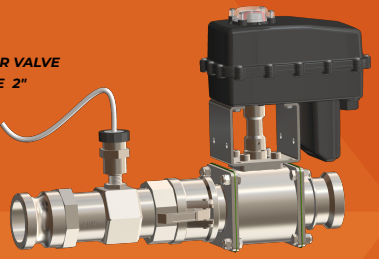
3 FLOWMETER VALVE
TUBE - TUBE 2" 90°
(PN90232)



4 FLOWMETER VALVE
FEMALE-TUBE 2 1/2" 90°
(PN90232)



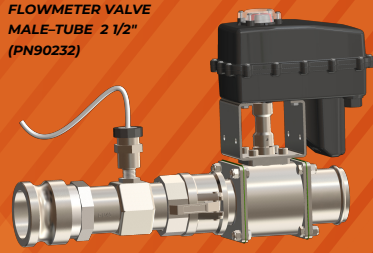
5 FLOWMETER VALVE
MALE-MALE 2"
(PN90232)



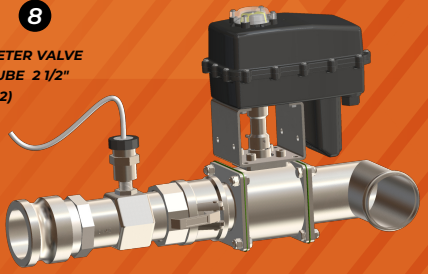
AIR TACTOR 602/802

6 FLOWMETER VALVE
TUBE – TUBE 2 1/2" 90°
(PN90232-MM)

7 FLOWMETER VALVE
MALE-TUBE 2 1/2"
(PN90232)



8 FLOWMETER VALVE
MALE-TUBE 2 1/2"
(PN90232)



INFORMATION

Stainless steel system.

Model options to accommodate DGPS accessories.

Bypass valve with venturi system for easy adjustment and convenient access for cleaning.

Bypass valve with manifold for installation of opening valve and automatic shut-off.

Customization options for connections and mounting configurations.

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AGRICULTURAL EQUIPMENT
AIR TRACTOR
VALVES

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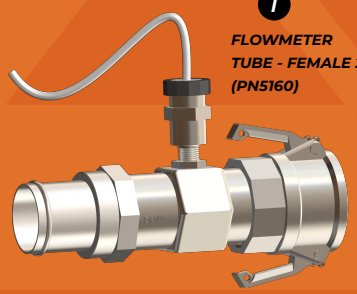
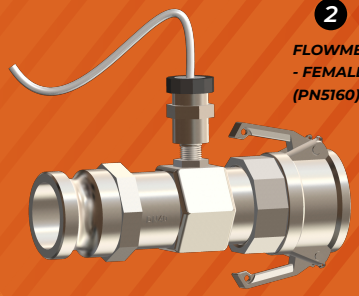
FLOWMETER

STAINLESS STEEL VALVE MODELS

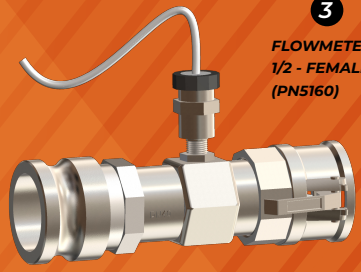
1 FLOWMETER TUBE - FEMALE 2" (PN5160)



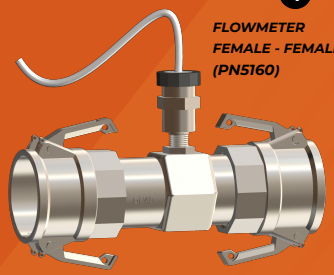
2 FLOWMETER MALE - FEMALE 2" (PN5160)



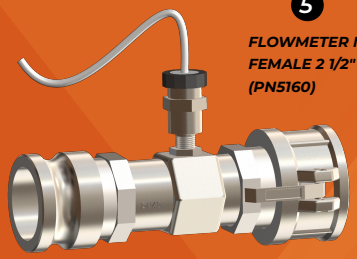
3 FLOWMETER MALE 2 1/2 - FEMALE 2" (PN5160)



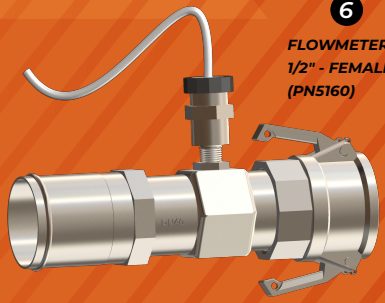
4 FLOWMETER FEMALE - FEMALE 2" (PN5160)



5 FLOWMETER MALE 2 1/2 - FEMALE 2 1/2" (PN5160)



6 FLOWMETER TUBE 2 1/2" - FEMALE 2" (PN5160)



7 ELECTROMAGNETIC FLOW METER TURBINE (PN5160)

INFORMATION

Stainless steel system.

Model options to accommodate DGPS accessories.

Bypass valve with venturi system for easy adjustment and convenient access for cleaning.

Bypass valve with manifold for installation of opening valve and automatic shut-off.

Customization options for connections and mounting configurations.

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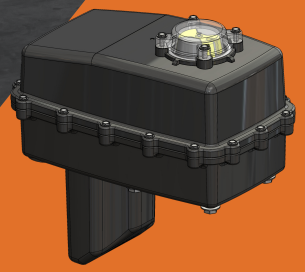
VALVES ON/OFF

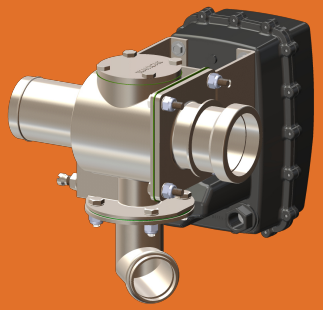
STAINLESS STEEL VALVE MODELS ON/OFF

ACTUATOR 0.5 sec
(PNG264)

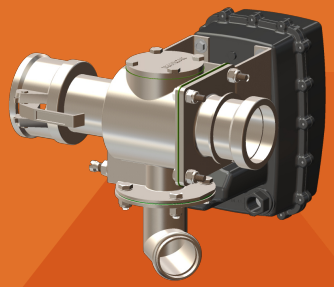


AIR TACTOR 402/502

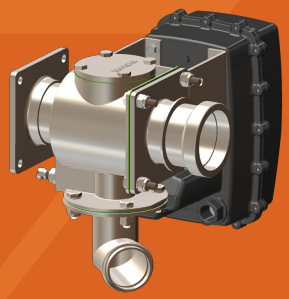
1
ON/OFF VALVE BPI AT/402 - AT/502
TUBE – MALE 2"
(PN90256)



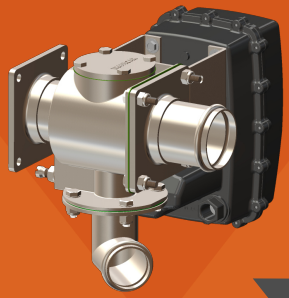
2
ON/OFF VALVE BPI AT/402 - AT/502
MALE – FEMALE 2"
(PN90256)



3
ON/OFF VALVE BPI AT/402 - AT/502
TUBE – FLANGE 2"
(PN90256)

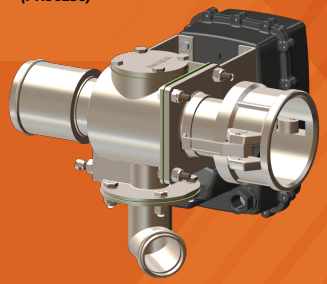


4
ON/OFF VALVE BPI AT/402 - AT/502
MALE – TUBE 2"
(PN90256)

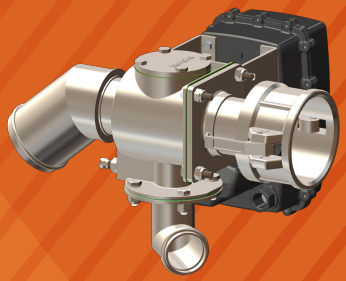


AIR TACTOR 602/802

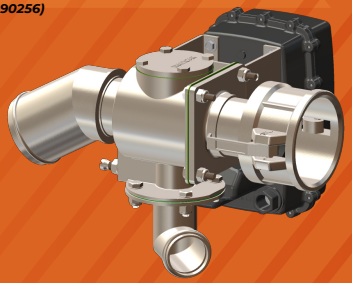
5
ON/OFF VALVE BPI AT602 - AT802
FEMALE – TUBE 2 1/2"
(PN90256)



6
ON/OFF VALVE BPI AT602
FEMALE – TUBE 2 1/2"
(PN90256)



7
ON/OFF VALVE BPI AT802
FEMALE – TUBE 2 1/2"
(PN90256)



INFORMATION

Stainless steel system.

Model options to accommodate DGPS accessories.

Bypass valve with venturi system for easy adjustment and convenient access for cleaning.

Bypass valve with manifold for installation of opening valve and automatic shut-off.

Customization options for connections and mounting configurations.

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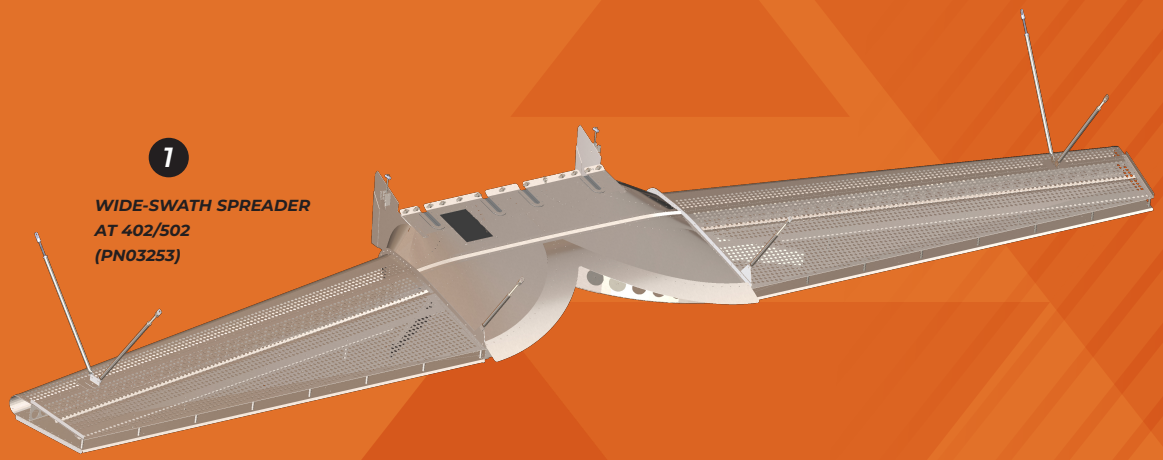
WIDE-SWATH SPREADER

AIRCRAFT AIR TRACTOR 402 - 502 - 602 - 802

WIDE-SWATH SPREADER

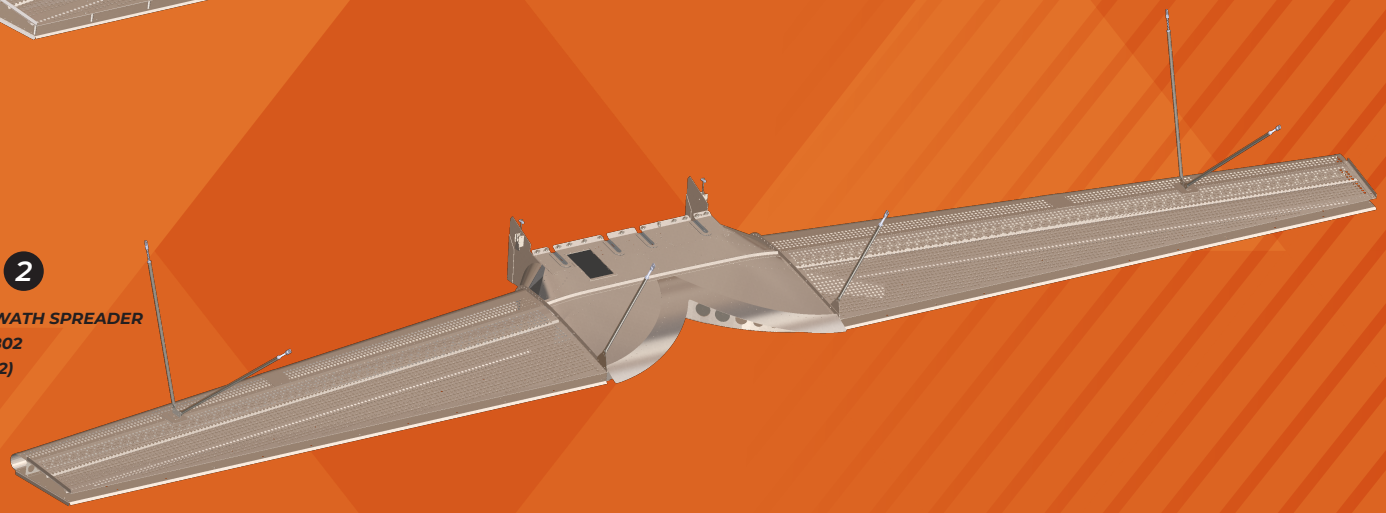
1

WIDE-SWATH SPREADER
AT 402/502
(PN03253)



2

WIDE-SWATH SPREADER
AT 602/802
(PN03252)



INFORMATION

Stainless steel system.

Designed for agricultural aircraft solid spreading.

High-resistance laser welding system.

Solid stainless steel riveted structure.

Adjustable mounting system for precise installation.

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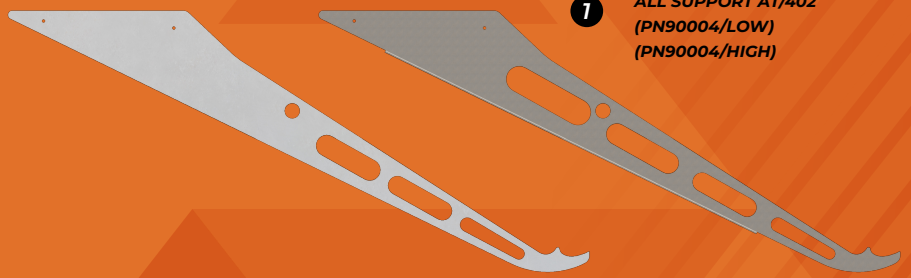
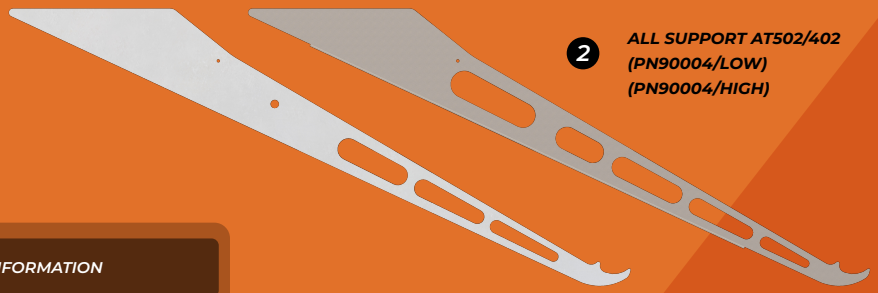
BOOM HANGER

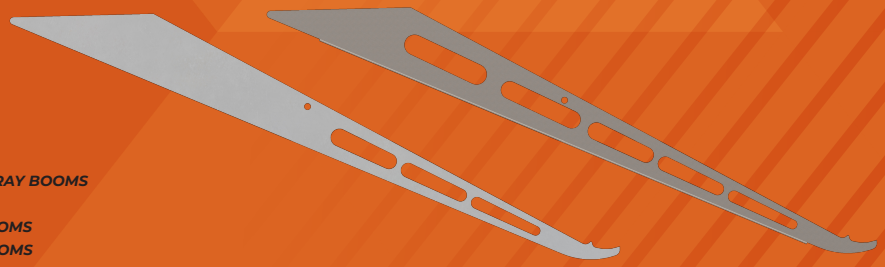
BOOM HANGER



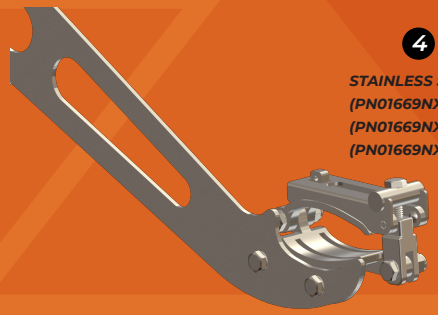
1 ALL SUPPORT AT/402
(PN90004/LOW)
(PN90004/HIGH)



2 ALL SUPPORT AT502/402
(PN90004/LOW)
(PN90004/HIGH)



3 ALL SUPPORT AT/802
(PN90018)



4 STAINLESS STEEL T CAMLOCK – SPRAY BOOMS
(PN01669NX-2) – 2" SPRAY BOOMS
(PN01669NX-1.1/2) – 1 1/2" SPRAY BOOMS
(PN01669NX-1.1/4) – 1 1/4" SPRAY BOOMS

INFORMATION

Stainless steel system.

Simplified installation.

All Support.

Valve system for air intake into the hopper.

AIRCRAFT AIR TRACTOR 402 - 502 - 602 - 802

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AIRCRAFT
CESSNA 188

TRAVICAR
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1970

AGRICULTURAL EQUIPMENT
CESSNA
STAINLESS STEEL

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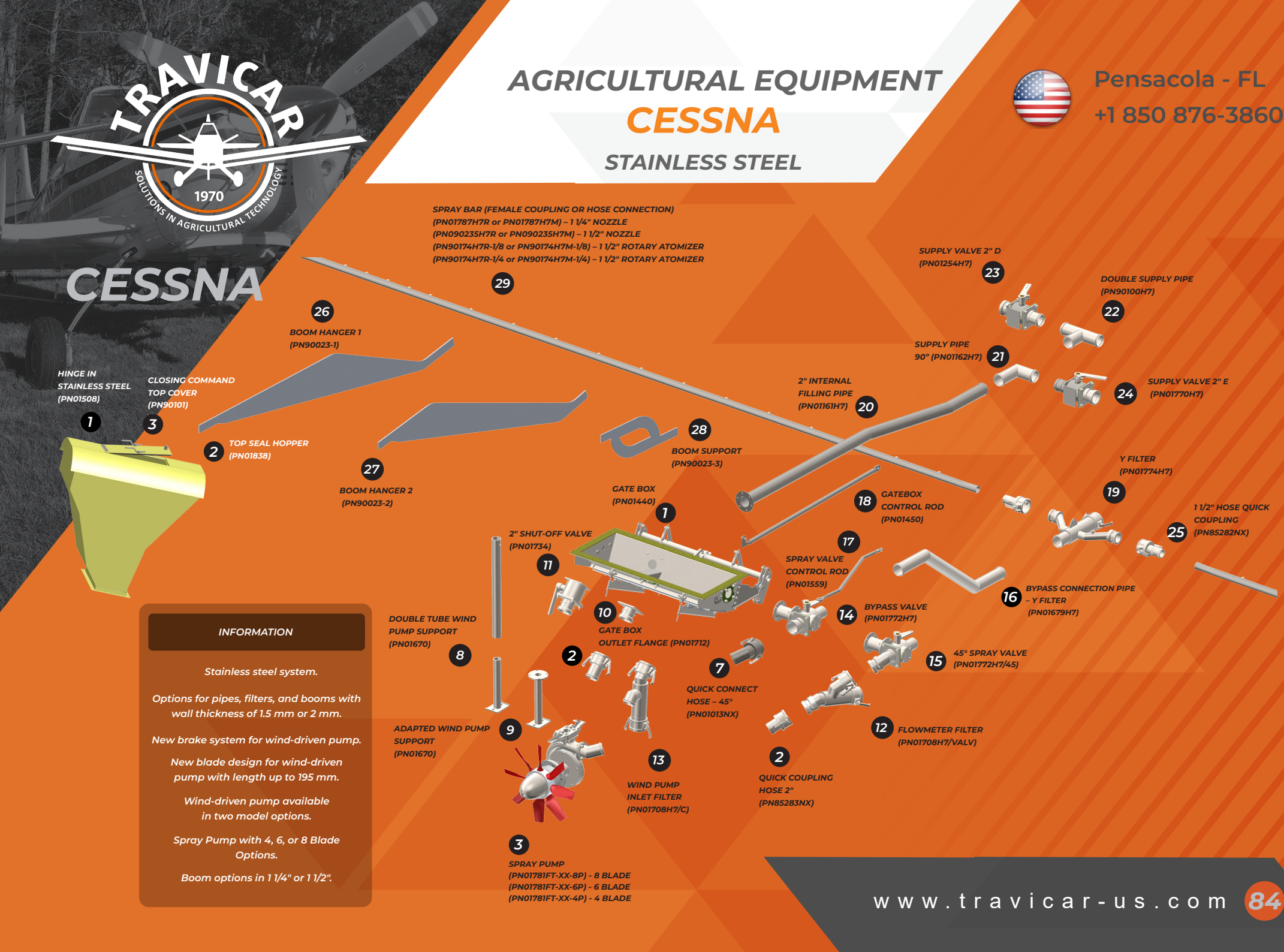
CESSNA



INFORMATION

Stainless steel system.

Options for pipes, filters, and booms with wall thickness of 1.5 mm or 2 mm.

New brake system for wind-driven pump.

New blade design for wind-driven pump with length up to 195 mm.

Wind-driven pump available in two model options.

Spray Pump with 4, 6, or 8 Blade Options.

Boom options in 1 1/4" or 1 1/2".

AIRCRAFT CESSNA 188

AGRICULTURAL EQUIPMENT

CESSNA

FLOW READER

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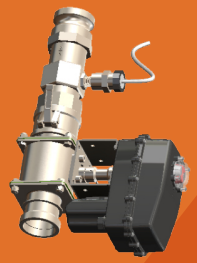
BYPASS VALVE (PN01772H7)
7

BYPASS VALVE (PN01772H7)
7

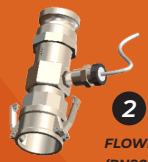
BYPASS VALVE (PN01772H7)
7

3
PIPE COUPLING (PN01676-FLUX1)

3
PIPE COUPLING (PN01676-FLUX1)



10
FLOWMETER MALE - MALE (PN90222/MM)



2
FLOWMETER (PN90198/MF)

1
BYPASS CONNECTION PIPE - Y FILTER (PN01679H7)

4
PIPE COUPLING (PN01676-FLUX3)

12
SPRAY VALVE CONNECTION TUBE (PN01676-FLUX2)

9
Y FILTER (PN01774)

INFORMATION

Stainless steel system.

Connection between pipes and valves can be made using quick couplings or hose options.

Can be adapted to flowmeters and On/Off valves from different manufacturers.

Options for pipes and filters with wall thickness of 1.5 mm or 2 mm.

AGRICULTURAL EQUIPMENT

CESSNA

FLOW READER

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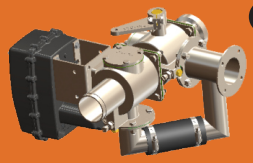

11 ON/OFF VALVE (PN90256)

8 BYPASS VALVE (PN01772H7-ONOFF)

13 PIPE COUPLING (PN01676-FLUX1C)

3 PIPE COUPLING (PN01676-FLUX1)

14 CLAMP 1 1/2" (PN01103)

15 HOSE 1'' 1.2'' (PN01685)

14 CLAMP 1 1/2" (PN01103)

FLOWMETER MALE - MALE (PN90222/MM) 10

5 FLOWMETER MALE - MALE (PN90217/MF90-202-203)

4 PIPE COUPLING (PN01676-FLUX3)

10 FLOWMETER MALE - MALE (PN90222/MM)

6 PIPE COUPLING (PN01676-FLUX4)

INFORMATION

Stainless steel system.

Connection between pipes and valves can be made using quick couplings or hose options.

Can be adapted to flowmeters and On/Off valves from different manufacturers.

Options for pipes and filters with wall thickness of 1.5 mm or 2 mm.

AIRCRAFT CESSNA 188

AGRICULTURAL EQUIPMENT
CESSNA
SPRAY PUMP

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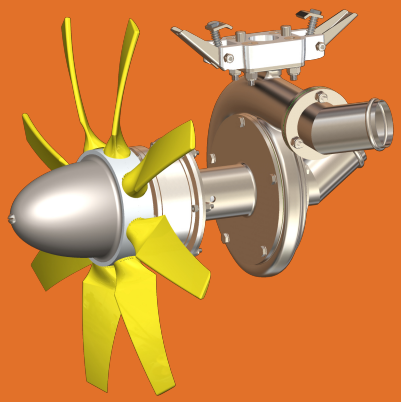
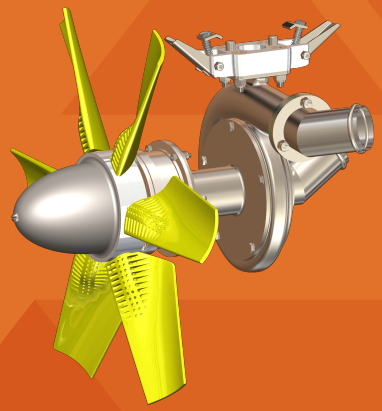
SPRAY PUMP

SPRAY PUMP MODELS



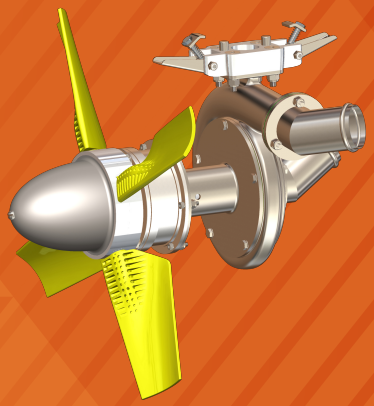
1

SMALL SPRAY PUMP – 130MM ROTOR
(PN01781FT-XX-8P) – 8-BLADE CONFIGURATION – 147 MM STANDARD PERFORMANCE



2

SMALL SPRAY PUMP – 130MM ROTOR
(PN01781FT-XX-6P) – 6-BLADE CONFIGURATION – 140MM PERFORMANCE



3

SMALL SPRAY PUMP – 130MM ROTOR
(PN01781FT-XX-4P) – 4-BLADE CONFIGURATION – 165MM PERFORMANCE

Mechanical seal with options in Tungsten, Graphite or Silicon.

INFORMATION

Stainless steel system.

New square shaft system.

New reinforced braking system.

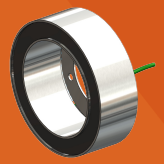
New blade design available in three sizes.

Hub with options for 4, 6, or 8 blades.

Ready for use with the TRAVICAR DGPS automatic opening and closing system.

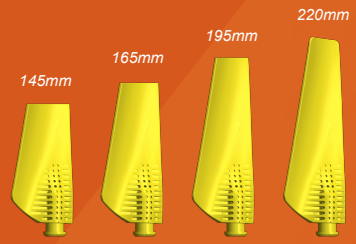
BRAKE SYSTEM

SQUARE AXIS



STRONGER BRAKE

BLADES OPTIONS



STANDARD BLADE

PERFORMANCE BLADE

CUBES OPTIONS

AGRICULTURAL EQUIPMENT

CESSNA

AEROFOLIC BAR

Pensacola - FL
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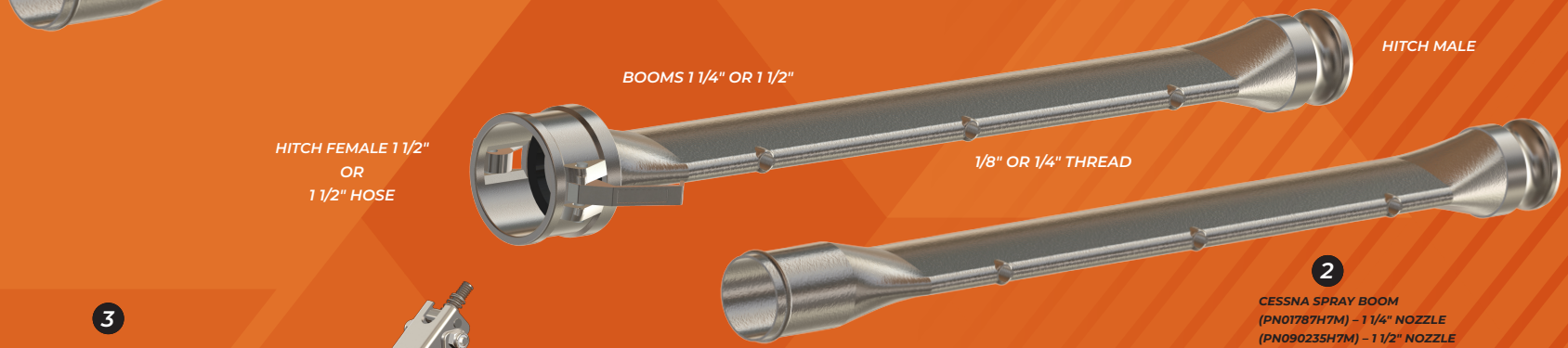
BOOMS

AEROFOLIC BOOM TIP MODELS

1

CESSNA SPRAY BOOM
(PN01787H7R) – 1 1/4" NOZZLE
(PN090235H7R) – 1 1/2" NOZZLE
(PN90174H7R-1/8) – 1 1/2" ROTARY ATOMIZER
(PN90174H7R-1/4) – 1 1/2" ROTARY ATOMIZER

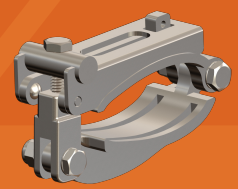


2

CESSNA SPRAY BOOM
(PN01787H7M) – 1 1/4" NOZZLE
(PN090235H7M) – 1 1/2" NOZZLE
(PN90174H7M-1/8) – 1 1/2" ROTARY ATOMIZER
(PN90174H7M-1/4) – 1 1/2" ROTARY ATOMIZER

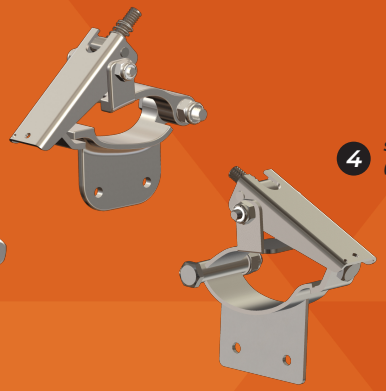
3

STAINLESS STEEL T CAMLOCK – SPRAY BOOMS
(PN01669NX-2) – 2" SPRAY BOOMS
(PN01669NX-1.1/2) – 1 1/2" SPRAY BOOMS
(PN01669NX-1.1/4) – 1 1/4" SPRAY BOOMS



4

STAINLESS STEEL T CAMLOCK – SPRAY BOOMS
(PN01669) – FOR 1 1/4" AND 1 1/2" SPRAY BOOMS



INFORMATION

Stainless steel system.

Fully configurable to meet aircraft requirements.

Quick couplings for mounting to the Y filter.

Two orifice options: 1/8" or 1/4".

Two wall thickness options: 1.5 mm or 2 mm.

Optional outlet with 3/4" threaded connection or male coupling.

Y FILTER

AGRICULTURAL EQUIPMENT

CESSNA

Y FILTER

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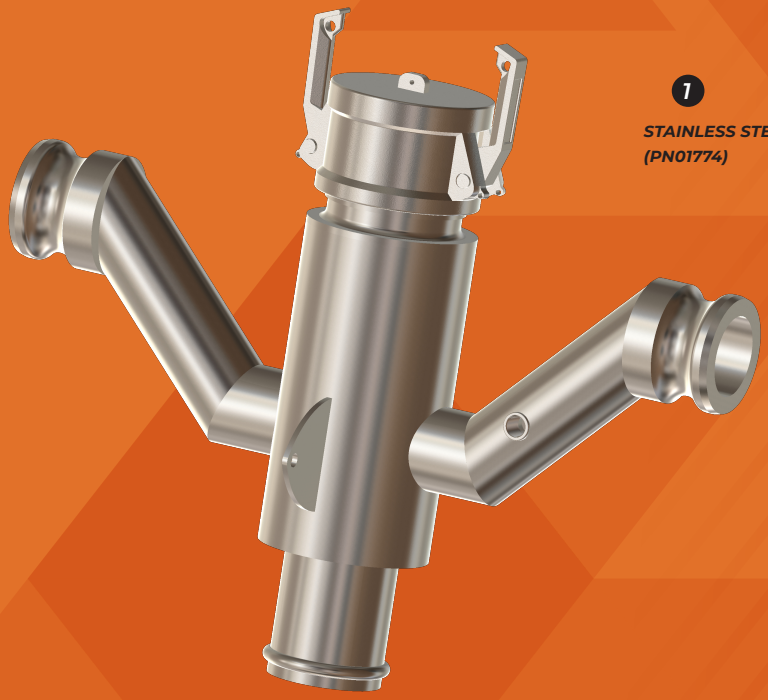
STAINLESS STEEL Y FILTER MODEL

HITCH FEMALE 2"



HITCH MALE 1 1/2"

HITCH MALE 1 1/2"

2" HOSE

1 STAINLESS STEEL Y FILTER CESSNA (PN01774)

INFORMATION

Stainless Steel System.

Robust and highly durable equipment.

Various filtration screen models available.

Multiple connection options for inlet and outlet.

Special customization options according to customer needs.

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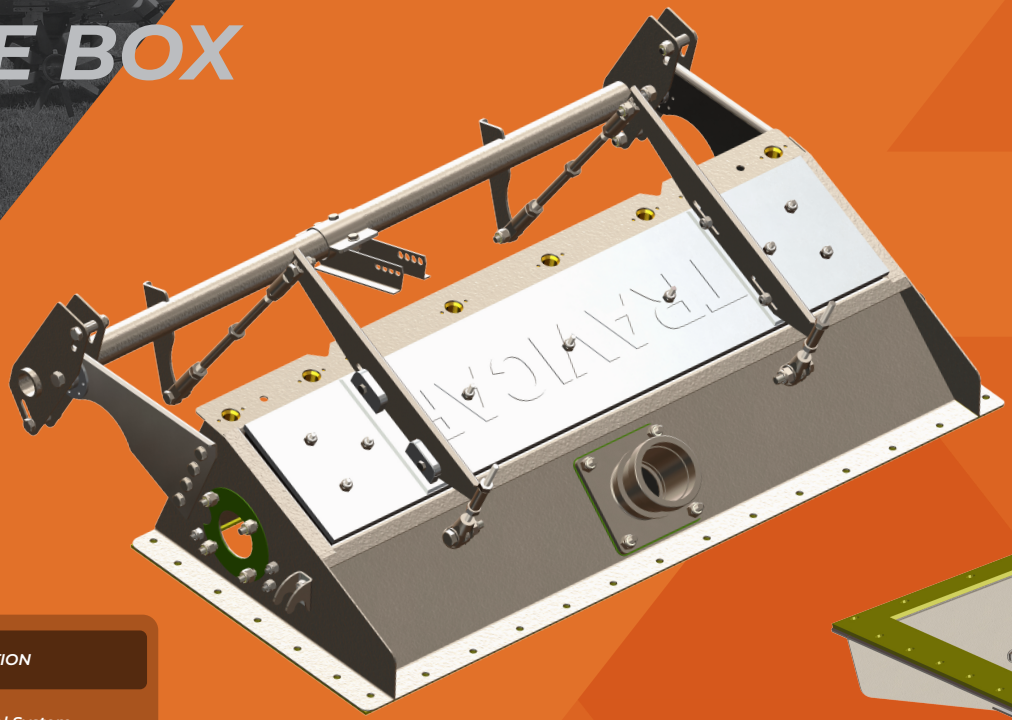
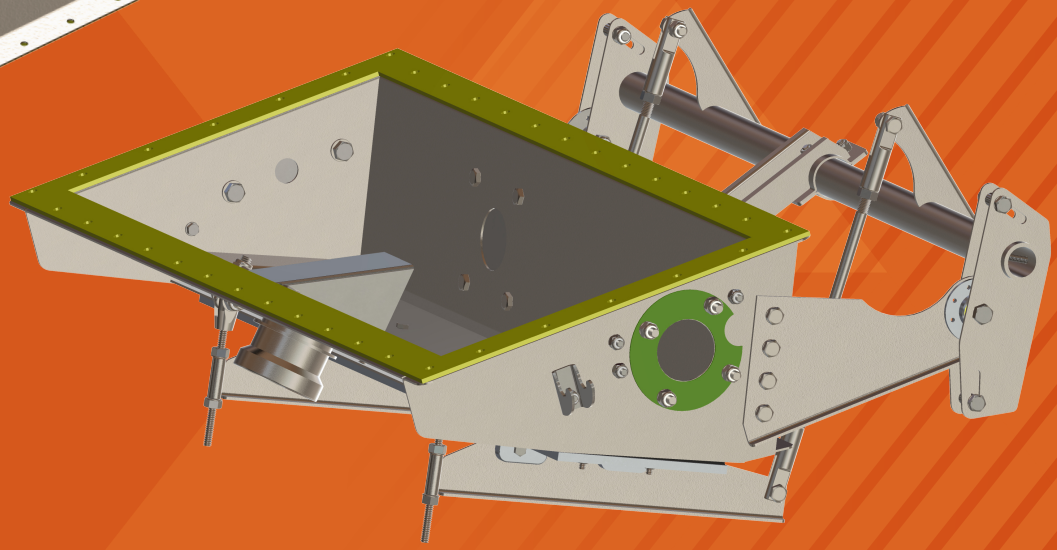
GATE BOX

GATE BOX MODEL



1 GATE BOX CESSNA (PN01440)



INFORMATION

Stainless Steel System.

Robust and highly durable equipment.

2" flange outlet option or 2" shut-off valve.

Multiple connection options for inlet and outlet.

Special customization options according to customer requirements.

AIRCRAFT CESSNA 188

AGRICULTURAL EQUIPMENT

CESSNA

FIRE GATE BOX

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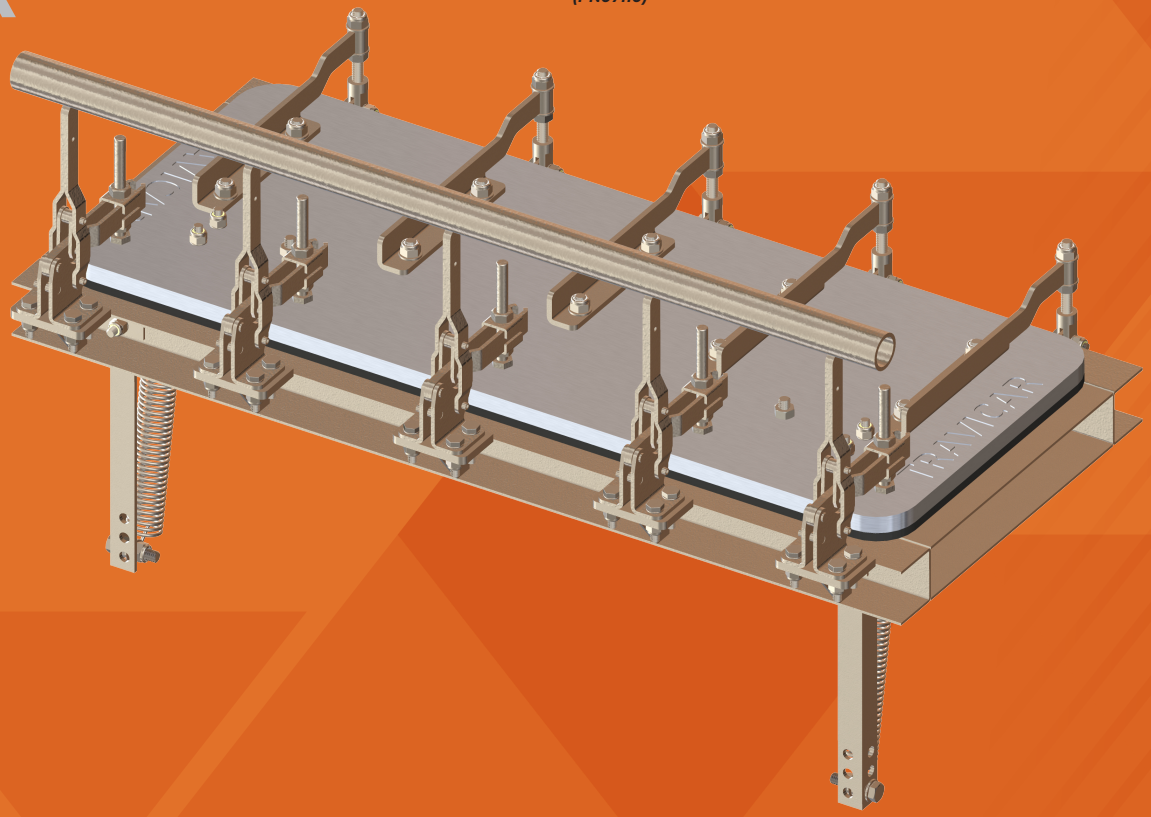
FIRE GATE BOX

FIRE GATE BOX MODEL AND ACCESSORIES

1

FIRE GATE BOX
(PN07110)



2

DEMAND VENTS
(PN05110)

INFORMATION

Stainless Steel System.

Used for fire-fighting in areas with low foliage density.

Simplified installation.

Spring-loaded system for lid closure with adjustment.

Valve system for air intake into the hopper.

AIRCRAFT CESSNA 188

VALVES

AGRICULTURAL EQUIPMENT
CESSNA
VALVES

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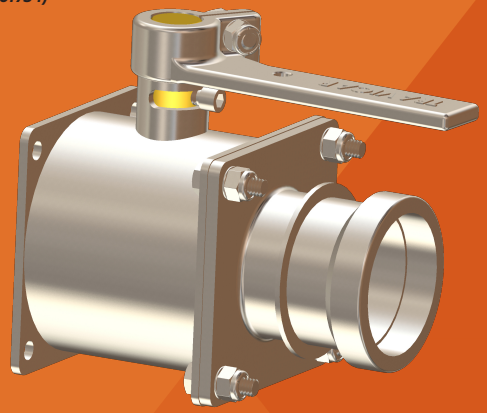
STAINLESS STEEL VALVE MODELS

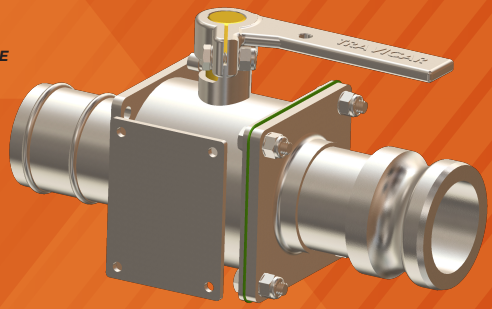
SHUT-OFF VALVE

1 2" SHUT-OFF VALVE (PN01734)

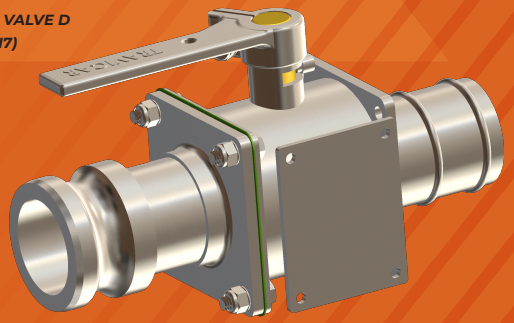


FILLING VALVE

2 2" FILLING VALVE E (PN01770H7)



3 2" FILLING VALVE D (PN01254H7)



INFORMATION

Stainless Steel System.

Model options to support DGPS accessories.

By-pass valve with venturi system for easy adjustment and access, facilitating cleaning.

Flowmeter valves with automatic opening and closing, available in various configuration options.

Customization options for connections and assemblies.

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BYPASS

AGRICULTURAL EQUIPMENT
CESSNA
VALVES

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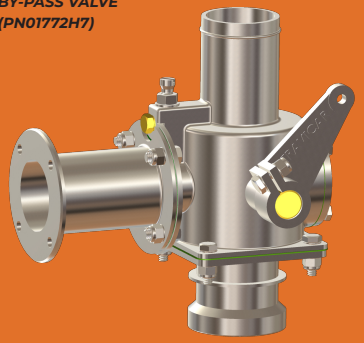
AIRCRAFT CESSNA 188

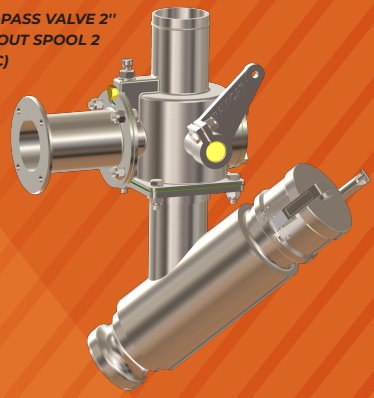
STAINLESS STEEL VALVE MODELS

1
BY-PASS VALVE
(PN01772H7)

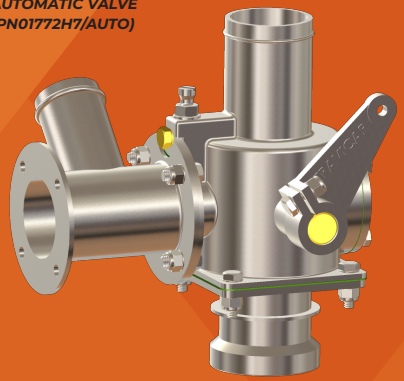


2
BY-PASS VALVE
(PN01772H7)

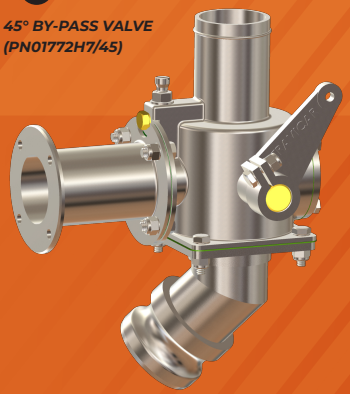
3
STAINLESS BY-PASS VALVE 2"
CESSNA WITHOUT SPOOL 2
(PN01772H7-SC)



4
BY-PASS VALVE FOR
AUTOMATIC VALVE
(PN01772H7/AUTO)



5
45° BY-PASS VALVE
(PN01772H7/45)



INFORMATION

Stainless Steel System.

Model options to support DGPS accessories.

By-pass valve with venturi system for easy adjustment and access, facilitating cleaning.

Flowmeter valves with automatic opening and closing, available in various configuration options.

Customization options for connections and assemblies.

AGRICULTURAL EQUIPMENT
CESSNA
VALVES

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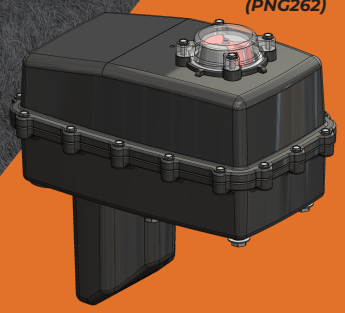
FLOWMETER

STAINLESS STEEL VALVE MODELS

FLOWMETER

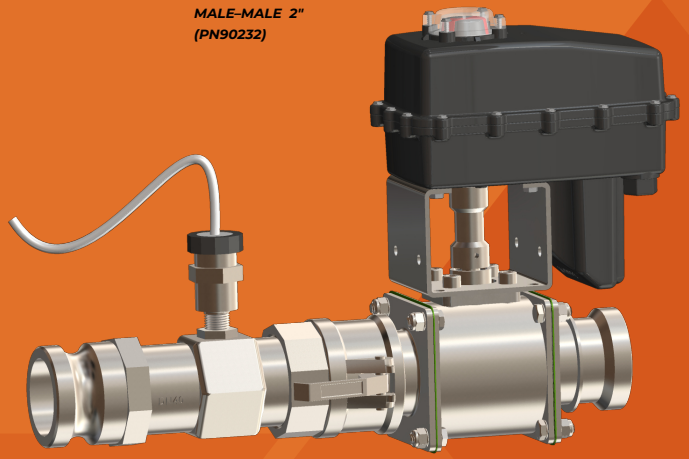
FLOW READER



ACTUATOR 1.5 sec
(PNG262)

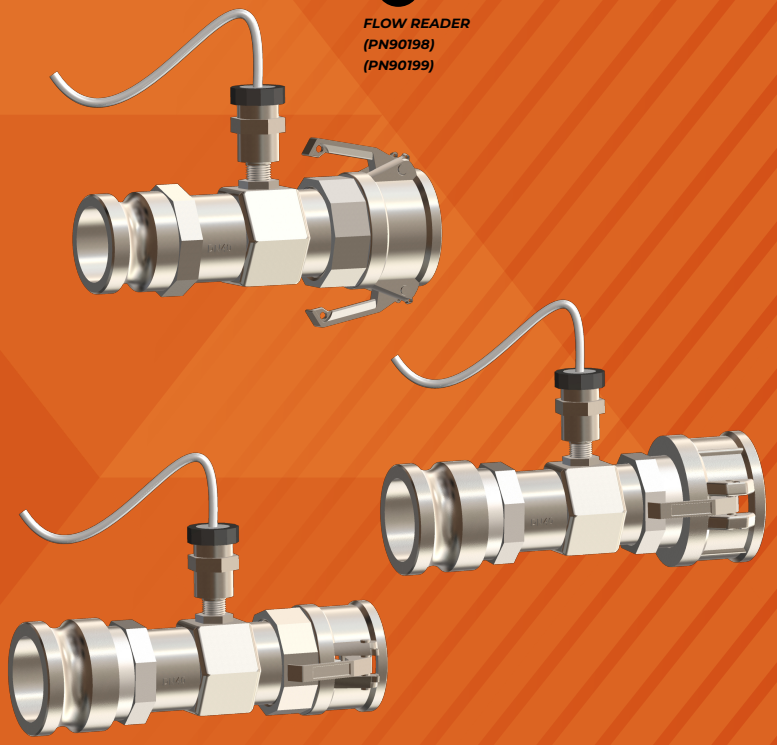
1

FLOWMETER VALVE
MALE-MALE 2"
(PN90232)



2

FLOW READER
(PN90198)
(PN90199)



INFORMATION

Stainless Steel System.

Model options to support DGPS accessories.

By-pass valve with venturi system for easy adjustment and access, facilitating cleaning.

Flowmeter valves with automatic opening and closing, available in various configuration options.

Customization options for connections and assemblies.

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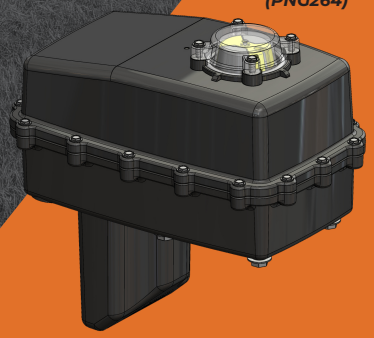
VALVES

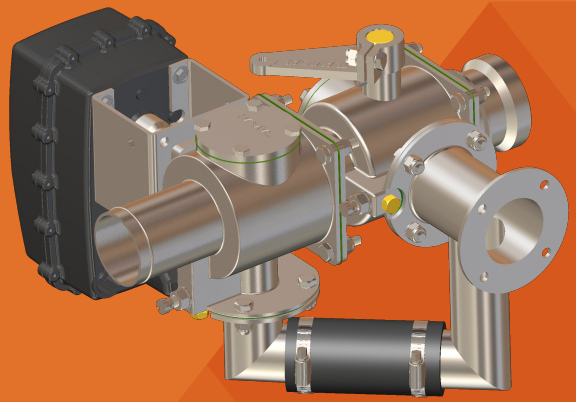
STAINLESS STEEL VALVE MODELS ON/OFF

ACTUATOR 0.5 sec
(PNG264)



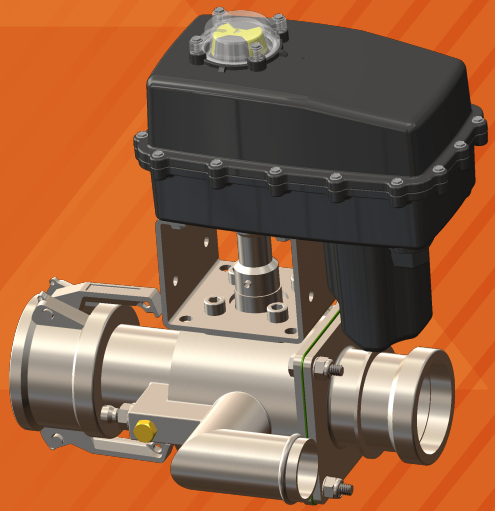
1

ON/OFF VALVE
BASE BPI + BYP CESSNA
(PN90256-CESS)



2

ON/OFF VALVE 2"
MALE - FEMALE 90° CESSNA
(PN90217)



INFORMATION

Stainless Steel System.

Model options to support DGPS accessories.

By-pass valve with venturi system for easy adjustment and access, facilitating cleaning.

Flowmeter valves with automatic opening and closing, available in various configuration options.

Customization options for connections and assemblies.

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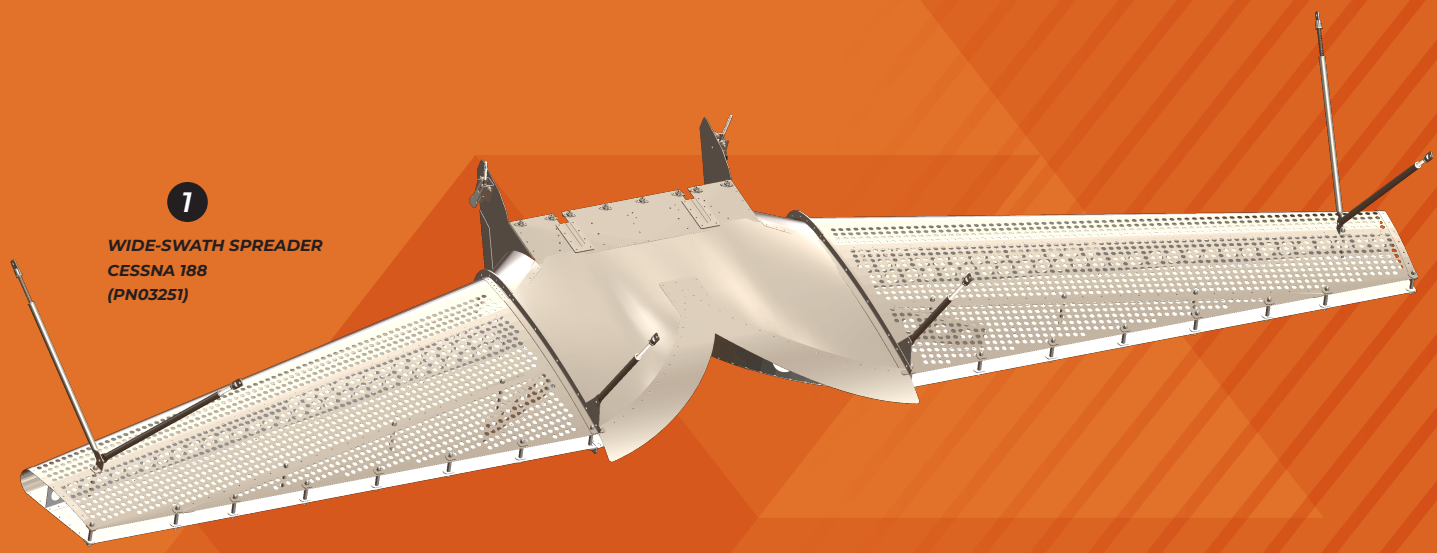
WIDE-SWATH SPREADER

AIRCRAFT CESSNA 188

WIDE-SWATH SPREADER



1

WIDE-SWATH SPREADER
CESSNA 188
(PN03251)

INFORMATION

Stainless steel system.

Designed for agricultural aircraft solid spreading.

High-resistance laser welding system.

Solid stainless steel riveted structure.

Adjustable mounting system for precise installation.

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AIRCRAFT

PIPER
PAWNEE 235/260
BRAVE

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235/260

AIRCRAFT PIPER - PAWNEE 235/260 - BRAVE

AGRICULTURAL EQUIPMENT

PAWNEE 235/260

STAINLESS STEEL

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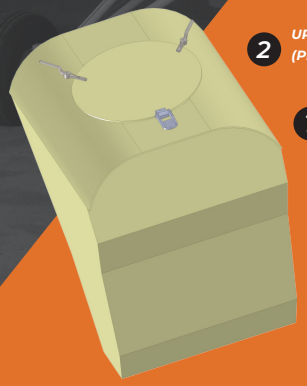


3 UPPER LID CLOSING CONTROL (PN01766)
2 UPPER HOPPER SEAL (PN90121)
1 UPPER HINGE (PN01228)

16 PAWNEE 235/260 ROUND BOOM (PN01221H7)
15 PAWNEE 235/260 ROUND BOOM (PN01234H7)

13 LOW BOOM SUPPORT (PN90131)

12 HIGH BOOM SUPPORT (PN90132)

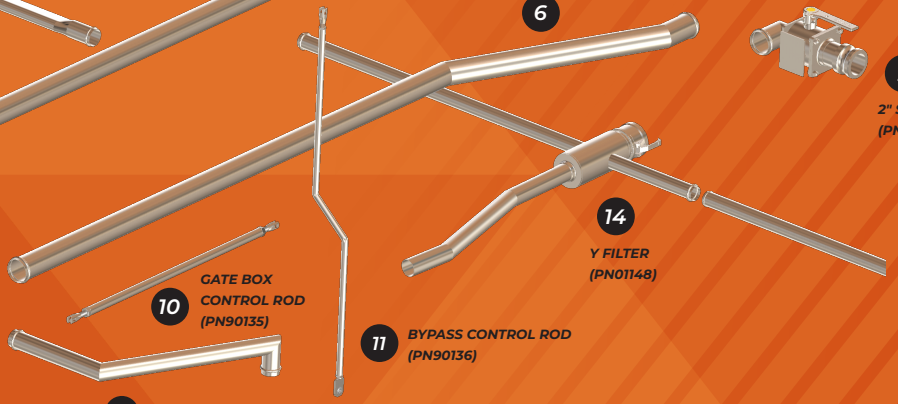
18 2" SUPPLY VALVE – D (PN01254)

17 2" DOUBLE SUPPLY VALVE (PN01833H7)

19 2" SUPPLY VALVE – E (PN01770)

2" SUPPLY PIPE (PN01602H7)
6

9 2" SUPPLY VALVE 90° (PN01833)

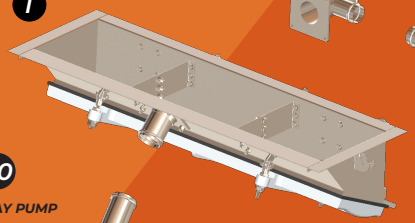


14 Y FILTER (PN01148)

SUPPLY FLANGE - RETURN (PN90137H7)
8

10 GATE BOX CONTROL ROD (PN90135)
11 BYPASS CONTROL ROD (PN90136)

GATE BOX (PN01992)
1

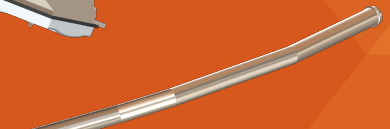


7 1 1/2" RETURN TUBE (PN90134H7)

4 BYPASS VALVE (PN42616H7)

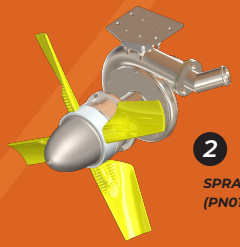
20 SPRAY PUMP INLET TUBE (PN90133H7)

3 SPRAY PUMP INLET TUBE (PN90133H7)



5 SPRAY PUMP CONNECTION TUBE – BY-PASS (PN01591H7)

21 LINE FILTER (PN01591H7)



2 SPRAY PUMP (PN01639)

INFORMATION

Stainless Steel System.

Tube, filter, and boom options with 1.5 mm or 2 mm wall thickness.

New braking system for Spray pump.

New blade model for spray pump with length up to 165 mm.

Spray pump available in two model options.

Spray pump with 4, 6, or 8 blade options.

Boom options in 1 1/4" or 1 1/2".

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235/260

AGRICULTURAL EQUIPMENT

PAWNEE 235/260

FLOW READER

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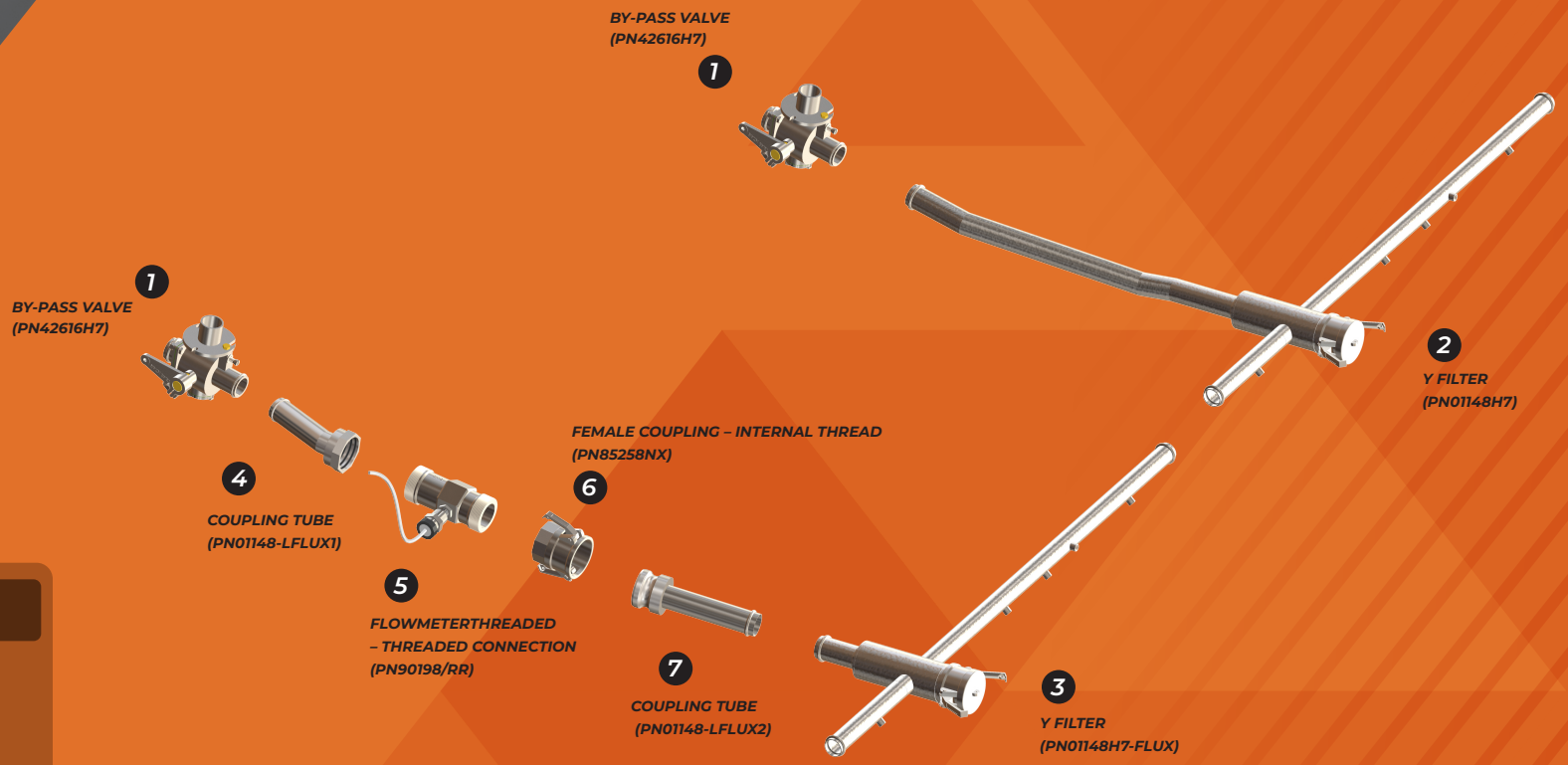

INFORMATION

Stainless Steel System.

Connections between tubes and valves can be made using quick couplings or hose options.

Can be adapted to flowmeters and On/Off valves from different manufacturers.

Tube and filter options with 1.5 mm or 2 mm wall thickness.

AIRCRAFT PIPER - PAWNEE 235/260 - BRAVE

AGRICULTURAL EQUIPMENT

PAWNEE 235/260

FLOW READER

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1 BY-PASS VALVE (PN42616H7)

2 Y FILTER (PN01148H7)

1 BY-PASS VALVE (PN42616H7)

4 COUPLING TUBE (PN01148-LFLUX1)

5 FLOWMETER THREADED – HOSE CONNECTION 1 1/2" (PN90222/RMANG1.1/2)

3 Y FILTER (PN01148H7-FLUX)

INFORMATION

Stainless Steel System.

Connections between tubes and valves can be made using quick couplings or hose options.

Can be adapted to flowmeters and On/Off valves from different manufacturers.

Tube and filter options with 1.5 mm or 2 mm wall thickness.

AGRICULTURAL EQUIPMENT

PAWNEE 235/260

SPRAY PUMP

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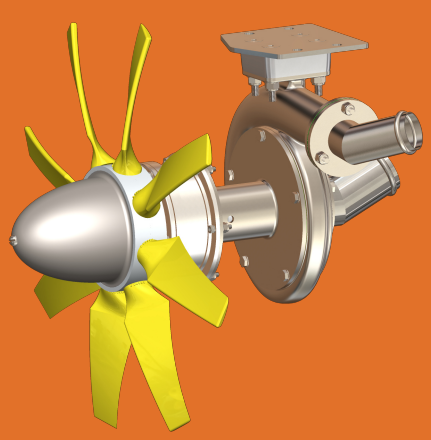
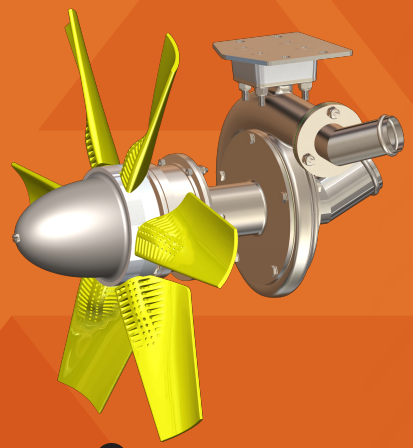
SPRAY PUMP

SPRAY PUMP MODELS



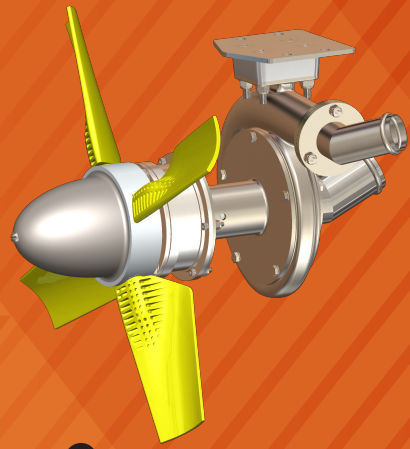
1

SMALL SPRAY PUMP - 130 MM ROTOR
PAWNEE 235/260 (PN01780FT-XX-8P) - 8 STANDARD BLADES, 147 MM
BRAVE (PN90152FT-XX-8P) - 8 STANDARD BLADES, 147 MM



2

SMALL SPRAY PUMP - 130 MM ROTOR
PAWNEE 235/260 (PN01780FT-XX-6P) - 6 PERFORMANCE BLADES, 140 MM
BRAVE (PN90152FT-XX-6P) - 6 PERFORMANCE BLADES, 140 MM



3

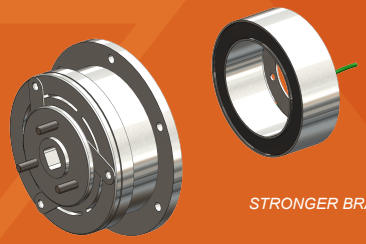
SMALL SPRAY PUMP - 130 MM ROTOR
PAWNEE 235/260 (PN01780FT-XX-4P) - 4 PERFORMANCE BLADES, 165 MM
BRAVE (PN90152FT-XX-4P) - 4 PERFORMANCE BLADES, 165 MM

Mechanical seal with options in Tungsten, Graphite or Silicon.

INFORMATION

- Stainless steel system.
- New square shaft system.
- New reinforced braking system.
- New blade design available in three sizes.
- Hub with options for 4, 6, or 8 blades.
- Ready for use with the TRAVICAR DGPS automatic opening and closing system.

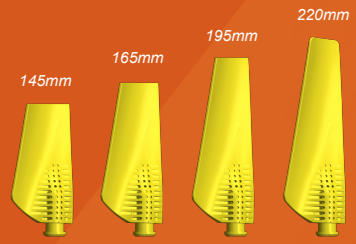
BRAKE SYSTEM



STRONGER BRAKE

SQUARE AXIS

BLADES OPTIONS



STANDARD BLADE

PERFORMANCE BLADE

CUBES OPTIONS

AIRCRAFT PIPER - PAWNEE 235/260 - BRAVE

CENTER BOOMS

AGRICULTURAL EQUIPMENT
PAWNEE 235/260
CENTER BOOMS

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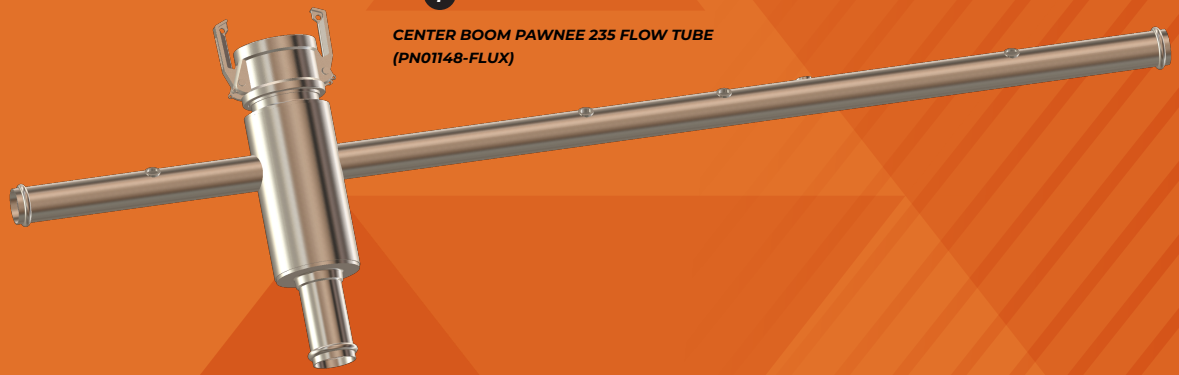
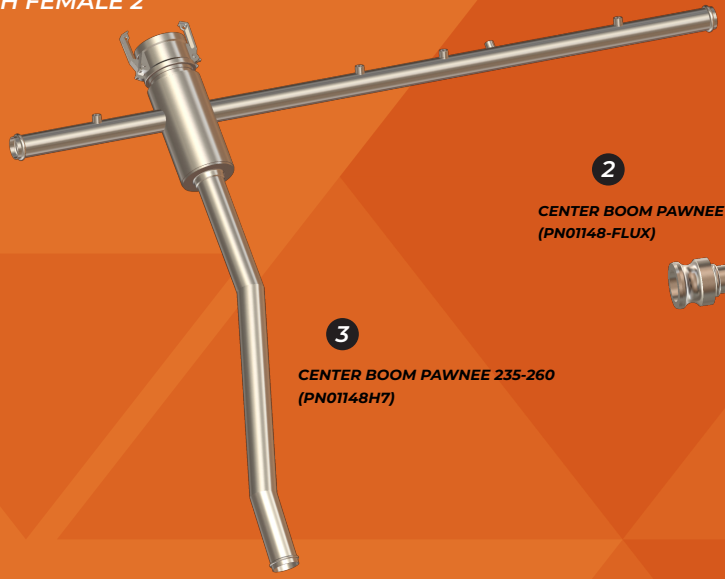
CENTER BOOMS MODEL

HITCH FEMALE 2"

1 CENTER BOOM PAWNEE 235 FLOW TUBE (PN01148-FLUX)



HITCH FEMALE 2"



3 CENTER BOOM PAWNEE 235-260 (PN01148H7)

HITCH FEMALE 2"

2 CENTER BOOM PAWNEE 235 FLOW FEMALE (PN01148-FLUX)

HITCH FEMALE 2"

INFORMATION

- Stainless steel system.
- Robust equipment with high durability.
- Multiple filtration screen options.
- Various connection options for inlet and outlet.
- Special customization options according to customer needs.

Pensacola - FL
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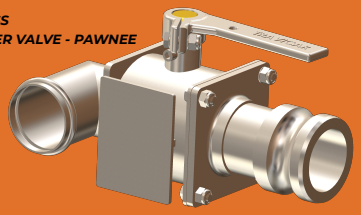
VALVES

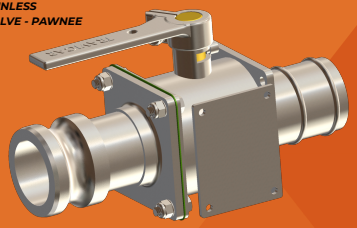
STAINLESS STEEL VALVE MODELS

LOADER VALVE

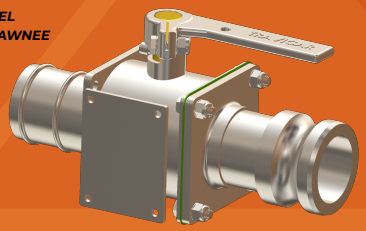
1 90° STAINLESS STEEL LOADER VALVE - PAWNEE (PN01833)



2 STRAIGHT RH STAINLESS STEEL LOADER VALVE - PAWNEE (PN01833-ED)

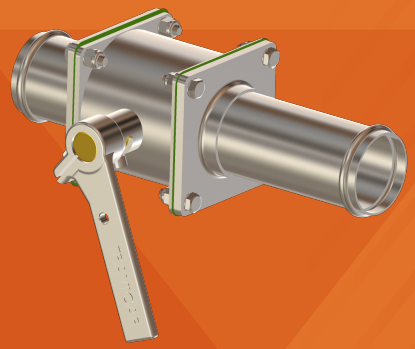


3 90° STAINLESS STEEL LOADER VALVE - PAWNEE (Pn01833)



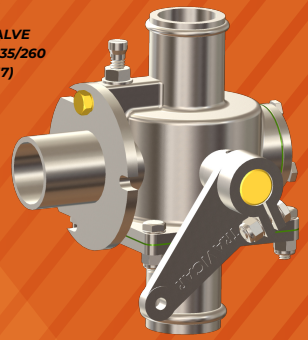
SHUT-OFF VALVE

4 2" PUMP INLET SHUT-OFF VALVE - PAWNEE (PN90133)

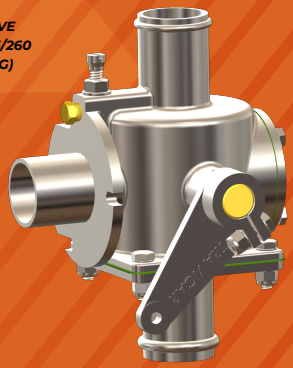


SPRAY CONTROL VALVE

5 BYPASS VALVE PAWNEE 235/260 (PN42616H7)



6 BYPASS VALVE PAWNEE 235/260 (PN42616H7-G)



INFORMATION

Stainless steel system.

Model options to accommodate DGPS accessories.

Bypass valve with venturi system for easy adjustment and convenient access for cleaning.

Flowmeter valves and automatic opening and closing with various configuration options.

Custom connection and mounting options available.

AIRCRAFT PIPER - PAWNEE 235/260 - BRAVE

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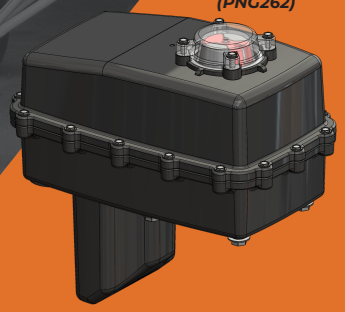
AIRCRAFT PIPER - PAWNEE 235/260 - BRAVE

FLOWMETER

STAINLESS STEEL VALVE MODELS

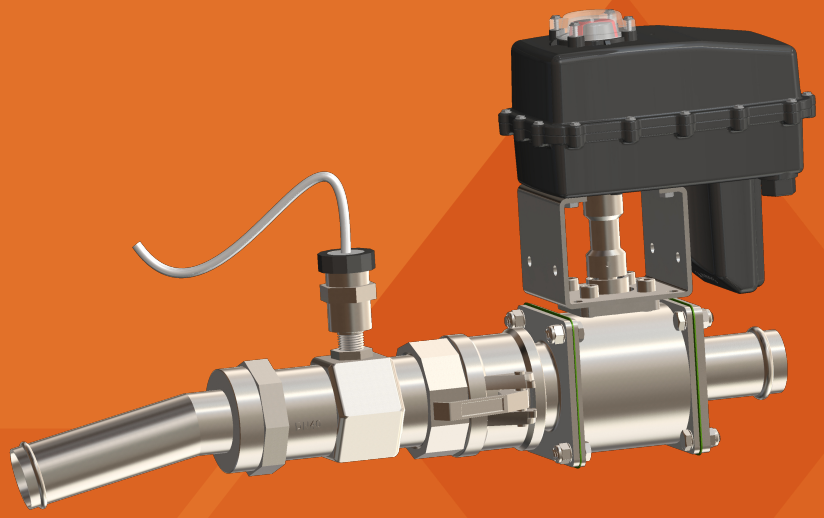
ACTUATOR 1.5 sec
(PNG262)



FLOWMETER

1

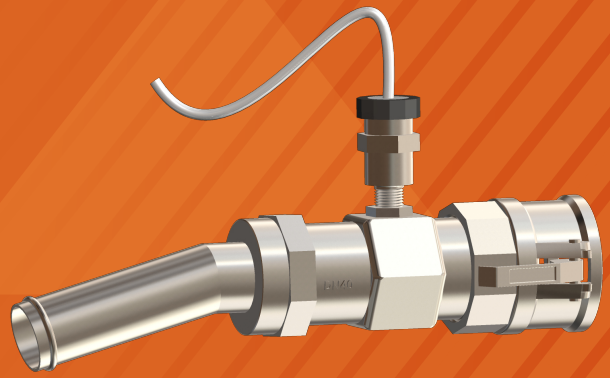
FLOWMETER ASSEMBLY AIRCRAFT DN40
HOSE 1 1.2" 15° - HOSE 1 1.2" - PAWNEE



FLOWMETER

2

FLOWMETER AIRCRAFT DN40
HOSE 1 1.2" 15° - FEMALE 2"



INFORMATION

Stainless steel system.

Model options to accommodate DGPS accessories.

Bypass valve with venturi system for easy adjustment and convenient access for cleaning.

Flowmeter valves and automatic opening and closing with various configuration options.

Custom connection and mounting options available.

PAWNEE 235/260

WIDE-SWATH SPREADER

Pensacola - FL
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WIDE-SWATH SPREADER

WIDE-SWATH SPREADER

1

WIDE-SWATH SPREADER
PIPER PAWNEE
(PN03296)

INFORMATION

Stainless steel system.

Designed for agricultural aircraft solid spreading.

High-resistance laser welding system.

Solid stainless steel riveted structure.

Adjustable mounting system for precise installation.

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AGRICULTURAL EQUIPMENT
BRAVE
STAINLESS STEEL

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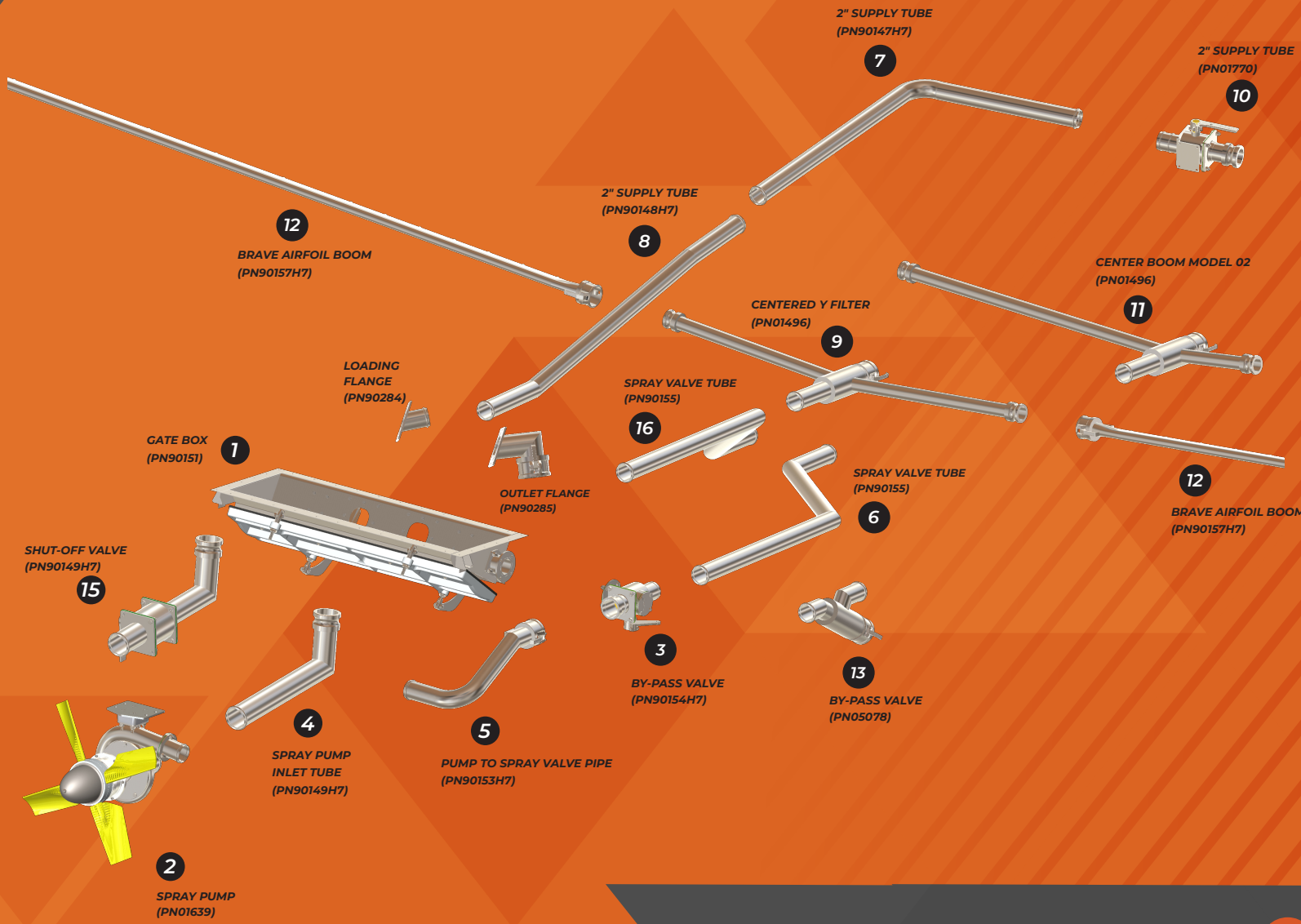

INFORMATION

Stainless Steel System.

Tube, filter, and boom options with 1.5 mm or 2 mm wall thickness.

New braking system for Spray pump.

New blade model for wind-driven pump with length up to 165 mm.

Wind-driven pump available in two model options.

Wind-driven pump with 4, 6, or 8 blade options.

Boom options in 1 1/4" or 1 1/2".

AIRCRAFT PIPER - PAWNEE 235/260 - BRAVE

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BRAVE

AGRICULTURAL EQUIPMENT
BRAVE
FLOW READER

Pensacola - FL
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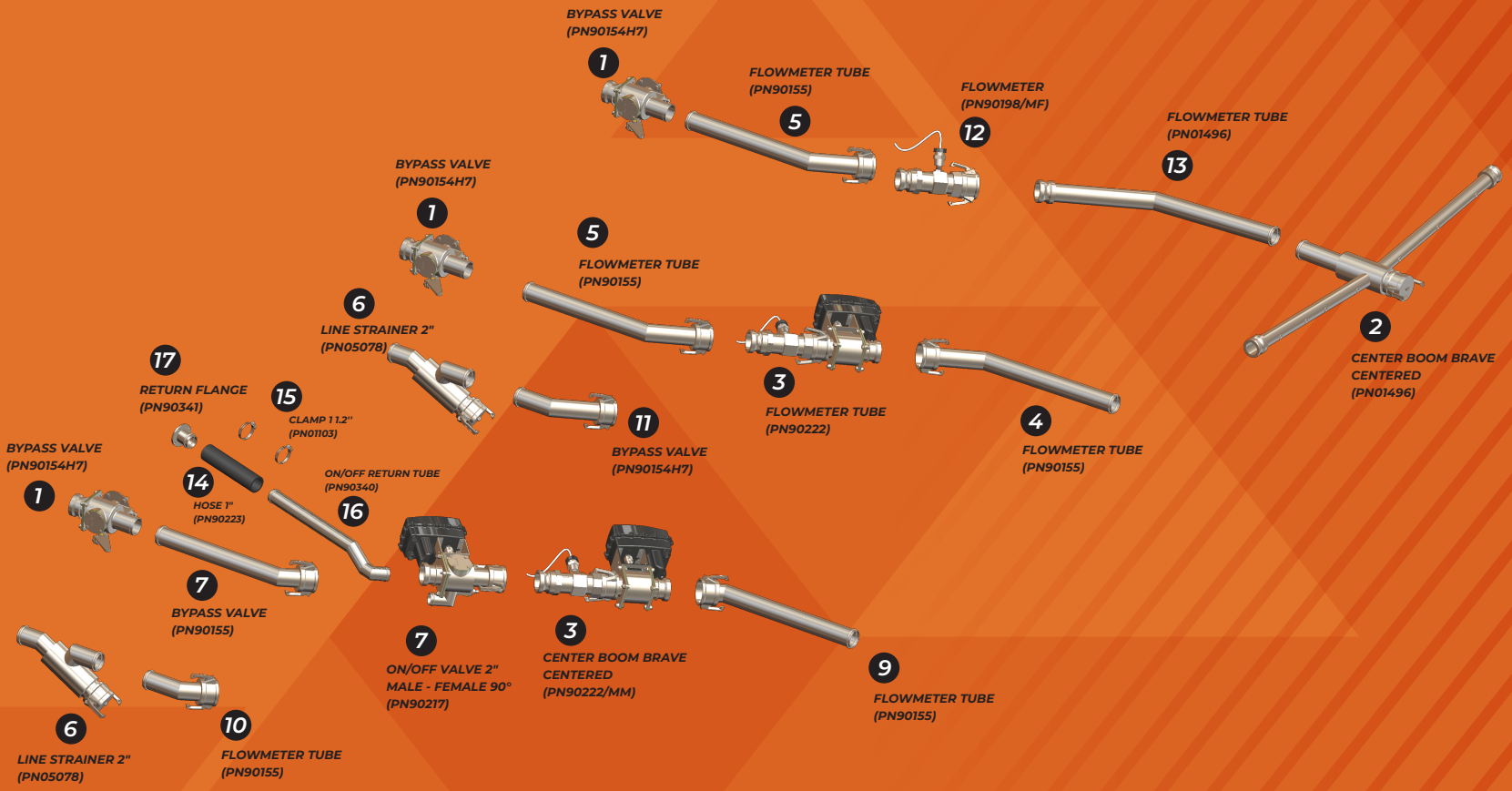

INFORMATION

Stainless Steel System.

Connections between tubes and valves can be made using quick couplings or hose options.

Can be adapted to flowmeters and On/Off valves from different manufacturers.

Tube and filter options with 1.5 mm or 2 mm wall thickness.

BRAVE

FLOW READER

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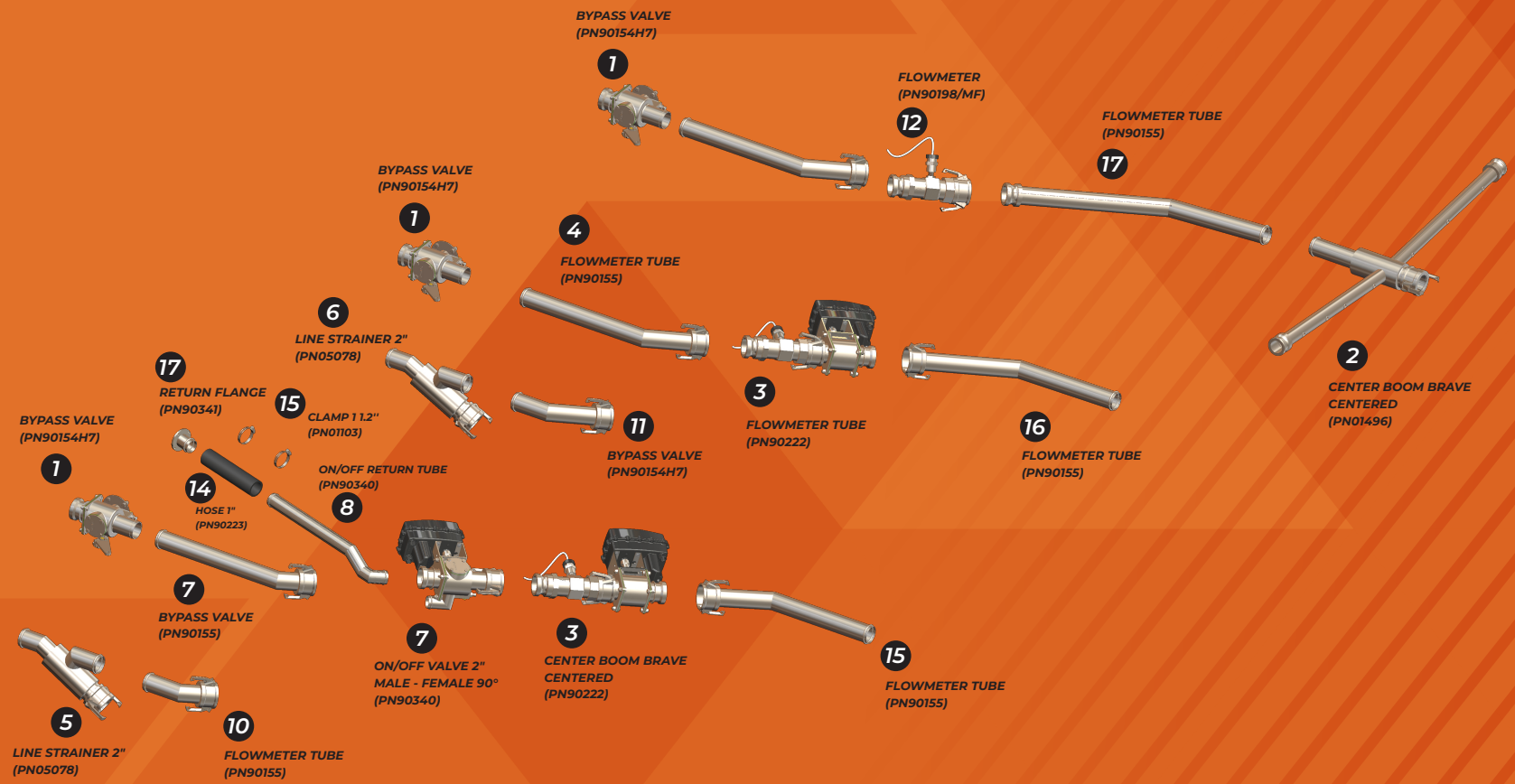

INFORMATION

Stainless Steel System.

Connections between tubes and valves can be made using quick couplings or hose options.

Can be adapted to flowmeters and On/Off valves from different manufacturers.

Tube and filter options with 1.5 mm or 2 mm wall thickness.

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SPRAY PUMP

AGRICULTURAL EQUIPMENT
BRAVE
SPRAY PUMP

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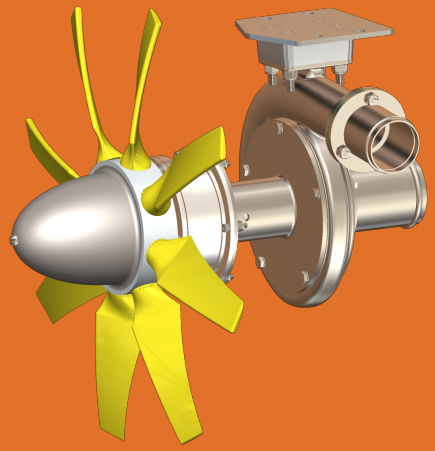
SPRAY PUMP MODELS

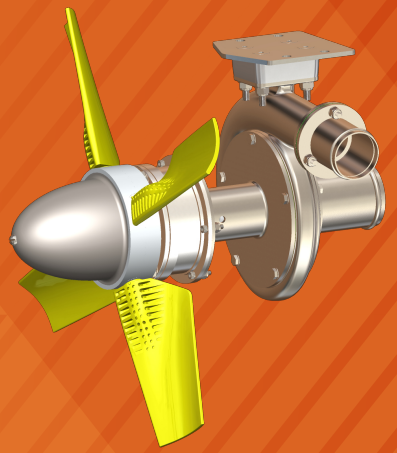


1

SMALL SPRAY PUMP - 130 MM ROTOR
BRAVE (PN01640-8P) - 8 STANDARD BLADES, 147 MM

2

SMALL SPRAY PUMP - 130 MM ROTOR
BRAVE (PN01640-6P) - 6 PERFORMANCE BLADES, 140 MM



3

SMALL SPRAY PUMP - 130 MM ROTOR
BRAVE (PN01640-4P) - 4 PERFORMANCE BLADES, 165 MM

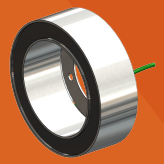
Mechanical seal with options in Tungsten, Graphite or Silicon.

INFORMATION

- Stainless steel system.
- New square shaft system.
- New reinforced braking system.
- New blade design available in three sizes.
- Hub with options for 4, 6, or 8 blades.
- Ready for use with the TRAVICAR DGPS automatic opening and closing system.

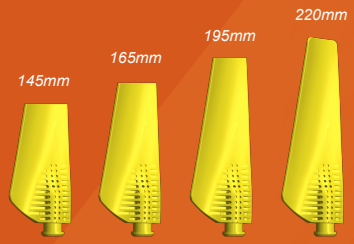
BRAKE SYSTEM

SQUARE AXIS



STRONGER BRAKE

BLADES OPTIONS



STANDARD BLADE

PERFORMANCE BLADE

CUBES OPTIONS

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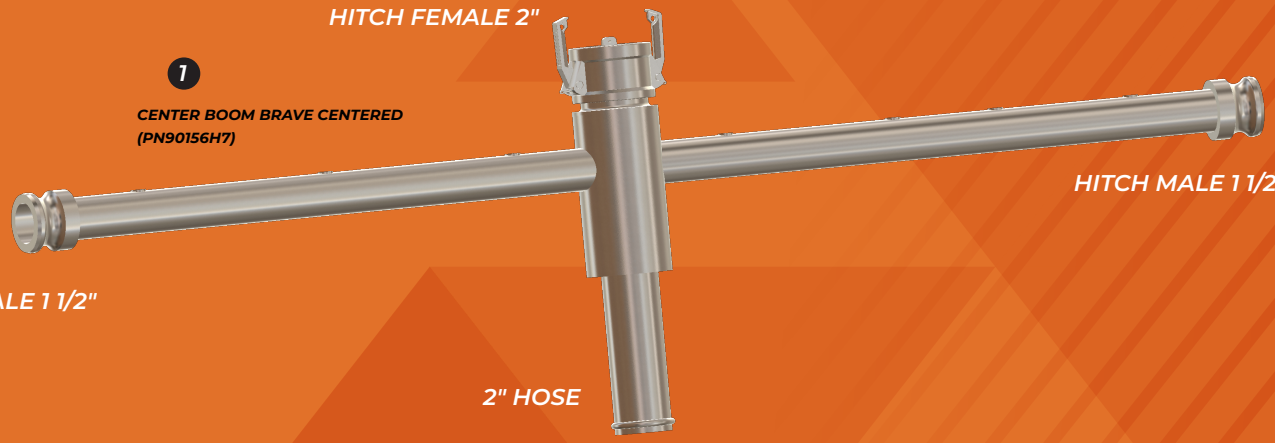
Y FILTER

STAINLESS STEEL Y FILTER MODEL

1

CENTER BOOM BRAVE CENTERED
(PN90156H7)



2

CENTER BOOM BRAVE OFFSET
(PN01496H7)

INFORMATION

Stainless steel system.

Robust equipment with high durability.

Multiple filtration screen options.

Various connection options for inlet and outlet.

Special customization options according to customer needs.

AIRCRAFT PIPER - PAWNEE 235/260 - BRAVE

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1970

VALVES

AIRCRAFT PIPER - PAWNEE 235/260 - BRAVE

STAINLESS STEEL VALVE MODELS

SPRAY CONTROL VALVE

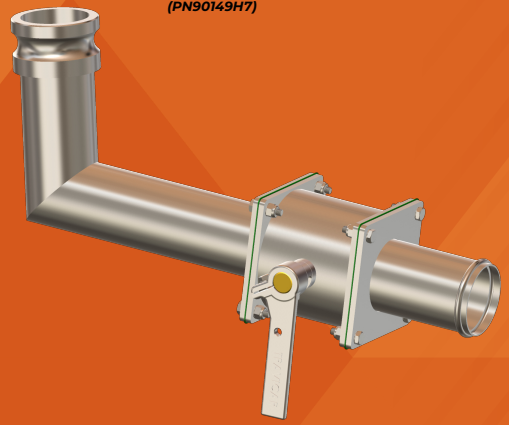
1

BYPASS VALVE
BRAVE 2"
(PN90154H7)

SHUT-OFF VALVE

2

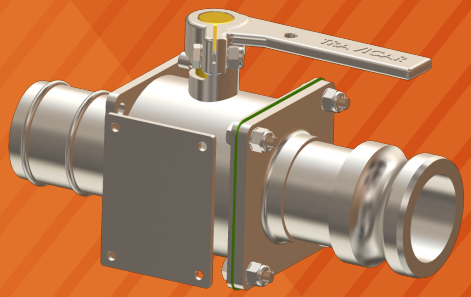
2" SHUT-OFF VALVE
BRAVE
(PN90149H7)



LOADER VALVE

3

2" SUPPLY VALVE - E
BRAVE
(PN01770)



INFORMATION

Stainless steel system.

Model options to accommodate DGPS accessories.

Bypass valve with venturi system for easy adjustment and convenient access for cleaning.

Flowmeter valves and automatic opening and closing with various configuration options.

Custom connection and mounting options available.

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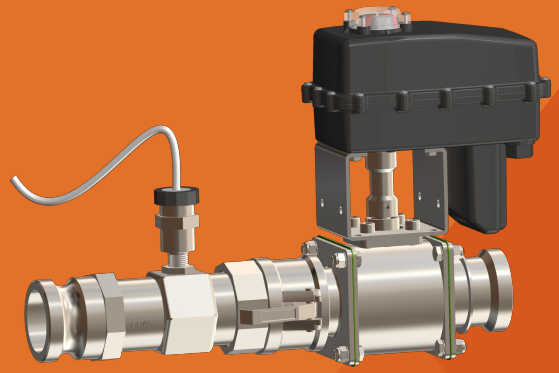
VALVES

STAINLESS STEEL VALVE MODELS

FLOWMETER

1

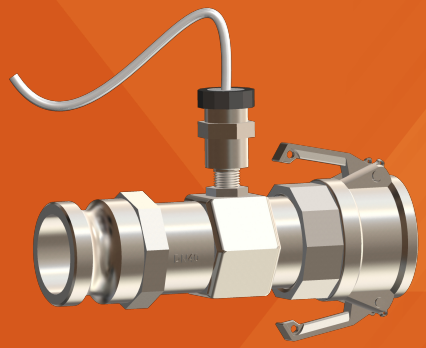
FLOWMETER VALVE
MALE-MALE 2"'
(PN90222/MM)



FLOWMETER

2

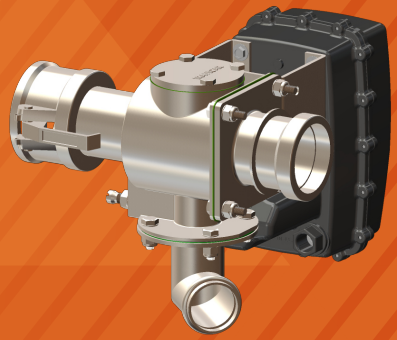
FLOWMETER
MALE-FEMALE
(PN90198/MF)



ON/OFF VALVE

3

ON/OFF VALVE BASE BPI
MALE - FEMALE 2''
(PN90217/MF90)



INFORMATION

Stainless steel system.

Model options to accommodate DGPS accessories.

Bypass valve with venturi system for easy adjustment and convenient access for cleaning.

Flowmeter valves and automatic opening and closing with various configuration options.

Custom connection and mounting options available.

AGRICULTURAL EQUIPMENT

PIPER

AEROFOLIC BAR

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BOOMS

AEROFOLIC BOOM TIP MODELS

BRAVE AIR BOOM
(PN90157H7R-1.1/4) - 1 1/4" NOZZLE
(PN90157H7R-1.1/2) - 1 1/2" NOZZLE
(PN01156H7R) - 1 1/2" ROTARY

1

BRAVE AIR BOOM
(PN90157H7M-1.1/4) - 1 1/4" NOZZLE
(PN90157H7M-1.1/2) - 1 1/2" NOZZLE
(PN01156H7M) - 1 1/2" ROTARY

2

PAWNEE ROUND BOOM 235/260
(PN01234H7R) - 1 1/4" ROUND STEM
(PN01234H7M) - 1 1/4" ROUND STEM

3

4

PAWNEE ROUND BOOM 235/260
(PN01234H7R) - 1 1/4" ROUND
(PN01234H7M) - 1 1/4" ROUND

PAWNEE 235/260 AIR BOOM
(PN06555H7R) - 1 1/4" AIR BOOM NOZZLE
(PN01221H7R) - 1 1/2" ROTARY AIR BOOM

5

6

PAWNEE 235/260 AIR BOOM
(PN090157H7M) - 1 1/4" AIR BOOM NOZZLE
(PN01221H7M) - 1 1/2" ROTARY AIR BOOM

INFORMATION

Stainless steel system.

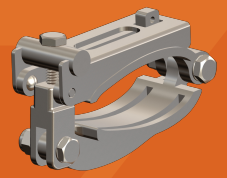
Fully configurable to meet aircraft requirements.

Quick couplings for mounting to the Y filter.

Two orifice options: 1/8" or 1/4".

Two wall thickness options: 1.5 mm or 2 mm.

Optional outlet with 3/4" threaded connection or male coupling.



7

STAINLESS T BAR CAMLOCK
(PN01669NX-2) - 2" BOOMS
(PN01669NX-1.1/2) 1 1/2" BOOMS
(PN01669NX-1.1/4) - 1 1/4" BOOMS

8

STAINLESS T BAR CAMLOCK
(PN01669) - 1 1/4" and 1 1/2" BOOMS

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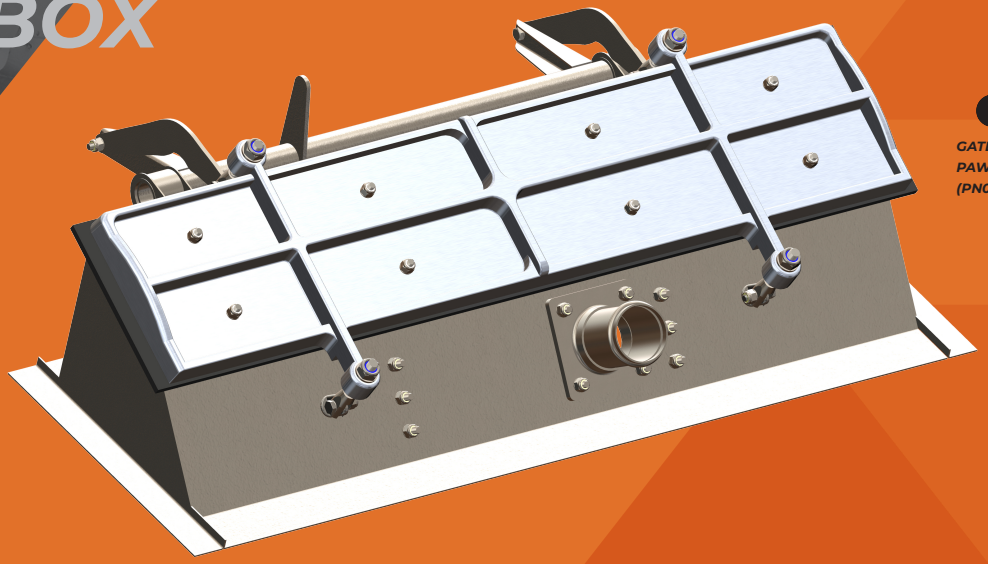
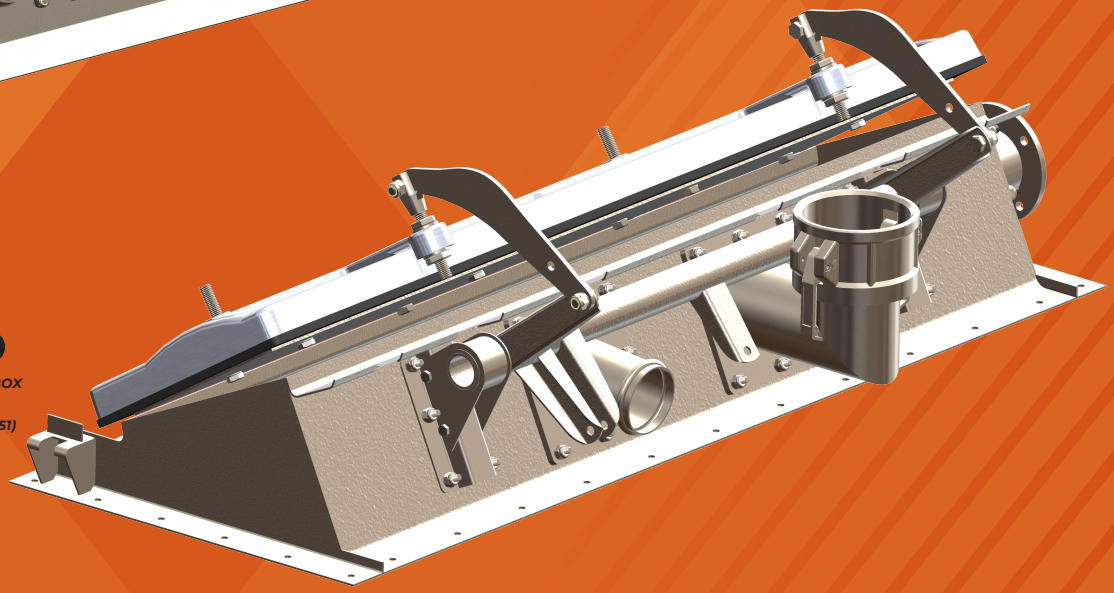
GATE BOX

GATE BOX MODEL



1
GATE BOX
PAWNEE 235/260
(PN01995)



2
GATE BOX
BRAVE
(PN90151)

INFORMATION

Stainless steel system.

Robust equipment with high durability.

Outlet option with 2" flange or 2" shut-off valve.

Various connection options for inlet and outlet.

Special customization options according to customer needs.

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AIRCRAFT
THRUSH
510

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AGRICULTURAL EQUIPMENT
THRUSH
STAINLESS STEEL

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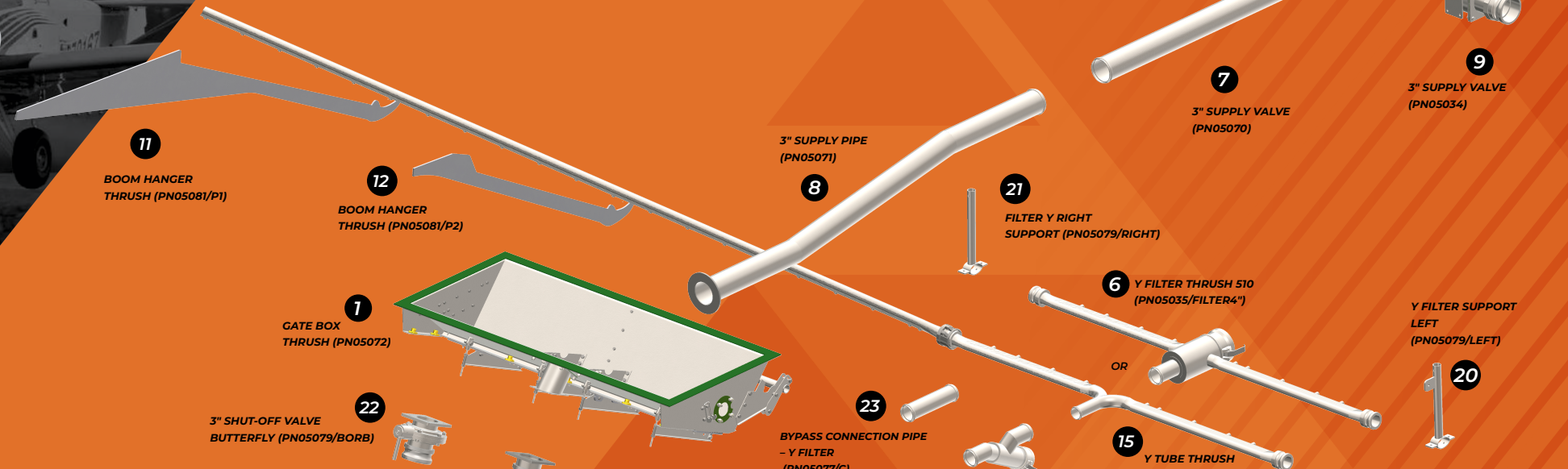
AIRCRAFT THRUSH 510



11 BOOM HANGER THRUSH (PN05081/P1)

12 BOOM HANGER THRUSH (PN05081/P2)

8 3" SUPPLY PIPE (PN05071)

7 3" SUPPLY VALVE (PN05070)

9 3" SUPPLY VALVE (PN05034)

21 FILTER Y RIGHT SUPPORT (PN05079/RIGHT)

6 Y FILTER THRUSH 510 (PN05035/FILTER4")

OR

Y FILTER SUPPORT LEFT (PN05079/LEFT) 20

1 GATE BOX THRUSH (PN05072)

22 3" SHUT-OFF VALVE BUTTERFLY (PN05079/BORB)

23 BYPASS CONNECTION PIPE – Y FILTER (PN05077/C)

15 Y TUBE THRUSH 510

14 OUTLET FLANGE DISPLAY (PN90046)

BYPASS CONNECTION PIPE – Y FILTER (PN05077) 5

16 LINE FILTER (PN05078)

10 AEROFOLIC BOOM THRUSH
(PN07067R)
(PN05036R OR 05036R-1/4)
(PN001859R)
(PN05406R OR 05406R-1/4)

18 SPRAY PUMP SUPPORT (PN90005/SUP)

2 3" HOSE QUICK COUPLING (PN01514NX)

13 BYPASS CONTROL ROD (PN05076)

17 SPRAY PUMP SUPPORT (PN90005/INF)

4 2" BYPASS VALVE THRUSH (PN01725)

19 OUTLET PIPE PUMP - BYPASS (PN05075)

3 SPRAY PUMP THRUSH
(PN05033X-XX-4P) - 8 BLADE
(PN05033X-XX-6P) - 6 BLADE
(PN05033X-XX-8P) - 4 BLADE

INFORMATION

Stainless steel system.

Tube, filter, and bar options with 1.5 mm or 2 mm wall thickness.

New brake system for spray pump.

New blade model for spray pump with lengths up to 220 mm.

Spray pump available in two rotor size options (Large and Small).

Spray pump available with 4, 6, or 8 blades.

Bar options in 1 1/2" or 2".

AGRICULTURAL EQUIPMENT
THRUSH
FLOW READER

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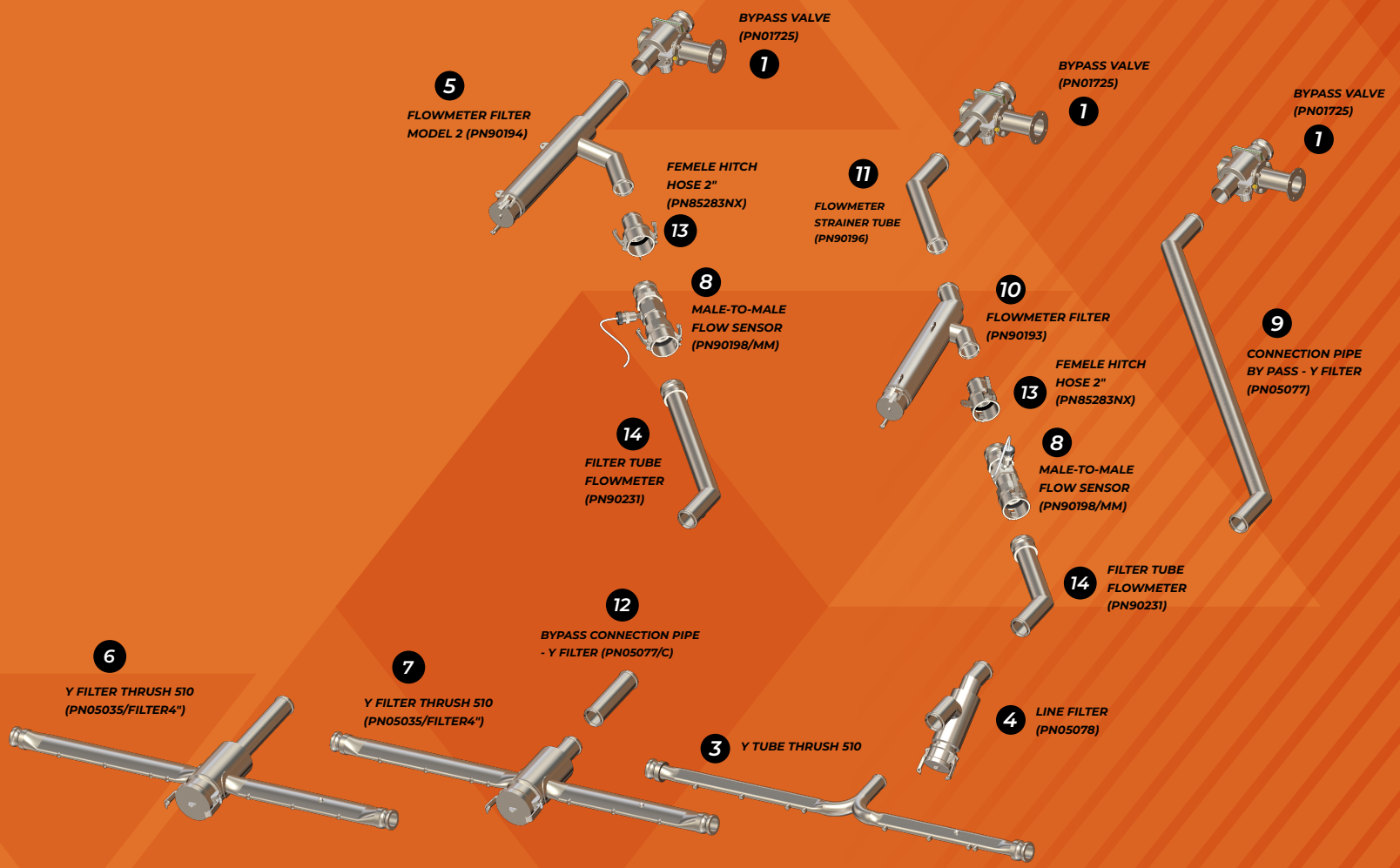
+1 850 876-3860

STAINLESS STEEL VALVE MODELS



INFORMATION

Stainless steel system.

Connection between pipes and valves can be made using quick couplings or hose options.

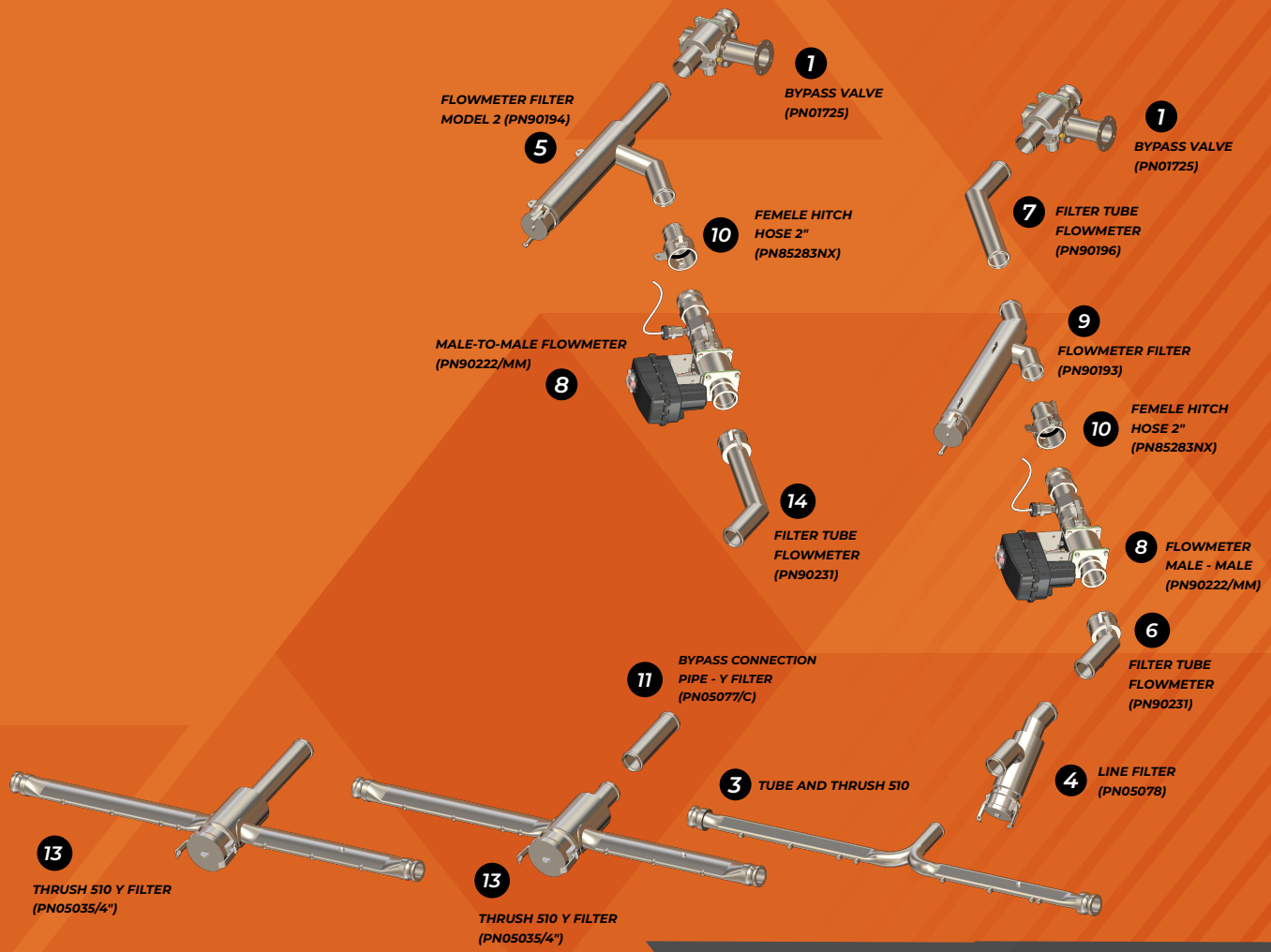
Can be adapted to flowmeters and on/off valves from different manufacturers.

Tube and filter options with 1.5 mm or 2 mm wall thickness.

AGRICULTURAL EQUIPMENT
THRUSH
FLOW READER

Pensacola - FL
+1 850 876-3860

STAINLESS STEEL VALVE MODELS



INFORMATION

Stainless Steel System

Connection between pipes and valves can be made with quick couplings or hose option.

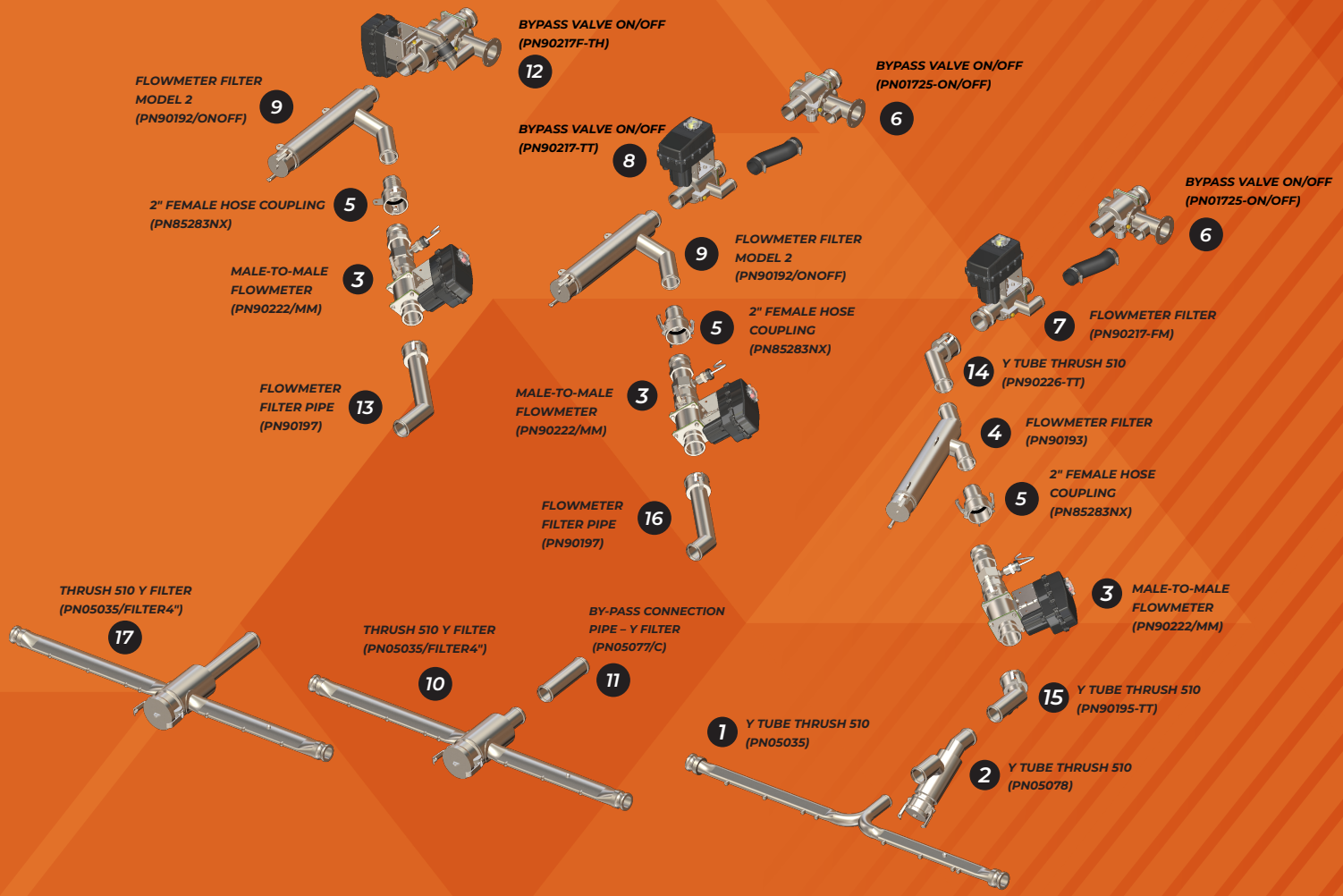
It can be adapted to flowmeters and on/off valves from different manufacturers.

Options for pipes and filters with 1.5mm or 2mm wall thickness.

AGRICULTURAL EQUIPMENT
THRUSH
FLOWMETER AND ON/OFF VALVE

Pensacola - FL
+1 850 876-3860

STAINLESS STEEL VALVE MODELS



INFORMATION

Stainless Steel System

Connection between pipes and valves can be made with quick couplings or hose option.

It can be adapted to flowmeters and on/off valves from different manufacturers.

Options for pipes and filters with 1.5mm or 2mm wall thickness.

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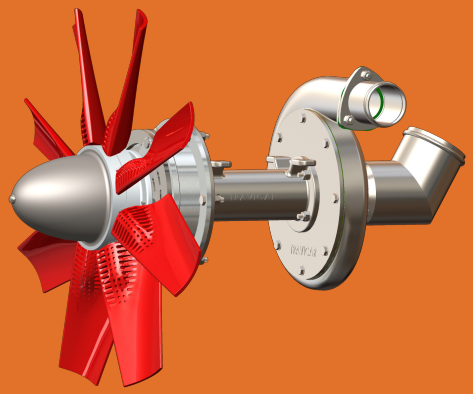
1970

SPRAY PUMP

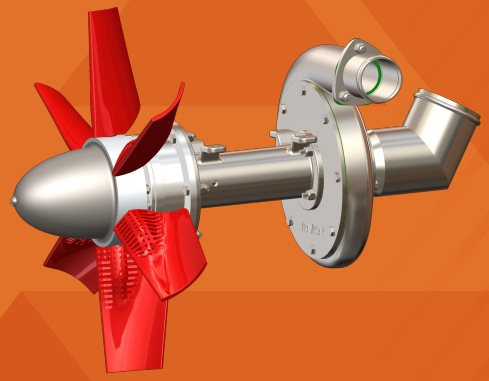
AGRICULTURAL EQUIPMENT
THRUSH
SPRAY PUMP

Pensacola - FL
+1 850 876-3860

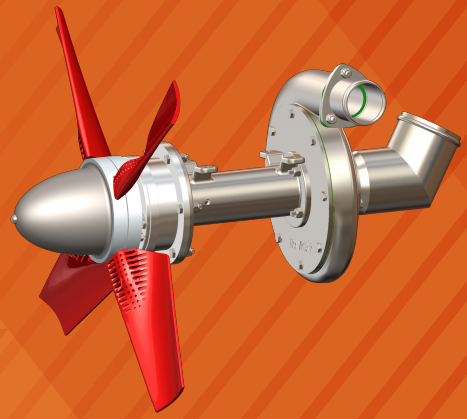
SPRAY PUMP MODELS



1
BIG SPRAY PUMP – 165MM ROTOR
THRUSH (PN05033G-XX-8P) – 8 BLADES, STANDARD 147MM



2
BIG SPRAY PUMP – 165MM ROTOR
THRUSH (PN05033G-XX-6P) – 6 BLADES, PERFORMANCE 140MM



3
BIG SPRAY PUMP – 165MM ROTOR
THRUSH (PN05033G-XX-4P) – 4 BLADES, PERFORMANCE 165MM

Mechanical seal with options in Tungsten, Graphite or Silicon.

INFORMATION

Stainless steel system.

New square shaft system.

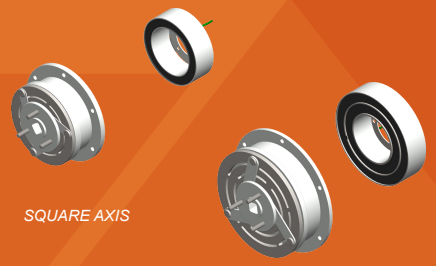
New reinforced braking system.

New blade design available in three sizes.

Hub with options for 4, 6, or 8 blades.

Ready for use with the TRAVICAR DGPS automatic opening and closing system.

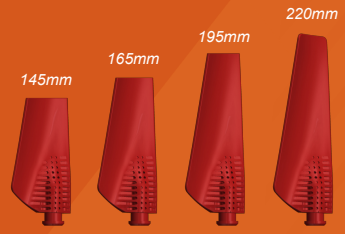
BRAKE SYSTEM



SQUARE AXIS

STRONGER BRAKE

BLADES OPTIONS



STANDARD BLADE

PERFORMANCE BLADE

CUBES OPTIONS

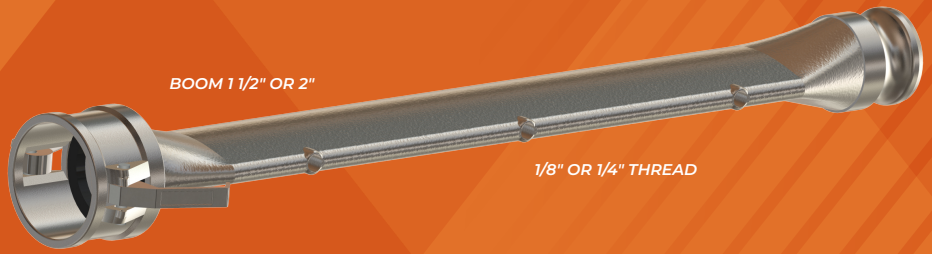
Pensacola - FL
+1 850 876-3860

BOOMS

AEROFOLIC BOOM TIP MODELS

AEROFOLIC BOOM – THRUSH
THRUSH 510 (PN07067R) – 1 1/2" NOZZLE
THRUSH 510 (PN05036R-1/8) – 1 1/2" ROTARY
THRUSH 510 (PN05036R-1/4) – 1 1/2" ROTARY
THRUSH 510 (PN01859R) – 2" NOZZLE
THRUSH 510 (PN05406R-1/8) – 2" ROTARY
THRUSH 510 (PN05406R-1/4) – 2" ROTARY

1

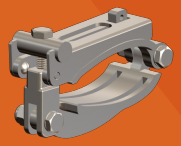


2

AEROFOLIC BOOM – THRUSH
THRUSH 510 (PN07067M) – 1 1/2" NOZZLE
THRUSH 510 (PN05036M-1/8) – 1 1/2" ROTARY
THRUSH 510 (PN05036M-1/4) – 1 1/2" ROTARY
THRUSH 510 (PN01859M) – 2" NOZZLE
THRUSH 510 (PN05406M-1/8) – 2" ROTARY
THRUSH 510 (PN05406M-1/4) – 2" ROTARY

4

STAINLESS STEEL T CAMLOCK FOR BOOM (PN01669) – BOOM 1 1/4" AND 1 1/2"



3

STAINLESS STEEL T BOOMS CAMLOCK
(PN01669NX-2) – BOOM 2"
(PN01669NX-1 1/2) – BOOM 1 1/2"
(PN01669NX-1 1/4) – BOOM 1 1/4"

INFORMATION

Stainless Steel System.

Fully configurable to meet the aircraft's requirements.

Quick couplings for attachment to the Y-Filter.

Two drilling options: 1/8" or 1/4".

Two wall thickness options: 1.5 mm or 2 mm.

Optional outlet with 3/4" thread or male coupling.

Y FILTER

AGRICULTURAL EQUIPMENT
THRUSH
Y FILTER

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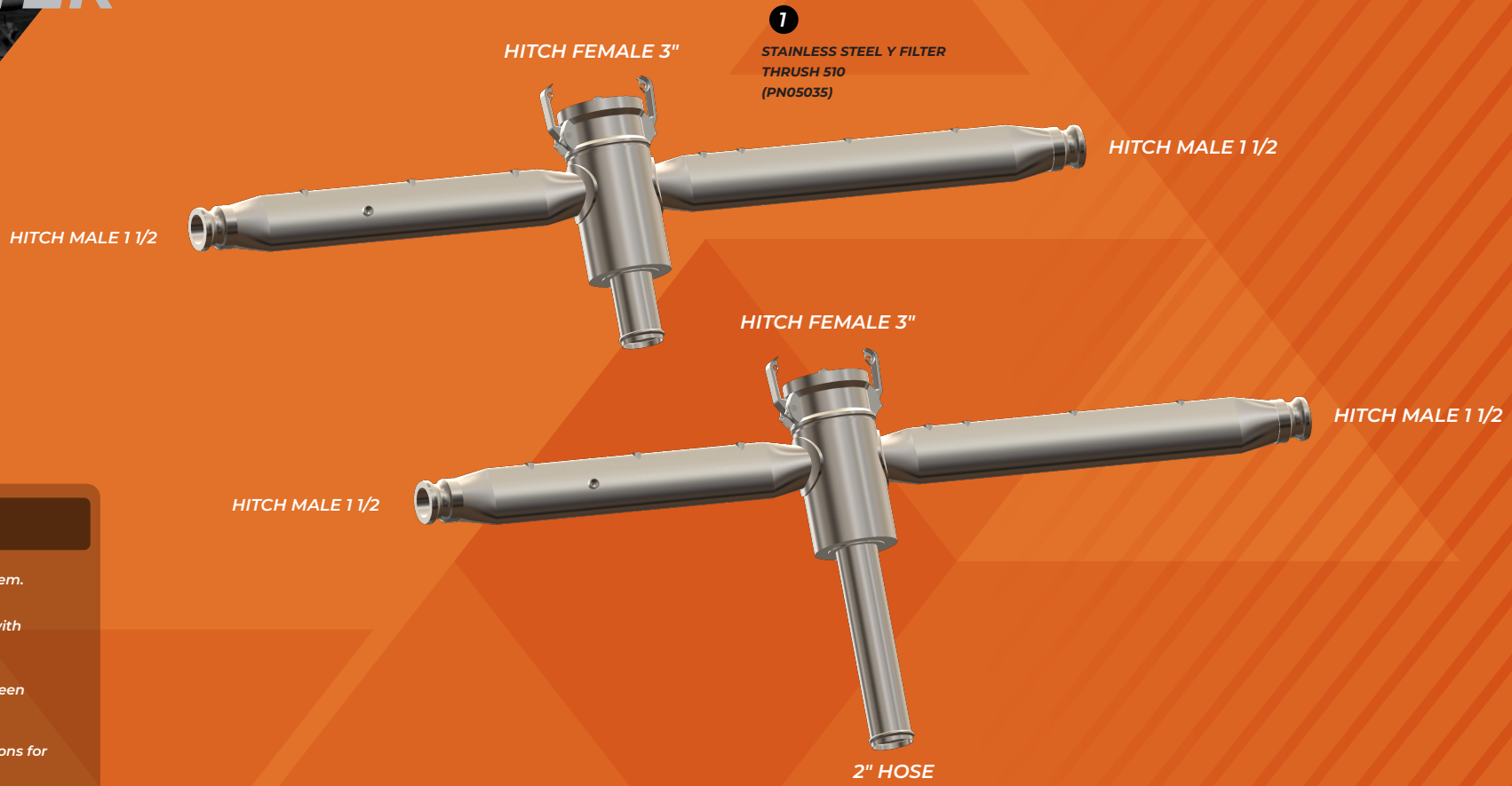
+1 850 876-3860

STAINLESS STEEL Y FILTER MODEL



INFORMATION

Stainless steel system.

Robust equipment with high durability.

Multiple filtration screen options.

Various connection options for inlet and outlet.

Special customization options according to customer needs.

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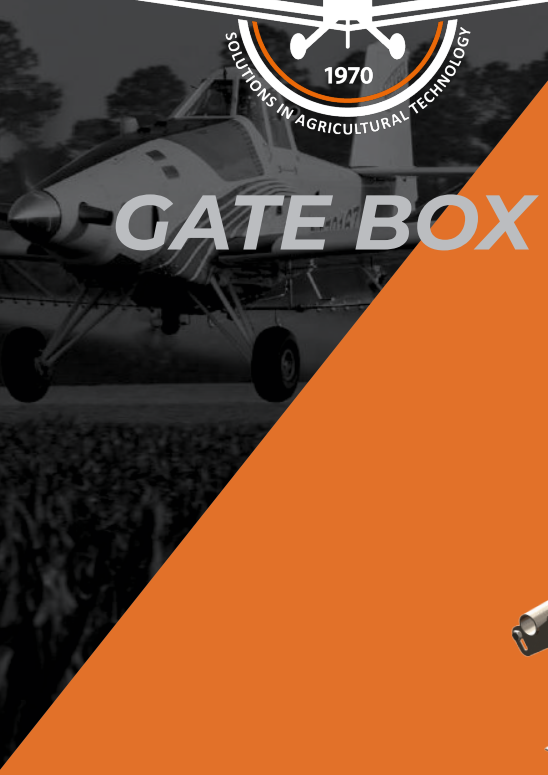
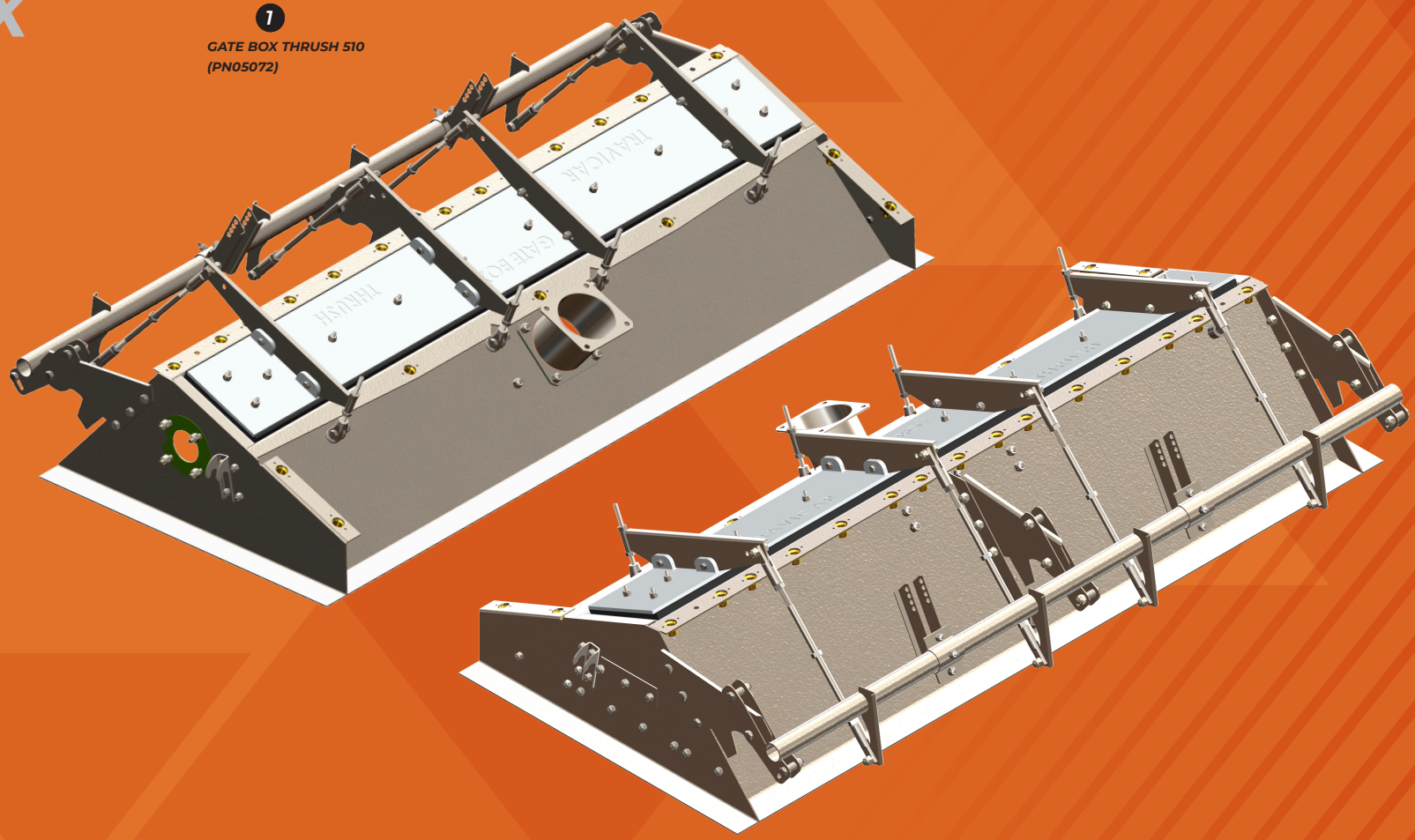


GATE BOX

GATE BOX MODEL

1

GATE BOX THRUSH 510
(PN05072)



INFORMATION

Stainless Steel System.

Robust equipment with high durability.

Outlet option with 3" flange or 3" shut-off valve.

Multiple connection options for inlet and outlet.

Special customization options available according to customer requirements.

AIRCRAFT THRUSH 510

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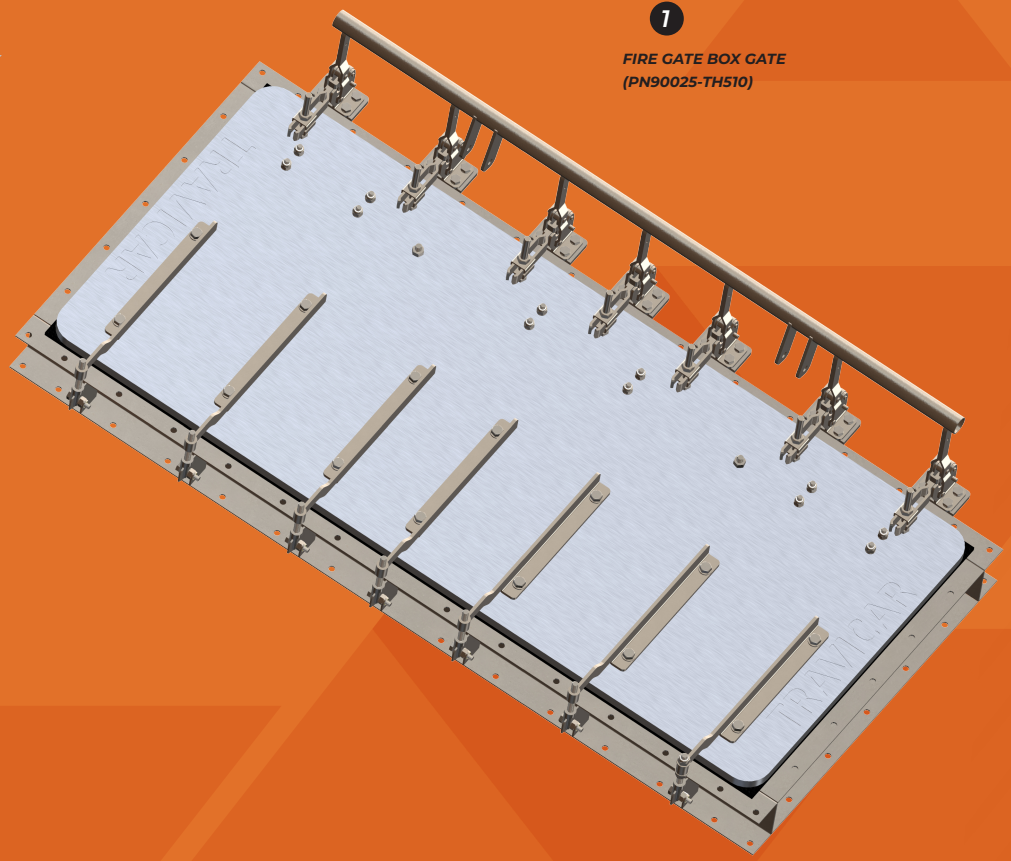
FIRE GATE BOX

FIRE GATE BOX MODEL

1 FIRE GATE BOX GATE (PN90025-TH510)



2 DEMAND VALVE (PN05110)

INFORMATION

- Stainless Steel System.
- Used for firefighting in low foliage density areas.
- Simplified installation.
- Spring system for adjustable lid closure.
- Valve system for air intake into the hopper.

VALVES

AGRICULTURAL EQUIPMENT
THRUSH
VALVES

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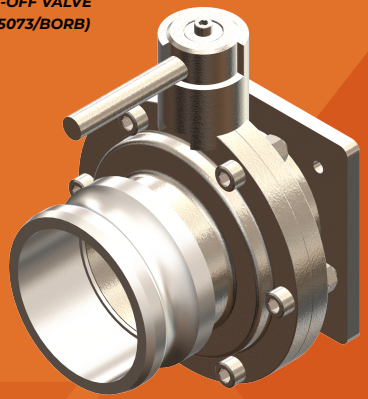
STAINLESS STEEL VALVE MODELS

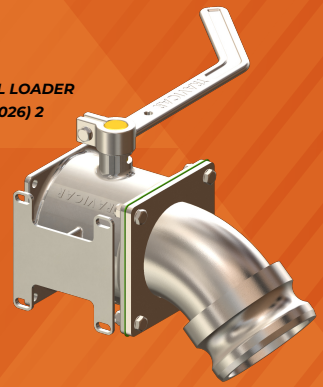
SHUT-OFF VALVE

1 *BUTTERFLY SHUT-OFF VALVE (PN05073/BORB)*

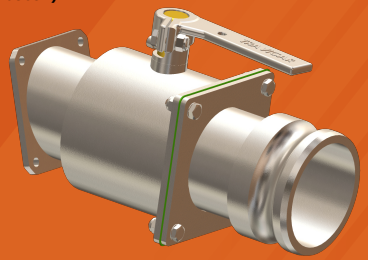


FILLING VALVE

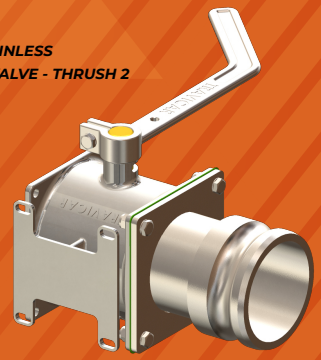
2 *3" STAINLESS STEEL LOADER VALVE - THRUSH (2026) 2 (PN05034)*



3 *3" STAINLESS STEEL LOADER VALVE - THRUSH (2026) 2 (PN05034)*



4 *STRAIGHT 3" STAINLESS STEEL LOADER VALVE - THRUSH 2 (PN05034)*



INFORMATION

Stainless steel system.

Model options to accommodate DGPS accessories.

Bypass valve with venturi system for easy adjustment and convenient access for cleaning.

Flowmeter valves and automatic opening and closing with various configuration options.

Custom connection and mounting options available.

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BYPASS

AGRICULTURAL EQUIPMENT
THRUSH
VALVES

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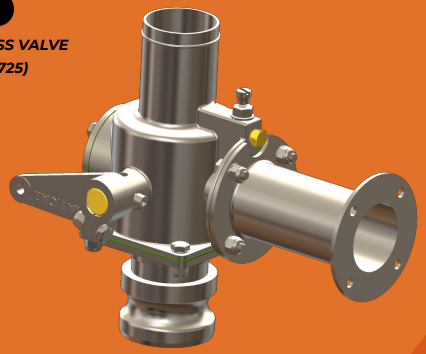
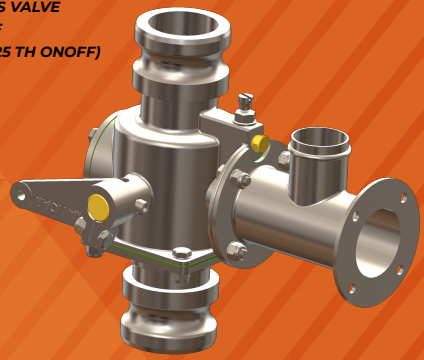
STAINLESS STEEL VALVE MODELS

1 BYPASS VALVE (PN01725)



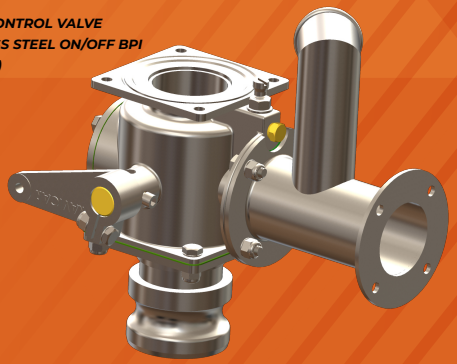
2 SPRAY CONTROL VALVE STAINLESS STEEL 2" (PN01725)

3 BY PASS VALVE ON/OFF (PN01725 TH ONOFF)



4 SPRAY CONTROL VALVE ON/OFF STAINLESS STEEL 2 (PN01725)

5 SPRAY CONTROL VALVE STAINLESS STEEL ON/OFF BPI (PN01725)



INFORMATION

Stainless steel system.

Model options to accommodate DGPS accessories.

Bypass valve with venturi system for easy adjustment and convenient access for cleaning.

Flowmeter valves and automatic opening and closing with various configuration options.

Custom connection and mounting options available.

VALVES

AGRICULTURAL EQUIPMENT
THRUSH
VALVES

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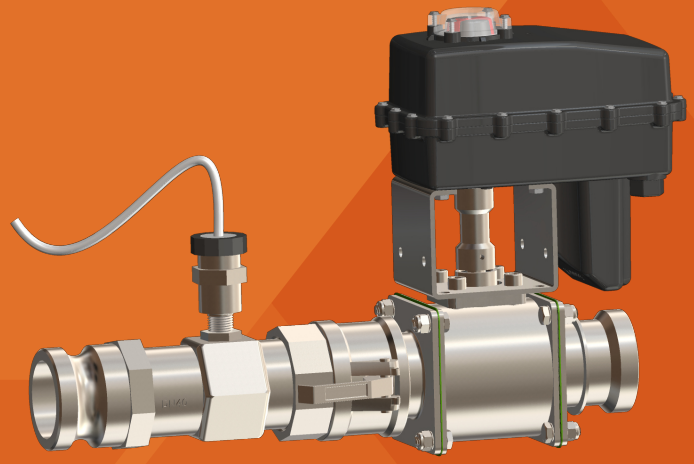
STAINLESS STEEL VALVE MODELS

FLOWMETER

1

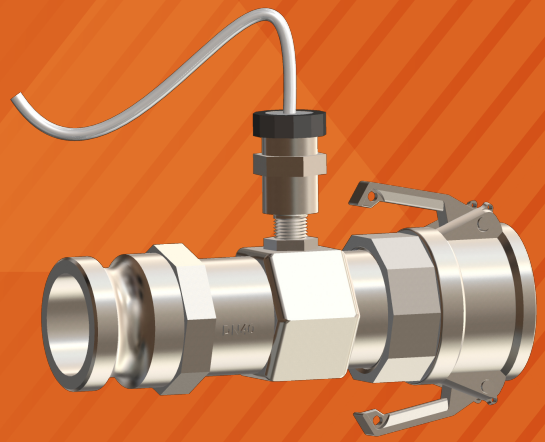
FLOWMETER
MALE - MALE 2"
(PN90222/MM)



FLOWMETER

2

FLOW SENSOR
MALE - MALE 2"
(PN90198/MM)



INFORMATION

Stainless steel system.

Model options to accommodate DGPS accessories.

Bypass valve with venturi system for easy adjustment and convenient access for cleaning.

Flowmeter valves and automatic opening and closing with various configuration options.

Custom connection and mounting options available.

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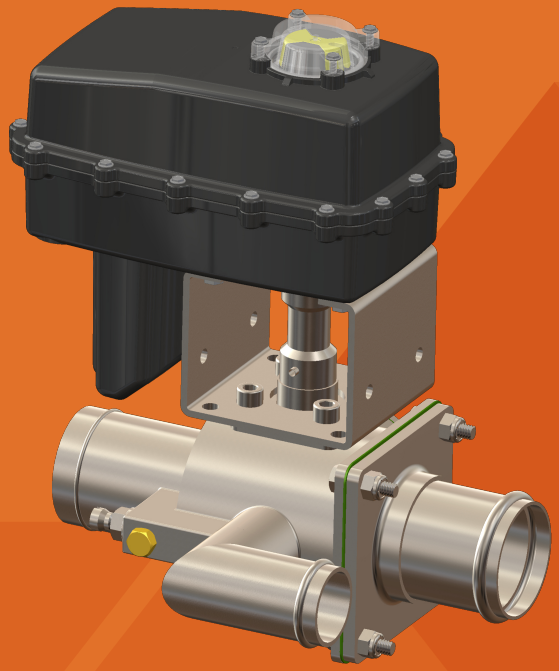
STAINLESS STEEL VALVE MODELS ON/OFF

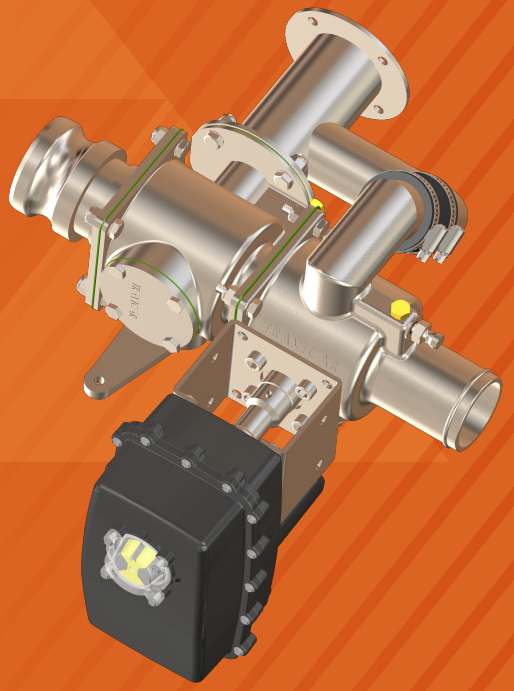
1

MALE ON/OFF VALVE (PN90217/RM)



2

ON/OFF VALVE HOSE (PN90217/F)



INFORMATION

Stainless steel system.

Model options to accommodate DGPS accessories.

Bypass valve with venturi system for easy adjustment and convenient access for cleaning.

Flowmeter valves and automatic opening and closing with various configuration options.

Custom connection and mounting options available.

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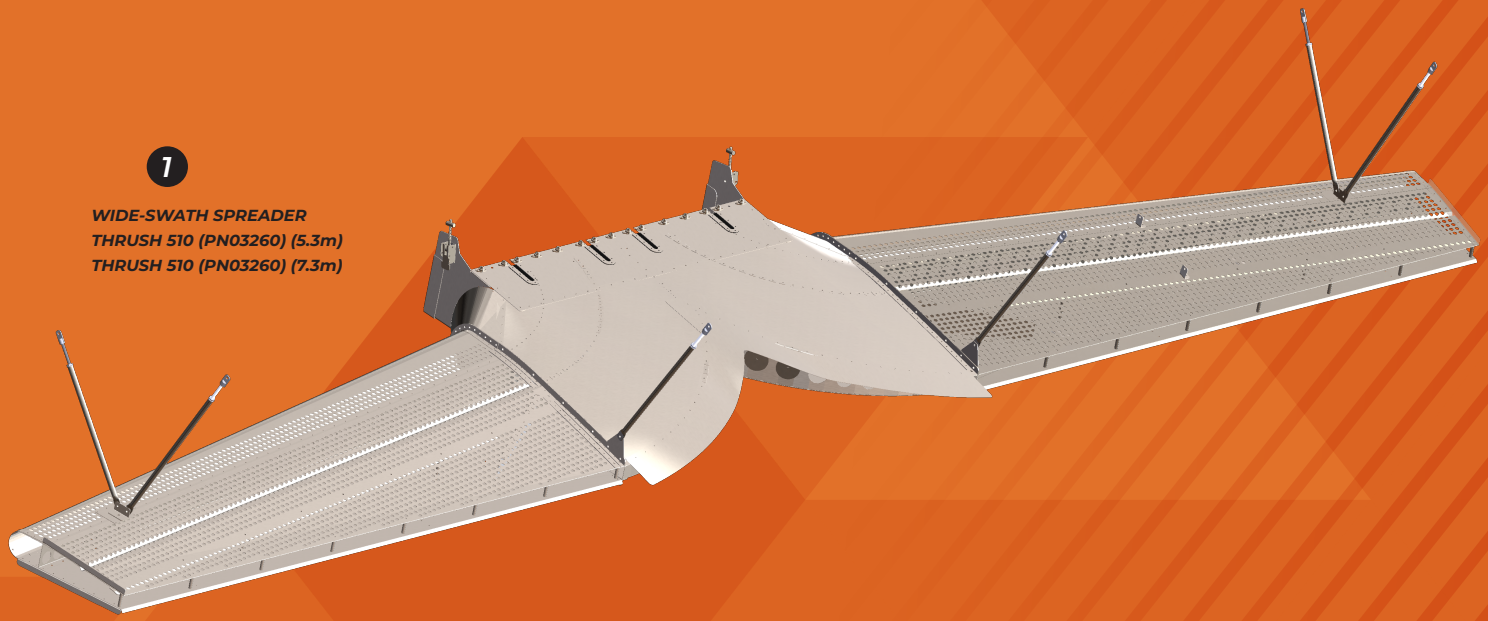
WIDE-SWATH SPREADER

AIRCRAFT THRUSH 510

WIDE-SWATH SPREADER

1

WIDE-SWATH SPREADER
THRUSH 510 (PN03260) (5.3m)
THRUSH 510 (PN03260) (7.3m)



INFORMATION

Stainless steel system.

Designed for agricultural aircraft solid spreading.

High-resistance laser welding system.

Solid stainless steel riveted structure.

Adjustable mounting system for precise installation.

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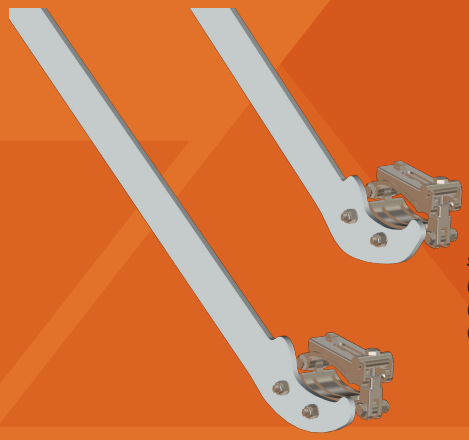
BOOM HANGER

BOOM HANGERS

1

LONG BOOM HANGER
(PN90217)



2

STAINLESS STEEL T CAMLOCK – SPRAY BOOMS
(PN01669NX-2) – 2" SPRAY BOOMS
(PN01669NX-1.1/2) – 1 1/2" SPRAY BOOMS
(PN01669NX-1.1/4) – 1 1/4" SPRAY BOOMS

INFORMATION

Stainless Steel System.

Simplified installation.

Spring system for adjustable lid closure.

Models T Camlock - Spray Booms.

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AIRCRAFT
DROMADER

TRAVICAR
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1970

DROMADER

AGRICULTURAL EQUIPMENT
DROMADER
STAINLESS STEEL

Pensacola - FL
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Mechanical seal with options in Tungsten, Graphite or Silicon.

INFORMATION
Stainless steel system.
New square shaft system.
New reinforced braking system.
New blade design available in three sizes.
Hub with options for 4, 6, or 8 blades.
Ready for use with the TRAVICAR DGPS automatic opening and closing system.

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1970

SPRAY PUMP

AGRICULTURAL EQUIPMENT
DROMADER
SPRAY PUMP

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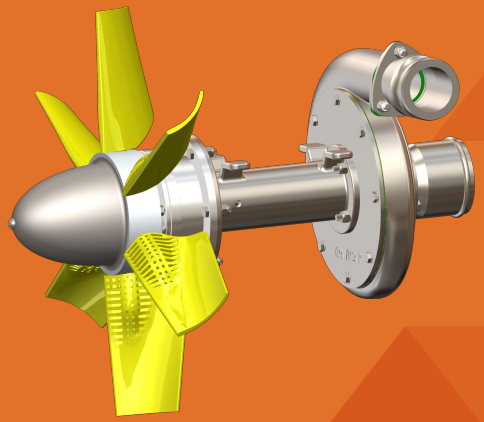
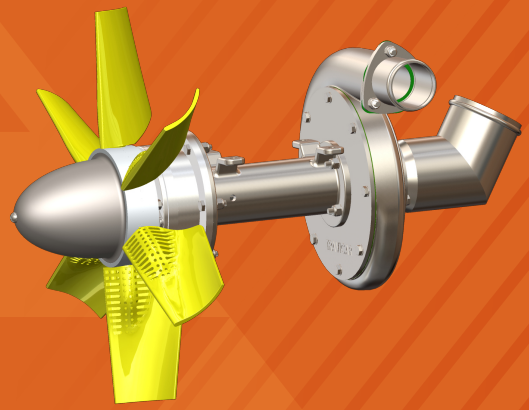
SPRAY PUMP MODELS



1

BIG SPRAY PUMP – 165MM ROTOR
THRUSH (PN05033G-XX-8P) – 8 BLADES, STANDARD 147MM



2

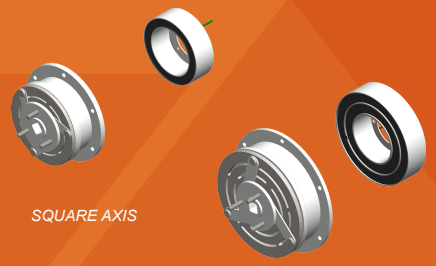
BIG SPRAY PUMP – 165MM ROTOR
THRUSH (PN05033G-XX-6P) – 6 BLADES, PERFORMANCE 140MM

Mechanical seal with options in Tungsten, Graphite or Silicon.

INFORMATION

- Stainless steel system.
- New square shaft system.
- New reinforced braking system.
- New blade design available in three sizes.
- Hub with options for 4, 6, or 8 blades.
- Ready for use with the TRAVICAR DGPS automatic opening and closing system.

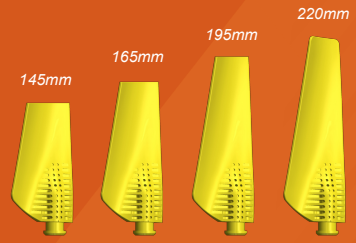
BRAKE SYSTEM



SQUARE AXIS

STRONGER BRAKE

BLADES OPTIONS



STANDARD BLADE

PERFORMANCE BLADE

CUBES OPTIONS

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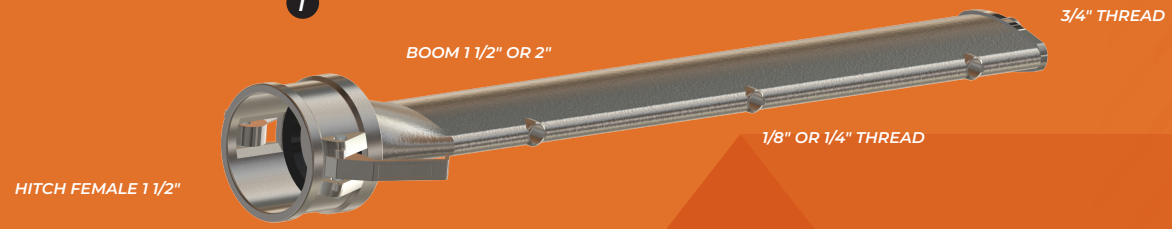
BOOMS

AEROFOLIC BOOM TIP MODELS

AEROFOLIC BOOM – THRUSH
THRUSH 510 (PN07067R) – 1 1/2" NOZZLE
THRUSH 510 (PN05036R-1/8) – 1 1/2" ROTARY
THRUSH 510 (PN05036R-1/4) – 1 1/2" ROTARY
THRUSH 510 (PN01859R) – 2" NOZZLE
THRUSH 510 (PN05406R-1/8) – 2" ROTARY
THRUSH 510 (PN05406R-1/4) – 2" ROTARY

1

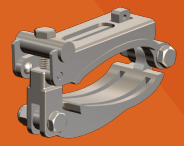


4

STAINLESS STEEL T CAMLOCK FOR BOOM
(PN01669) – BOOM 1 1/4" AND 1 1/2"

2

AEROFOLIC BOOM – THRUSH
THRUSH 510 (PN07067M) – 1 1/2" NOZZLE
THRUSH 510 (PN05036M-1/8) – 1 1/2" ROTARY
THRUSH 510 (PN05036M-1/4) – 1 1/2" ROTARY
THRUSH 510 (PN01859M) – 2" NOZZLE
THRUSH 510 (PN05406M-1/8) – 2" ROTARY
THRUSH 510 (PN05406M-1/4) – 2" ROTARY



3

STAINLESS STEEL T BOOMS CAMLOCK
(PN01669NX-2) – BOOM 2"
(PN01669NX-1 1/2) – BOOM 1 1/2"
(PN01669NX-1 1/4) – BOOM 1 1/4"

INFORMATION

Stainless Steel System.

Fully configurable to meet the aircraft's requirements.

Quick couplings for attachment to the Y-Filter.

Two drilling options: 1/8" or 1/4".

Two wall thickness options: 1.5 mm or 2 mm.

Optional outlet with 3/4" thread or male coupling.

Y FILTER

AGRICULTURAL EQUIPMENT
DROMADER
Y FILTER

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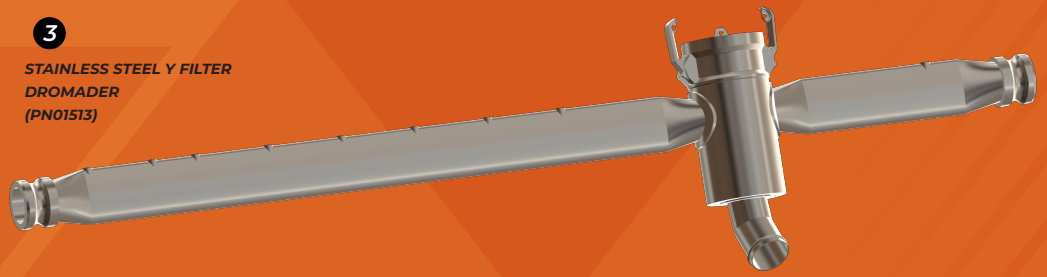
STAINLESS STEEL Y FILTER MODEL

1 STAINLESS STEEL Y FILTER DROMADER (PN01513)

2 STAINLESS STEEL Y FILTER DROMADER (PN01513)

3 STAINLESS STEEL Y FILTER DROMADER (PN01513)



INFORMATION

- Stainless steel system.
- Robust equipment with high durability.
- Multiple filtration screen options.
- Various connection options for inlet and outlet.
- Special customization options according to customer needs.

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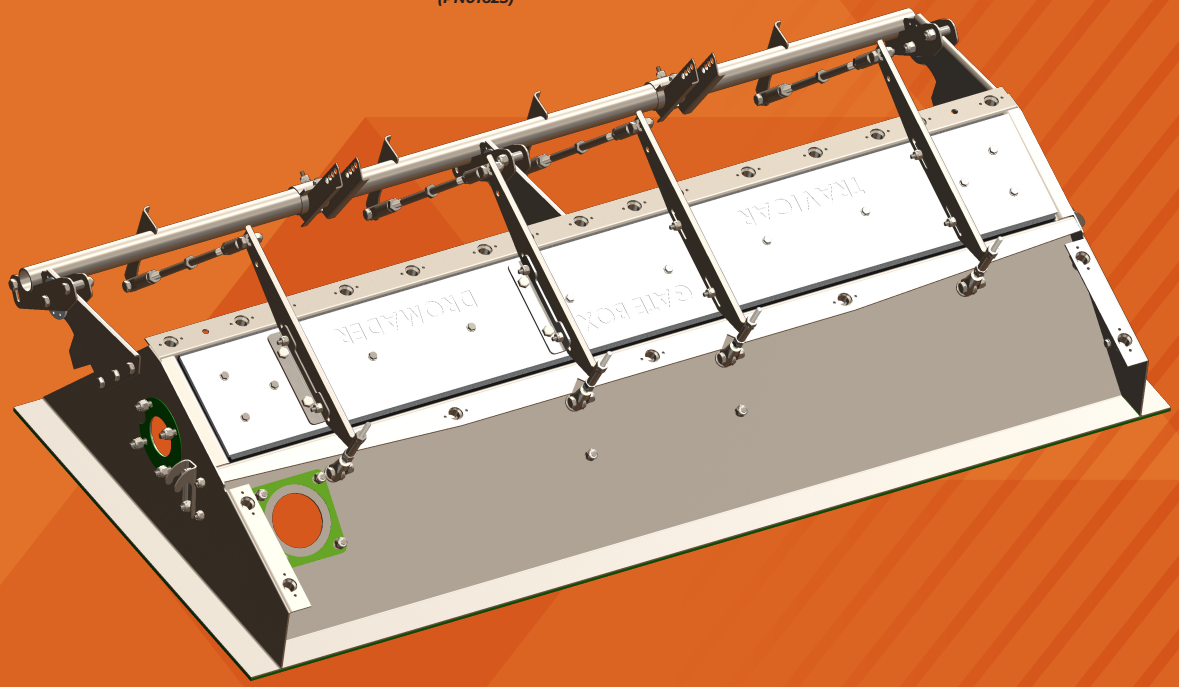
GATE BOX

GATE BOX

1

GATE BOX DROMADER
(PN01623)



INFORMATION

Stainless steel system.

Robust equipment with high durability.

Multiple filtration screen options.

Various connection options for inlet and outlet.

Special customization options according to customer needs.

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FIRE GATE BOX

AGRICULTURAL EQUIPMENT
DROMADER
FIRE GATE BOX

Pensacola - FL
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FIRE GATE BOX MODEL

1 FIRE GATE BOX (PN90025)

2 DEMAND VALVE (PN05110)

INFORMATION

- Stainless Steel System.
- Used for firefighting in low foliage density areas.
- Simplified installation.
- Spring system for adjustable lid closure.
- Valve system for air intake into the hopper.

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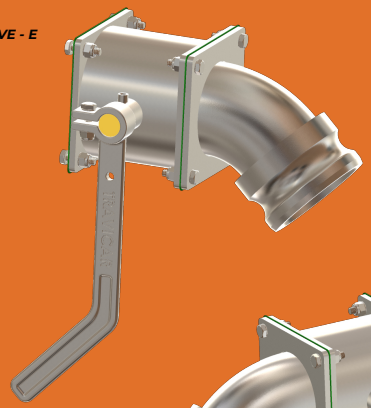
VALVES

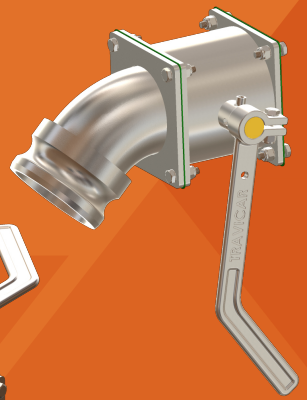
STAINLESS STEEL VALVE MODELS

LOADER VALVE

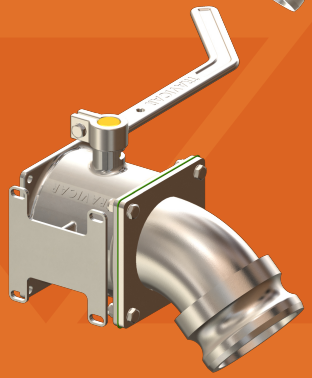
1 *2" LOADER VALVE - E DROMADER (PN01770H7)*



2 *2" LOADER VALVE - E DROMADER (PN01526)*

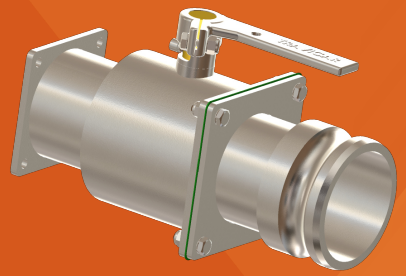


3 *3" LOADER VALVE DROMADER (PN05034)*



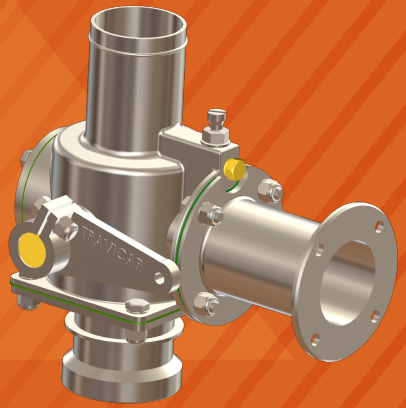
SHUT-OFF VALVE

4 *2" SHUT-OFF VALVE DROMADER 3" (PN01512)*



SPRAY CONTROL VALVE

5 *2" SPRAY CONTROL VALVES (PN90154H7)*



INFORMATION

Stainless steel system.

Model options to accommodate DGPS accessories.

Bypass valve with venturi system for easy adjustment and convenient access for cleaning.

Flowmeter valves and automatic opening and closing with various configuration options.

Custom connection and mounting options available.

AGRICULTURAL EQUIPMENT
DROMADER
VALVES

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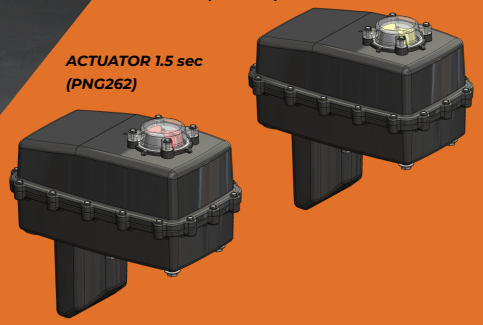
FLOWMETER

STAINLESS STEEL VALVE MODELS

ACTUATOR 0.5 sec
(PNG264)

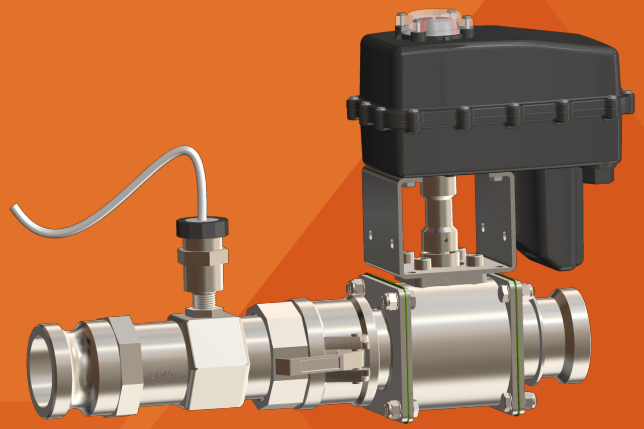
ACTUATOR 1.5 sec
(PNG262)



FLOWMETER

1

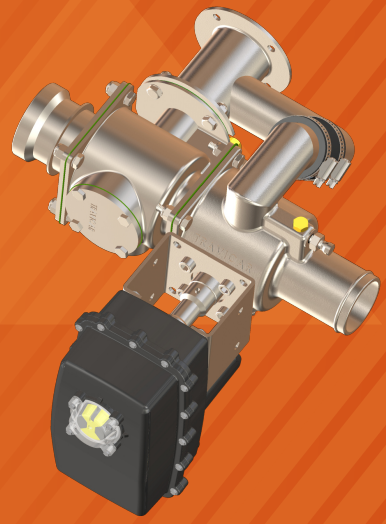
ON/OFF VALVE 2''
FLANGE - HOSE 90°
(PN90217F)



FLOWMETER

2

FLOWMETER ASSEMBLY
AIRCRAFT DN40 MALE - MALE 2''
(PN90222/MM)



INFORMATION

Stainless steel system.

Model options to accommodate DGPS accessories.

Flowmeter valves and automatic opening and closing with various configuration options.

Custom connection and mounting options available.

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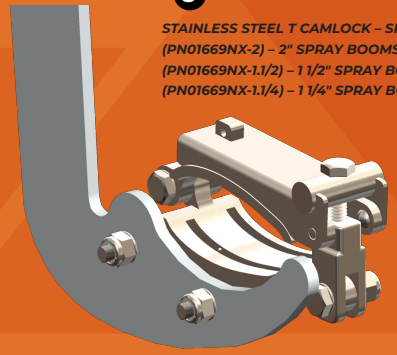
BOOM HANGER

BOOM HANGER

1
LONG BOOM HANGER
(PN90217)

2
BOOM HANGER
(PN01553)

3
STAINLESS STEEL T CAMLOCK – SPRAY BOOMS
(PN01669NX-2) – 2" SPRAY BOOMS
(PN01669NX-1.1/2) – 1 1/2" SPRAY BOOMS
(PN01669NX-1.1/4) – 1 1/4" SPRAY BOOMS



INFORMATION

Stainless Steel System.

Simplified installation.

Spring system for adjustable lid closure.

Models T Camlock - Spray Booms.

AIRCRAFT DROMADER

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AIRCRAFT
GRUMMAN

SPRAY PUMP

AGRICULTURAL EQUIPMENT
GRUMMAN
SPRAY PUMP

Pensacola - FL
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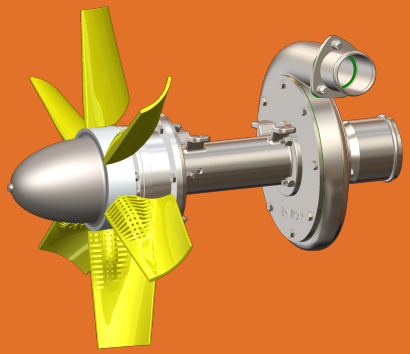
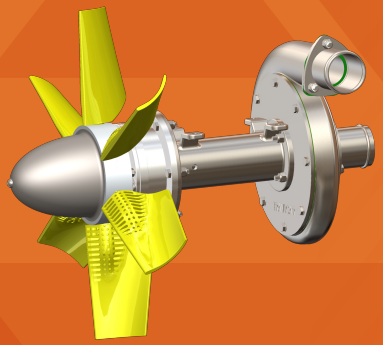
SPRAY PUMP MODELS



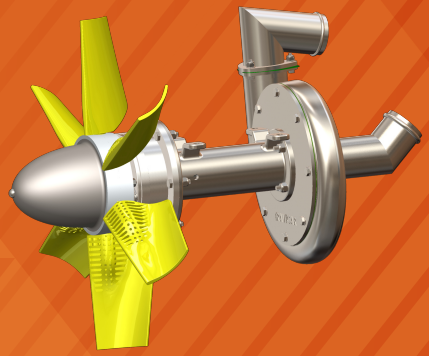
1

BIG SPRAY PUMP – 165MM ROTOR
THRUSH (PN05033G-XX-8P) – 8 BLADES, STANDARD 147MM



2

BIG SPRAY PUMP – 165MM ROTOR
THRUSH (PN05033G-XX-8P) – 8 BLADES, STANDARD 147MM



3

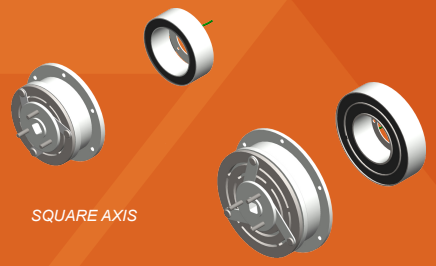
BIG SPRAY PUMP – 165MM ROTOR
GRUMMAN (PN20811) – 6 BLADES, PERFORMANCE 140MM

Mechanical seal with options in Tungsten, Graphite or Silicon.

INFORMATION

- Stainless steel system.
- New square shaft system.
- New reinforced braking system.
- New blade design available in three sizes.
- Hub with options for 4, 6, or 8 blades.
- Ready for use with the TRAVICAR DGPS automatic opening and closing system.

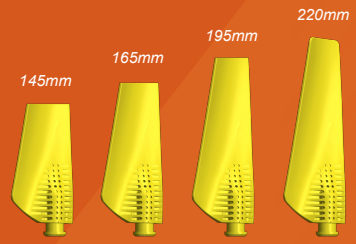
BRAKE SYSTEM



SQUARE AXIS

STRONGER BRAKE

BLADES OPTIONS



STANDARD BLADE

PERFORMANCE BLADE

CUBES OPTIONS

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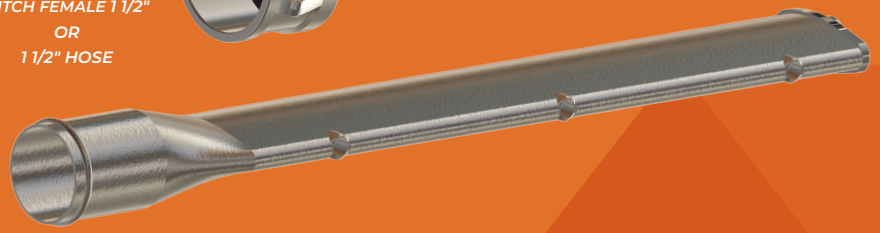
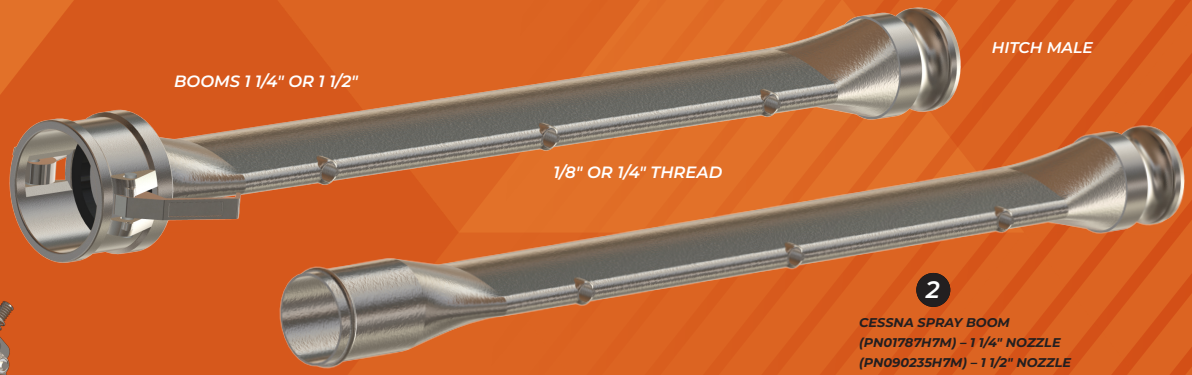
BOOMS

AEROFOLIC BOOM TIP MODELS



1

CESSNA SPRAY BOOM
(PN01787H7R) – 1 1/4" NOZZLE
(PN090235H7R) – 1 1/2" NOZZLE
(PN90174H7R-1/8) – 1 1/2" ROTARY ATOMIZER
(PN90174H7R-1/4) – 1 1/2" ROTARY ATOMIZER

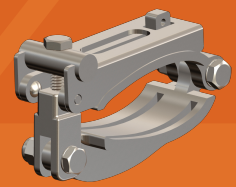


2

CESSNA SPRAY BOOM
(PN01787H7M) – 1 1/4" NOZZLE
(PN090235H7M) – 1 1/2" NOZZLE
(PN90174H7M-1/8) – 1 1/2" ROTARY ATOMIZER
(PN90174H7M-1/4) – 1 1/2" ROTARY ATOMIZER

3

STAINLESS STEEL T CAMLOCK – SPRAY BOOMS
(PN01669NX-2) – 2" SPRAY BOOMS
(PN01669NX-1.1/2) – 1 1/2" SPRAY BOOMS
(PN01669NX-1.1/4) – 1 1/4" SPRAY BOOMS



4

STAINLESS STEEL T CAMLOCK – SPRAY BOOMS
(PN01669) – FOR 1 1/4" AND 1 1/2" SPRAY BOOMS

INFORMATION

Stainless steel system.

Fully configurable to meet aircraft requirements.

Quick couplings for mounting to the Y filter.

Two orifice options: 1/8" or 1/4".

Two wall thickness options: 1.5 mm or 2 mm.

Optional outlet with 3/4" threaded connection or male coupling.

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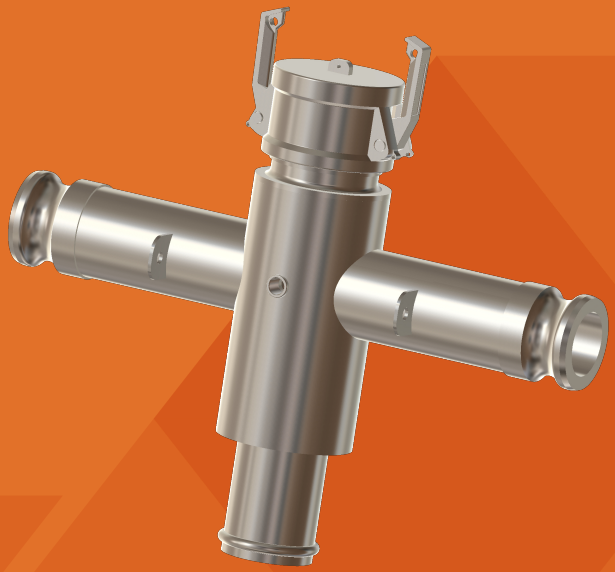
Y FILTER

AIRCRAFT GRUMMAN

Y FILTER

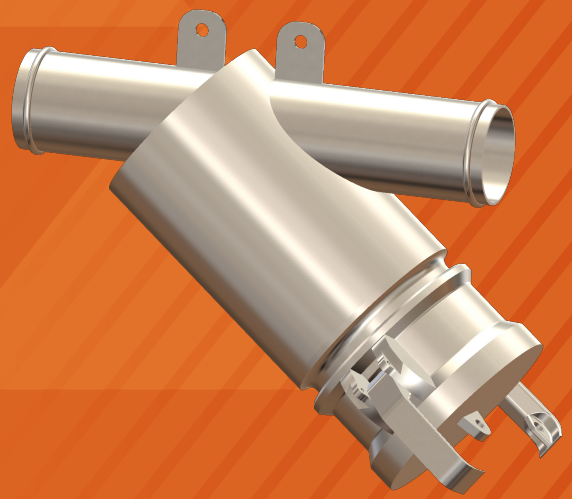
1

Y-STRAINER GRUMMAN STAINLESS STEEL (PN01774)



2

LINE STRAINER 2" (PN01774)



INFORMATION

Stainless steel system.

Model options to accommodate DGPS accessories.

Bypass valve with venturi system for easy adjustment and convenient access for cleaning.

Flowmeter valves and automatic opening and closing with various configuration options.

Custom connection and mounting options available.

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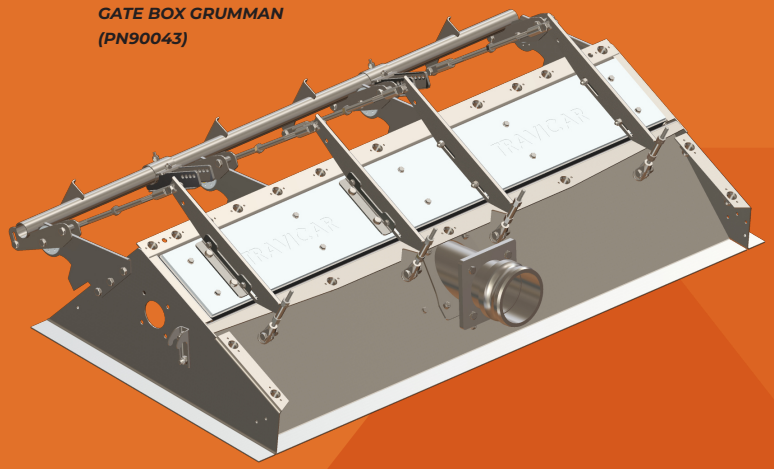
GATE BOX

GATE BOX

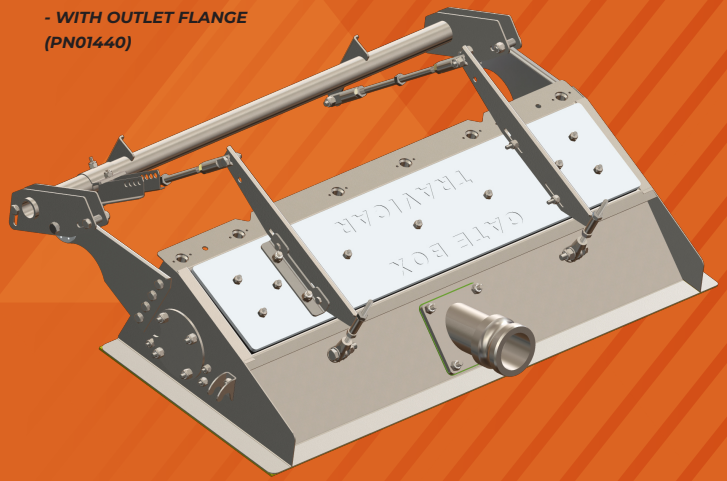
1

GATE BOX GRUMMAN (PN90043)



2

GATE BOX AG CAT GRUMMAN - WITH OUTLET FLANGE (PN01440)



INFORMATION

Stainless steel system.

Model options to accommodate DGPS accessories.

Bypass valve with venturi system for easy adjustment and convenient access for cleaning.

Flowmeter valves and automatic opening and closing with various configuration options.

Custom connection and mounting options available.

AGRICULTURAL EQUIPMENT
GRUMMAN
FIRE GATE BOX

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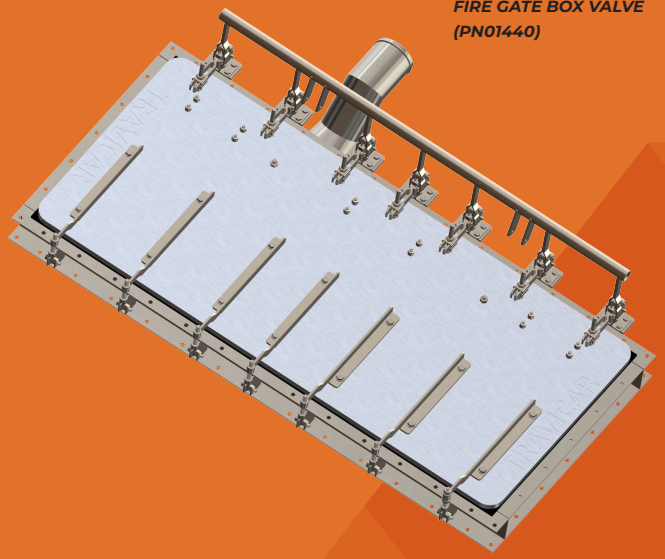
FIRE GATE BOX

FIRE GATE BOX

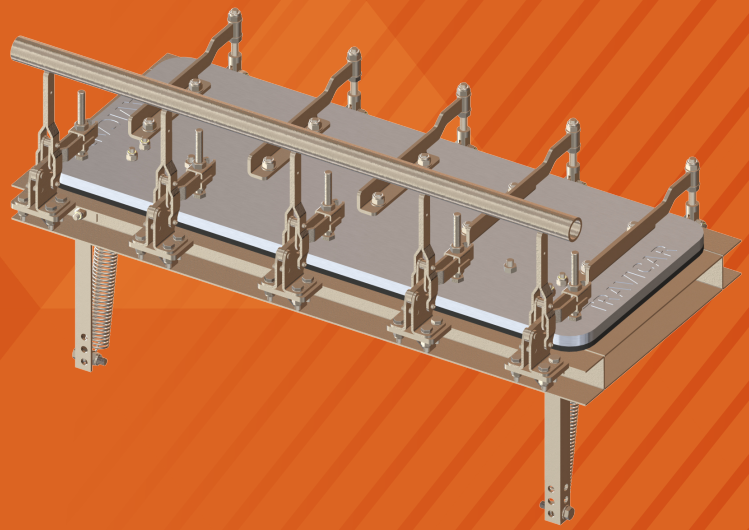
1

FIRE GATE BOX VALVE (PN01440)



2

FIRE GATE BOX VALVE (PN07110)



INFORMATION

Stainless steel system.

Used for firefighting in areas with low foliage density.

Simplified installation.

Spring-loaded lid closing system with adjustment.

Valve system for air intake into the hopper.

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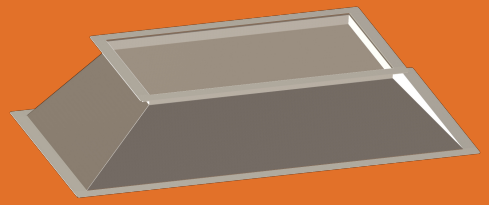
ADAPTERS

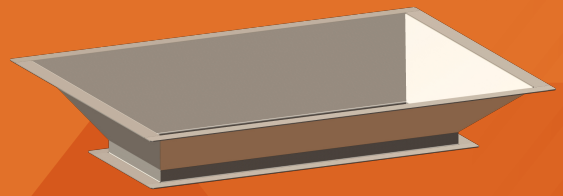
1

FLANGE C.A 14.5'' X 27'' - C.A 38''
(PN22273)



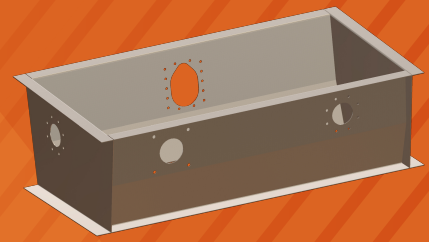
2

FLANGE C.A 26.375'' X 34'' - C.A 25''
(PN01275)



3

FLANGE C.A 12.31'' X 25'' - C.A 25''
(PN01271)

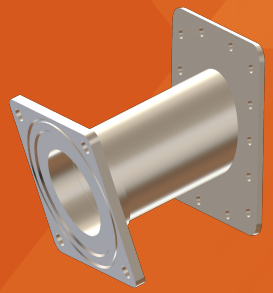


4

OUTLET FLANGE FLANGE ADAPTER
C.A GRUMMAN 20° 2''
(PN01276)

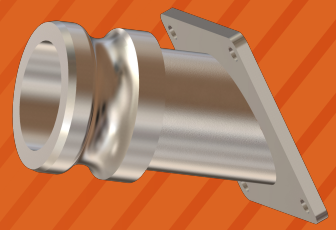
5

OUTLET FLANGE FLANGE ADAPTER
C.A GRUMMAN 20° 2''
(PN01277)



6

FLANGE MALE 2'' OUTLET C.A GRUMMAN
(PN01278)



INFORMATION

Stainless steel system.

Model options to accommodate DGPS accessories.

Bypass valve with venturi system for easy adjustment and convenient access for cleaning.

Flowmeter valves and automatic opening and closing with various configuration options.

Custom connection and mounting options available.

VALVES

AGRICULTURAL EQUIPMENT
GRUMMAN
VALVES

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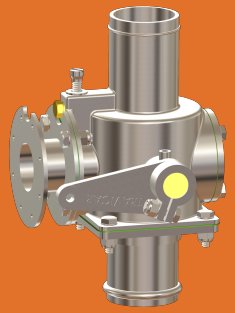
STAINLESS STEEL VALVE MODELS

LOADER VALVE

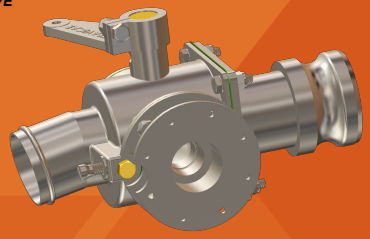
1

2" LOADER VALVE (PN01772H7)



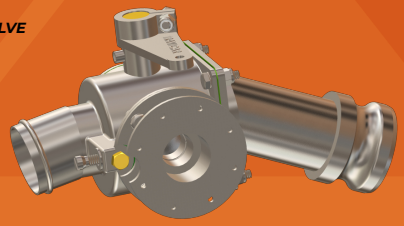
2

2" LOADER VALVE (PN01772H7)



3

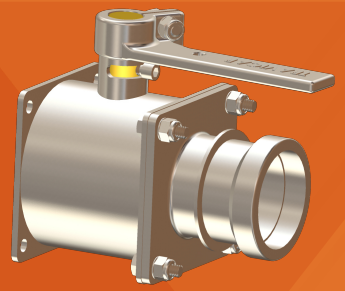
2" LOADER VALVE (PN01772H7)



SHUT-OFF VALVE

4

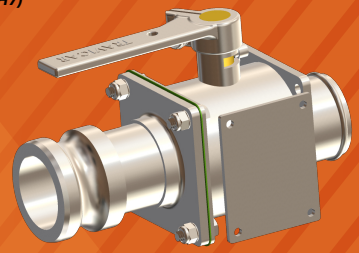
SHUT-OFF 2" STAINLESS STEEL (PN01734)



SPRAY CONTROL VALVE

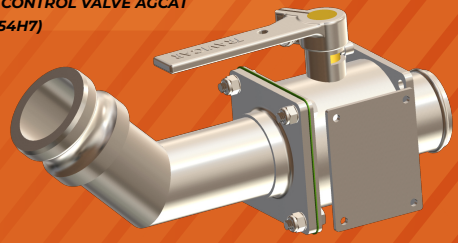
5

SPRAY CONTROL VALVE AGCAT (PN01254H7)



6

SPRAY CONTROL VALVE AGCAT (PN01254H7)



INFORMATION

Stainless steel system.

Model options to accommodate DGPS accessories.

Bypass valve with venturi system for easy adjustment and convenient access for cleaning.

Flowmeter valves and automatic opening and closing with various configuration options.

Custom connection and mounting options available.

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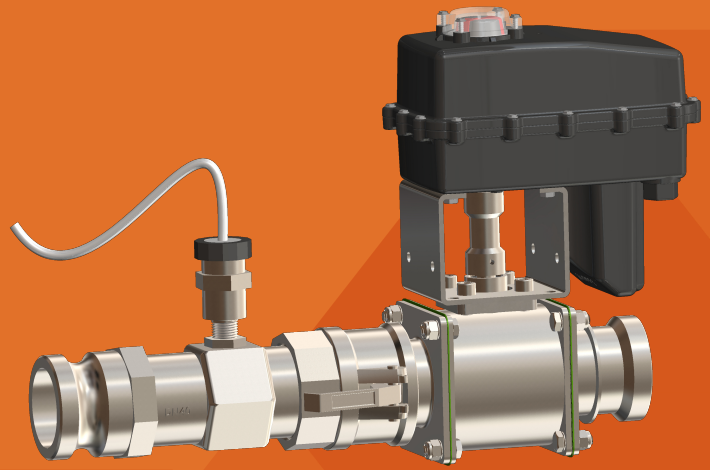
VALVES

STAINLESS STEEL VALVE

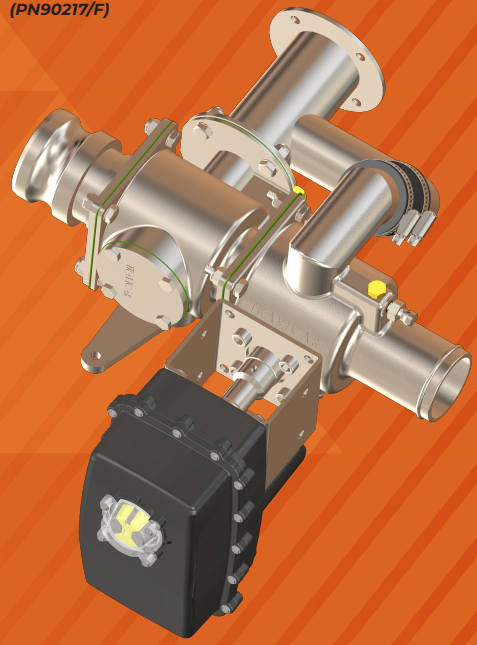
1

FLOWMETER M-M 2"
(PN01623)



2

ON/OFF VALVE HOSE
(PN90217/F)



INFORMATION

Stainless steel system.

Model options to accommodate DGPS accessories.

Bypass valve with venturi system for easy adjustment and convenient access for cleaning.

Flowmeter valves and automatic opening and closing with various configuration options.

Custom connection and mounting options available.

BOOM HANGER

AGRICULTURAL EQUIPMENT
GRUMMAN
BOOM HANGER

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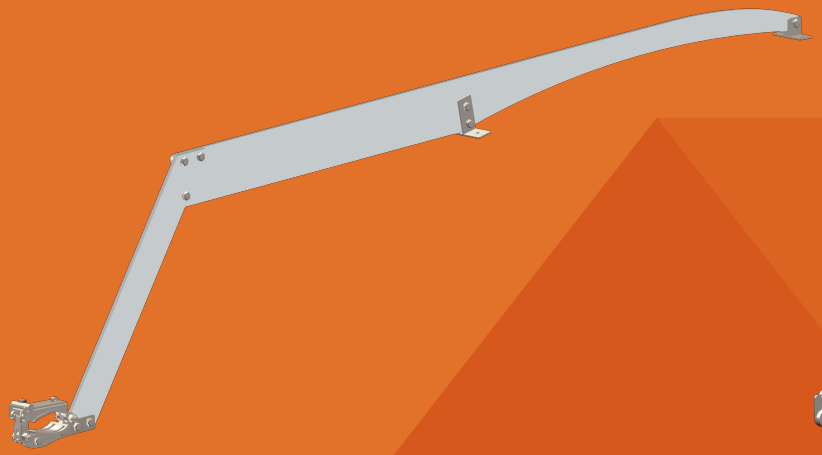
BOOM HANGER

1

BLADE SUPPORT AG CAT GRUMMAN
(PN01379)



2

TUBULAR SUPPORT AG CAT GRUMMAN
(PN01435)

3

STAINLESS STEEL T CAMLOCK – SPRAY BOOMS
(PN01669NX-2) – 2" SPRAY BOOMS
(PN01669NX-1.1/2) – 1 1/2" SPRAY BOOMS
(PN01669NX-1.1/4) – 1 1/4" SPRAY BOOMS

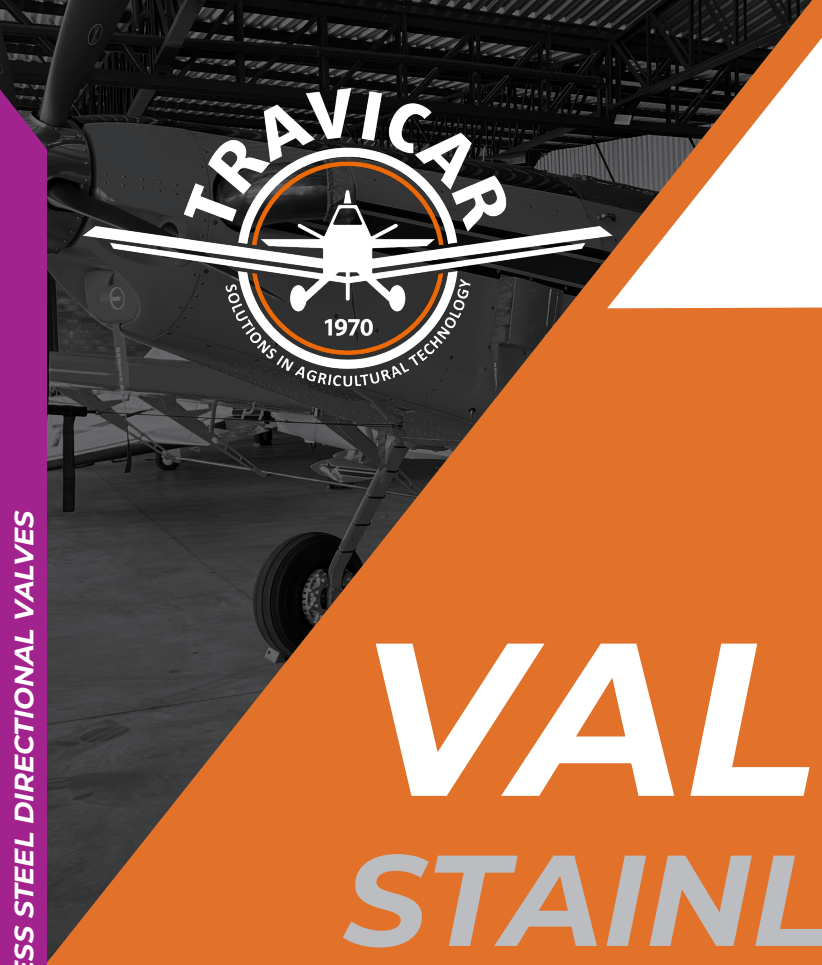
INFORMATION

Stainless Steel System.

Simplified installation.

Spring system for adjustable lid closure.

Models T Camlock - Spray Booms.



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VALVES

STAINLESS STEEL DIRECTIONAL

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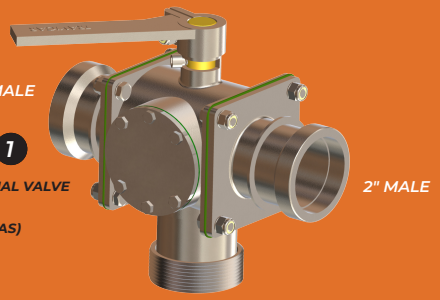
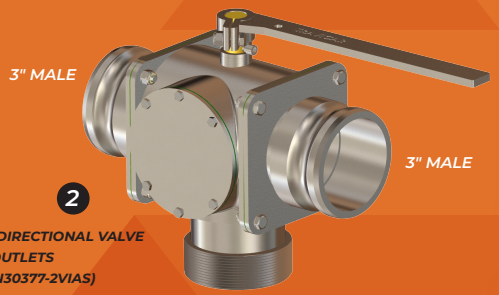
DIRECTIONAL

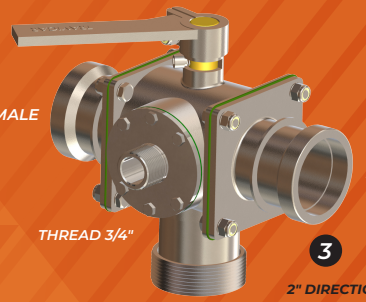
STAINLESS STEEL DIRECTIONAL VALVES – 2" AND 3"



1
2" DIRECTIONAL VALVE
2 OUTLETS
(PN30375-2VIAS)

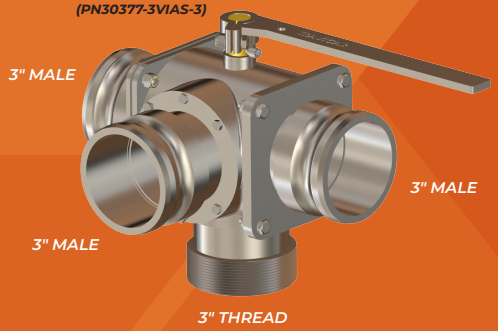


2
3" DIRECTIONAL VALVE
2 OUTLETS
(PN30377-2VIAS)

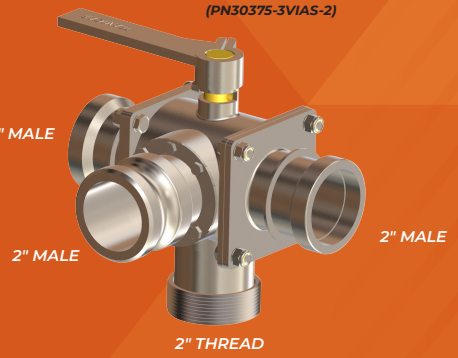


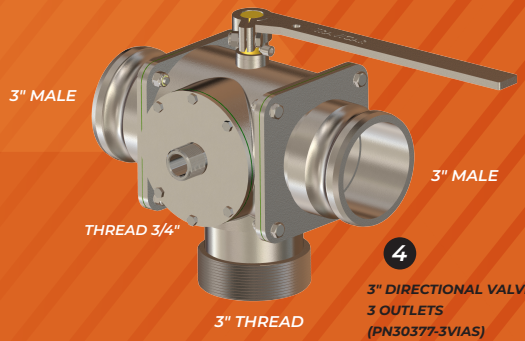
3
2" DIRECTIONAL VALVE
3 OUTLETS
(PN30375-3VIAS)

6
3" DIRECTIONAL VALVE
3 OUTLETS
(PN30377-3VIAS-3)



5
2" DIRECTIONAL VALVE
3 OUTLETS
(PN30375-3VIAS-2)





4
3" DIRECTIONAL VALVE
3 OUTLETS
(PN30377-3VIAS)

INFORMATION

Stainless Steel System.

Robust equipment with high durability.

Two size options: 2" and 3".

Multiple connection options for inlet and outlet.

Special customization options available according to customer requirements.

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INLINE FILTERS

STAINLESS STEEL

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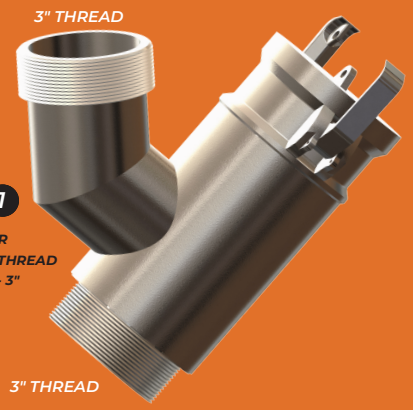
INLINE FILTERS

STAINLESS STEEL INLINE FILTERS 2" AND 3"



1 INLINE FILTER THREAD-TO-THREAD (PN90127-R) - 3"

3 INLINE FILTER FEMALE-MALE (PN90105) - 3"

5 INLINE FILTER MALE-FEMALE (PN90125) - 3"

2 INLINE FILTER THREAD-TO-THREAD (PN90128-R) - 2"

4 INLINE FILTER FEMALE-MALE (PN01735) - 2"

6 INLINE FILTER MALE-FEMALE (PN90126) - 2"

INFORMATION

Stainless Steel System.

Robust equipment with high durability.

Two size options: 2" and 3".

Multiple connection options for inlet and outlet.

Special customization options available according to customer requirements.

MULTIPLE CONNECTION OPTIONS FOR INLET AND OUTLET OF THE INLINE FILTER

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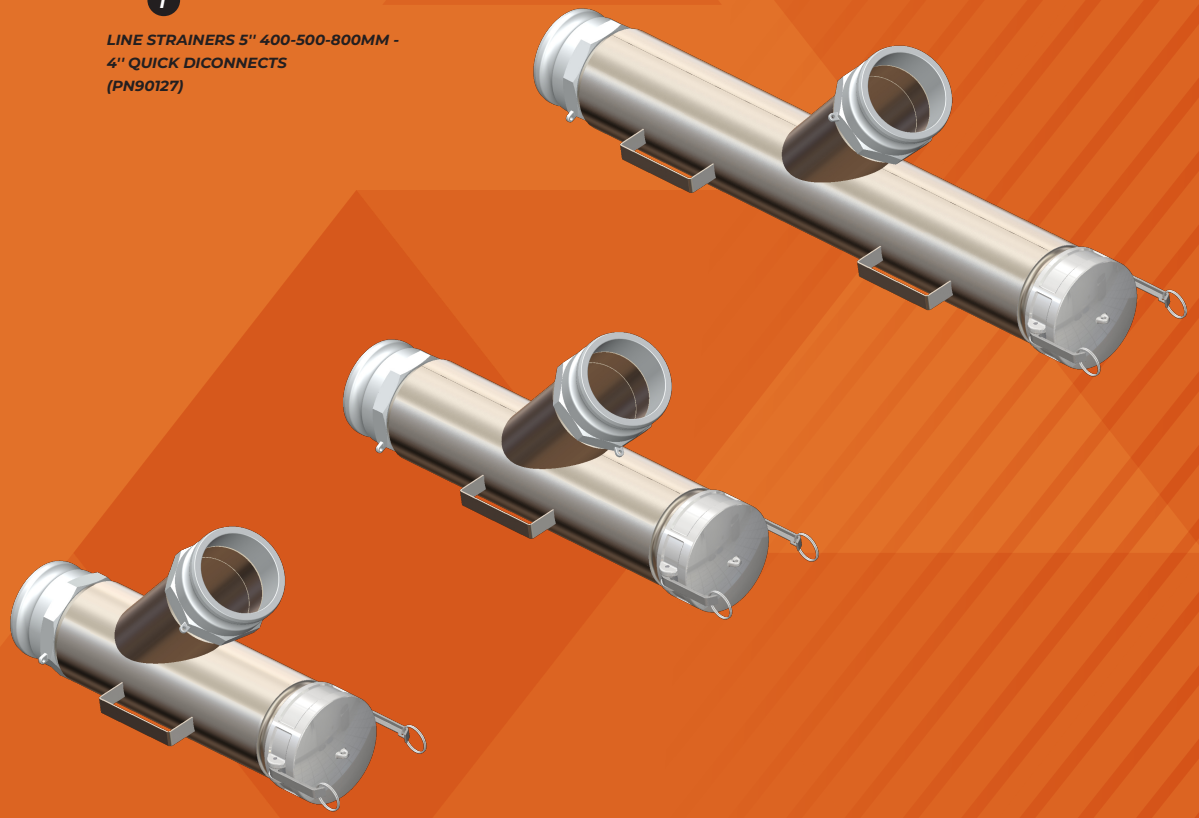
LINE STRAINERS

STAINLESS STEEL LINE STRAINERS

1

LINE STRAINERS 5'' 400-500-800MM - 4'' QUICK DICONNECTS (PN90127)



INFORMATION

Stainless Steel System.

Robust equipment with high durability.

Two size options: 2" and 3".

Multiple connection options for inlet and outlet.

Special customization options available according to customer requirements.

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QUICK DISCONNECTS

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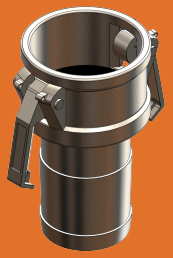
FEMALE QUICK DISCONNECTS

1

HITCH C
(PN01320XX) - 3/4"
(PN01132XX) - 1"
(PN01152XX) - 1 1/4"
(PN85282XX) - 1 1/2"
(PN85283XX) - 2"
(PN85284XX) - 2 1/2"
(PN01514XX) - 3"
(PN01589XX) - 4"

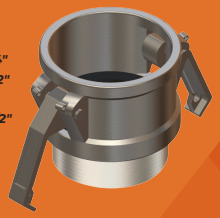


2

HITCH D
(PN01503XX) - 3/4"
(PN01369XX) - 1"
(PN01193XX) - 1 1/4"
(PN85257XX) - 1 1/2"
(PN85258XX) - 2"
(PN85259XX) - 2 1/2"
(PN01512XX) - 3"
(PN01792XX) - 4"

3

HITCH B
(PN01192XX) - 3/4"
(PN01159XX) - 1"
(PN01097XX) - 1 1/4"
(PN85288XX) - 1 1/2"
(PN85289XX) - 2"
(PN85290XX) - 2 1/2"
(PN01523XX) - 3"
(PN01656XX) - 4"



4

HITCH DC
(PN01100XX) - 3/4"
(PN01112XX) - 1"
(PN01123XX) - 1 1/4"
(PN85321XX) - 1 1/2"
(PN85322XX) - 2"
(PN85323XX) - 2 1/2"
(PN01524XX) - 3"
(PN01741XX) - 4"

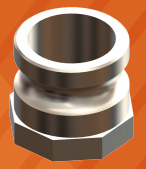
MALE QUICK DISCONNECTS

5

HITCH E
(PN01326XX) - 3/4"
(PN01165XX) - 1"
(PN01166XX) - 1 1/4"
(PN01002XX) - 1 1/2"
(PN01003XX) - 2"
(PN01004XX) - 2 1/2"
(PN01219XX) - 3"
(PN01588XX) - 4"

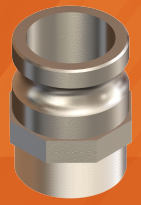
6

HITCH A
(PN01331XX) - 3/4"
(PN01170XX) - 1"
(PN01175XX) - 1 1/4"
(PN85052XX) - 1 1/2"
(PN85053XX) - 2"
(PN85054XX) - 2 1/2"
(PN01515XX) - 3"
(PN01794XX) - 4"



7

HITCH F
(PN01353XX) - 3/4"
(PN01174XX) - 1"
(PN01178XX) - 1 1/4"
(PN85059XX) - 1 1/2"
(PN85060XX) - 2"
(PN85061XX) - 2 1/2"
(PN01516XX) - 3"
(PN01587XX) - 4"



8

HITCH DP
(PN01016XX) - 3/4"
(PN20353XX) - 1"
(PN01134XX) - 1 1/4"
(PN01011XX) - 1 1/2"
(PN01590XX) - 2"
(PN01568XX) - 2 1/2"
(PN01001XX) - 3"
(PN01793XX) - 4"

INFORMATION

Stainless Steel Systems or aluminum.

Robust and highly durable equipment.

Special customization options according to Customer's needs.

AVAILABLE IN STAINLESS STEEL AND ALUMINUM

AGRICULTURAL EQUIPMENT
AIRCRAFT
ELECTRONIC SUMMARIES

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DGPS

AERIAL GUIDANCE SYSTEM

PAGE 06

DISPLAY

TOUCHSCREEN DISPLAY

PAGE 07 08

LIGHTBAR

OUTDOOR LIGHTBAR

PAGE 09

LIGHTBAR

INTERNAL LIGHTBAR

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FLOW CONTROL

FLOW CONTROL - TURBINE SENSOR

PAGE 10

AUTO ON/OFF

AUTO SPRAY ON/OFF

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ALTIMETER

LASER ALTIMETER W/ GYROSCOPE

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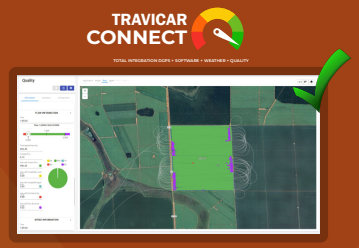
CONNECTIVITY

APP TRAVICAR CONNECT - CONNECTIVITY



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APP

APP TRAVICAR CONNECT - MOBILE

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WEATHER

WEATHER STATION

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AGRICULTURAL EQUIPMENT
AIRCRAFT
SUMMARY NOZZLE AND ATOMIZER

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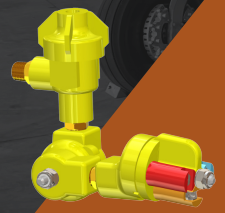
TT 11
FLAT FAN/SOLID STREAM TT 11



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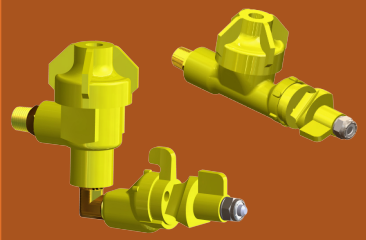
TT 03
FLAT FAN TT 03



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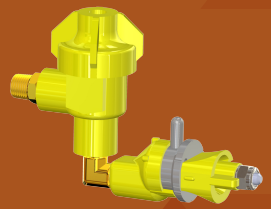
TT 09
FLAT FAN/SOLID STREAM TT 09



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CORE/DISC
CONE SPRAY

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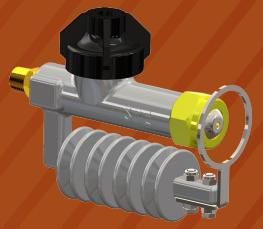
ELECTROSTATIC
ELECTROSTATIC NOZZLES



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ATOMIZER
FULL STAINLESS STEEL

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ATOMIZER
STAINLESS STEEL

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MOUNTING CLAMP
ATOMIZER'S MOUNTING CLAMP

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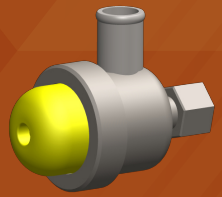
CHECK VALVE
CHECK VALVE



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VRU
VRU - FLOW REGULATOR

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AGRICULTURAL EQUIPMENT
AIRCRAFT
SUMMARY STAINLESS STEEL

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SPRAY SYSTEM

AIRCRAFT SPRAY SYSTEM

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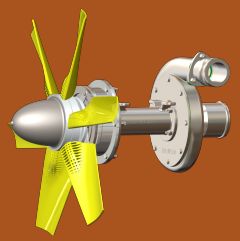
CESSNA 84
PIPER 99
THRUSH 117
DROMADER 134
AG-CAT 143

SPRAY PUMP

SPRAY PUMPS



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SPRAY BOOM

STREAMLINE BOOM

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AG-CAT 146

CENTER BOOM

STREAMLINE CENTER BOOM

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AG-CAT 147

GATE BOX

GATEBOX

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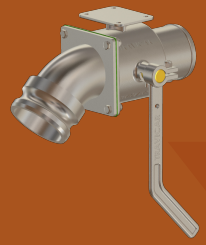
CESSNA 91
PIPER 116
THRUSH 125
DROMADER 139
AG-CAT 148

LOADER VALVE

LOADER VALVE



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SPRAY VALVE

SPRAY CONTROL VALVE

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PIPER 105,113
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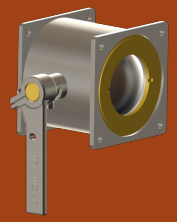
DROMADER 141
AG-CAT 151

SHUT-OFF VALVE

BALL VALVE - BUTTERFLY VALVE



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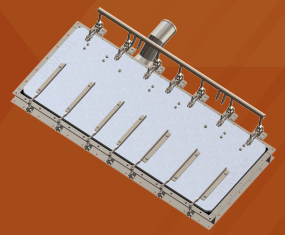
PIPER 105,113
THRUSH 128
DROMADER 141
AG-CAT 151

FIRE GATE BOX

MANUAL FIRE GATE BOX



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CESSNA 93
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DROMADER 140
AG-CAT 149

DEMAND VENTS

HOPPER DEMAND VENT

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DROMADER 140
AG-CAT 149

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AGRICULTURAL EQUIPMENT
AIRCRAFT
SUPPORT EQUIPMENT

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BOOM HANGERS

BOOM HANGER

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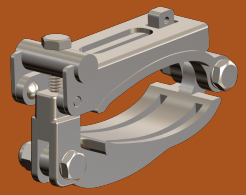
- CESSNA --
- PIPER --
- THRUSH 133
- DROMADER 143
- GRUMMAN 153

BOOM CLAMPS

BOOM CLAMPS



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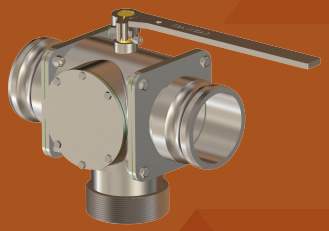
- AIR TRACTOR 72
- CESSNA 89
- PIPER 115
- THRUSH 123
- DROMADER 137
- GRUMMAN 146

2-WAY VALVE

2-WAY VALVE



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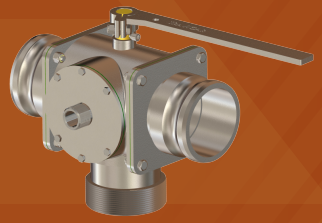
3-WAY VALVE

3-WAY VALVE



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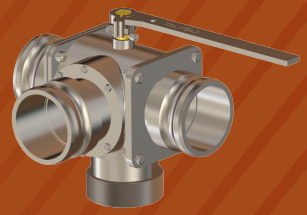
3-WAY VALVE

3-WAY VALVE



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