

EQUIPMENT AND SOLUTIONS TRAVICAR FOR YOUR AIRCRAFT ALL AIRCRAFT

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

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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

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- PLASTIC TOOLING FOR INVESTMENT CASTING
- INVESTMENT CASTING
- CNC MACHINING SERVICE
- STEEL CASTING TOOLING



AGRICULTURAL EQUIPMENT
AIRCRAFT
ELECTRONIC SUMMARIES

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DGPS

AERIAL GUIDANCE SYSTEM



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DISPLAY

TOUCHSCREEN DISPLAY



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LIGHTBAR

OUTDOOR LIGHTBAR



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LIGHTBAR

INTERNAL LIGHTBAR



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FLOW CONTROL

FLOW CONTROL - TURBINE SENSOR



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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



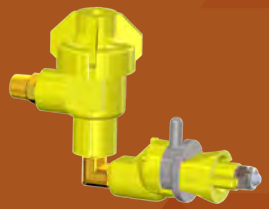
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CORE/DISC
CONE SPRAY



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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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SPRAY PUMP

SPRAY PUMPS



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SPRAY BOOM

STREAMLINE BOOM



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STREAMLINE CENTER BOOM



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GATE BOX

GATEBOX



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LOADER VALVE

LOADER VALVE



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SPRAY VALVE

SPRAY CONTROL VALVE



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SHUT-OFF VALVE

BALL VALVE - BUTTERFLY VALVE



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FIRE GATE BOX

MANUAL FIRE GATE BOX



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DEMAND VENTS

HOPPER DEMAND VENT



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AIRCRAFT
SUPPORT EQUIPMENT

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BOOM HANGERS

BOOM HANGER



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BOOM CLAMPS

BOOM CLAMPS



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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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DGPS

AERIAL SPRAY GUIDANCE SYSTEM CONNECTIVITY WITH THE TRAVICAR CONNECT PLATFORM

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DGPS

APPLICATION GUIDE (DGPS) + CONNECTIVITY

3 EXTERNAL LIGHTBAR (PNG221)



4 INTERNAL LIGHTBAR (PNG395)



8 LASER ALTIMETER (PN3883)





6 FLOWMETER VALVE (PN1021)



5 FLOW READING TURBINE (PN - ON REQUEST))



9 DGPS ANTENNA (PN G211)

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



DISPLAY

AGRICULTURAL EQUIPMENT
AIRCRAFT
AERIAL SPRAY GUIDANCE SYSTEM

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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.

ESSENTIAL

DGPS I

1 TOUCHSCREEN 7" (PNG216)



QuadCore
Wi - Fi
RAM 4GB
32GB SSD storage

THE ESSENTIAL DGPS FOR YOUR OPERATION.

INTUITIVE, EFFICIENT, AND ROBUST.

PERFORMANCE

DGPS II

2 TOUCHSCREEN 7" (PNG516)





QuadCore
Wi - Fi
RAM 4GB
64GB SSD storage

MORE PERFORMANCE FOR YOUR OPERATION.

UNMATCHED PERFORMANCE.

EVOLUTION

DGPS III

3 TOUCHSCREEN 7" (PNG591)





Quad-core, Wi-Fi
and 4G, 8 GB
RAM, 128 GB SSD
storage

NEW GENERATION WITH FOCUS ON CONNECTIVITY.

DESIGN, SOPHISTICATION AND GREATER PERFORMANCE.

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DISPLAY

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







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ASSURING AN UNIFORM FLOW DISTRIBUTION ALONG THE ENTIRE APPLICATION.

FLOW CONTROL

1. FULL FLOW CONTROL (PN3783)

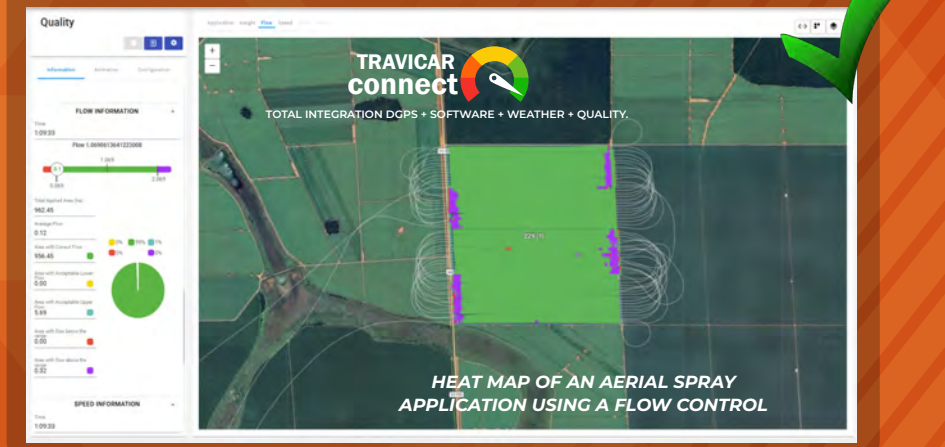


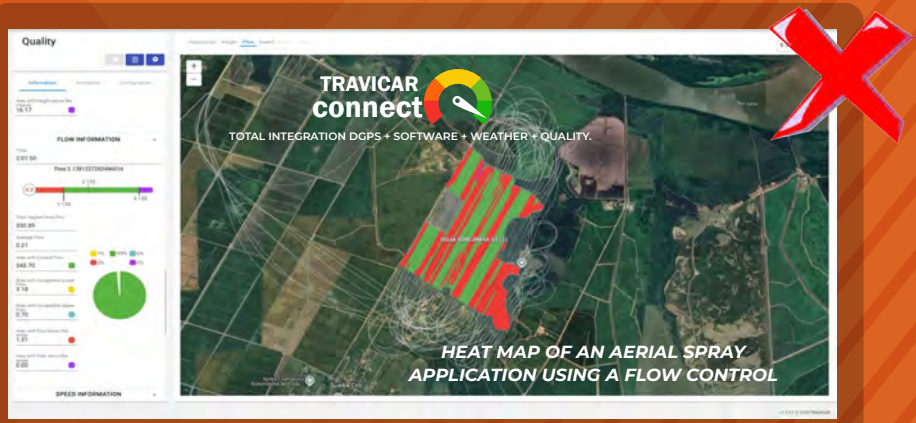
2. FLOW READING TURBINE (PN4372)

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

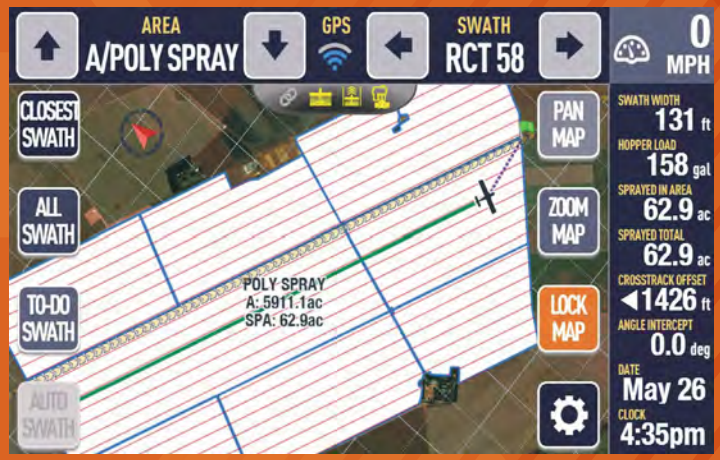
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BOOM
SHUT-OFF

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

Operating screen integrated with Travicar DGPS system.



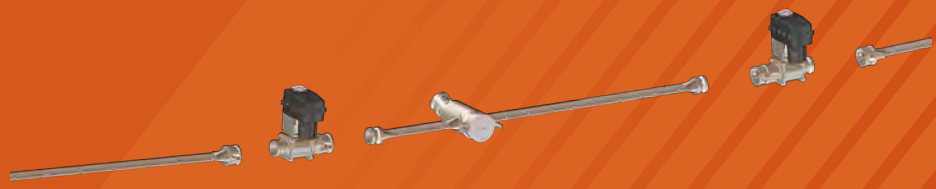




1 *RIGHT-HAND SECTION SHUT-OFF VALVEMALE-FEMALE (90278D-MF-1.1/2 / 90278D-MF-2)*

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

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



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

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.

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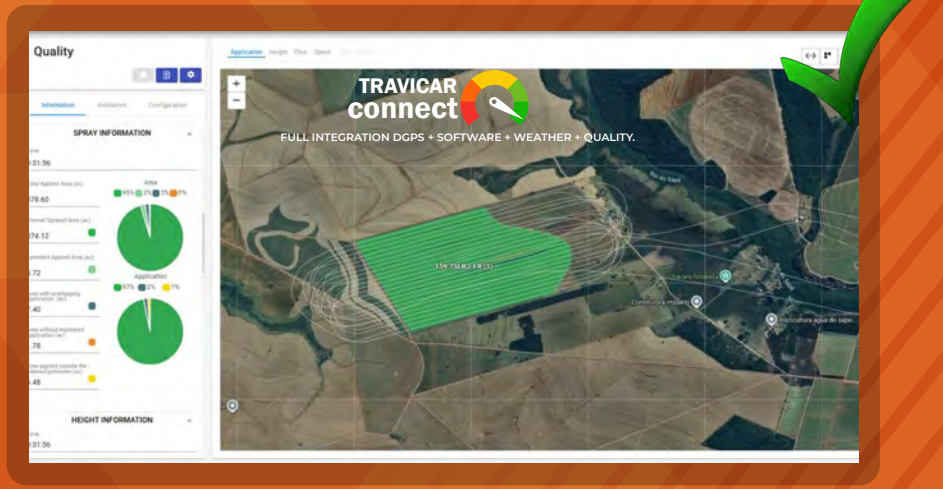
INCREASE SPRAYING PRECISION BY USING POLYGONS ASSOCIATED WITH AUTOMATIC FLOW OPENING AND CLOSING SYSTEMS.

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

ELECTRONIC EQUIPMENT
AIRCRAFT
AERIAL SPRAY GUIDANCE SYSTEM

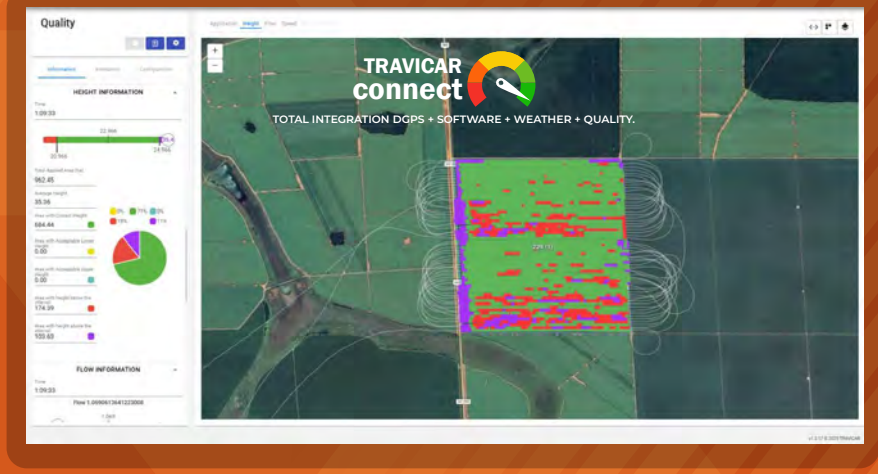
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PERFECT INSTRUMENT TO MONITOR FLIGHT HEIGHT VARIATION DURING ALL SPRAYING ENSURING THE OPENING OF THE EFFECTIVE RANGE.

ALTIMETER



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



VERTICAL COMPONENT ACTUAL HEIGHT (GUARANTEED BY THE GYROSCOPE)

POSSIBLE LASER DIRECTIONS DUE TO AIRCRAFT OSCILLATIONS

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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AERIAL SPRAY GUIDANCE SYSTEM

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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.



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CONNECT

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)

AGRICULTURAL EQUIPMENT
AIRCRAFT
SOFTWARE

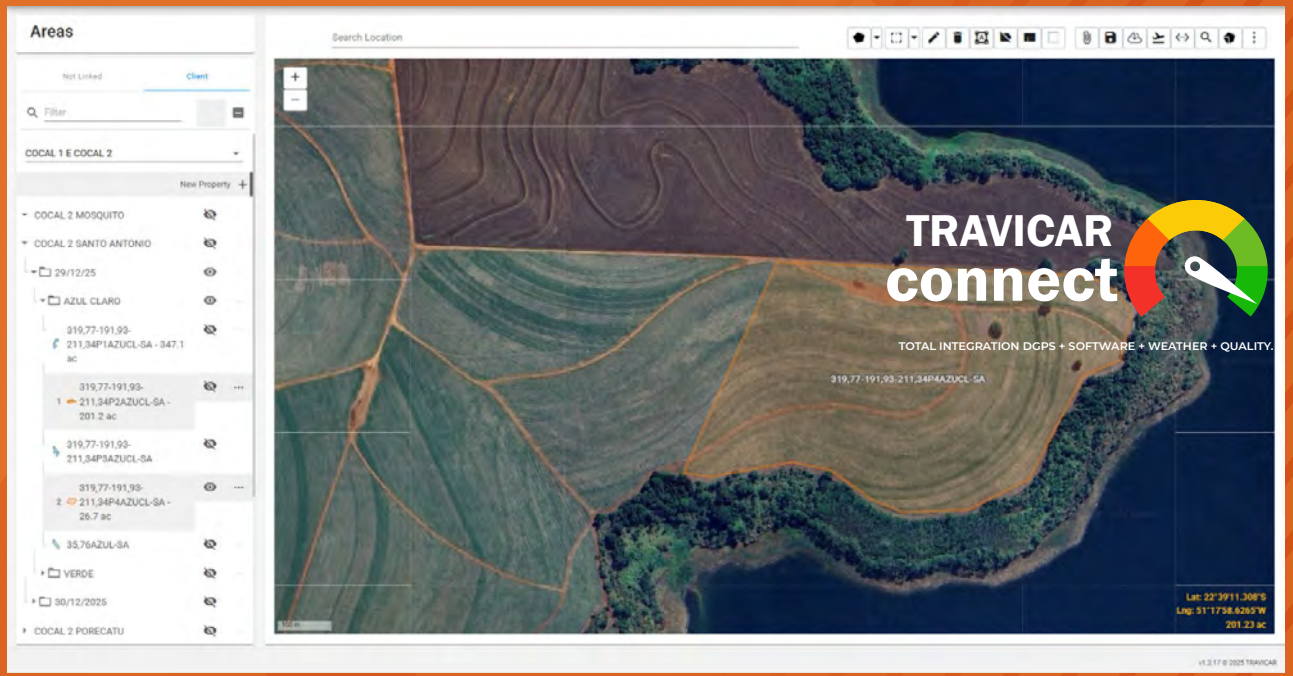
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CONNECT

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)

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CONNECT

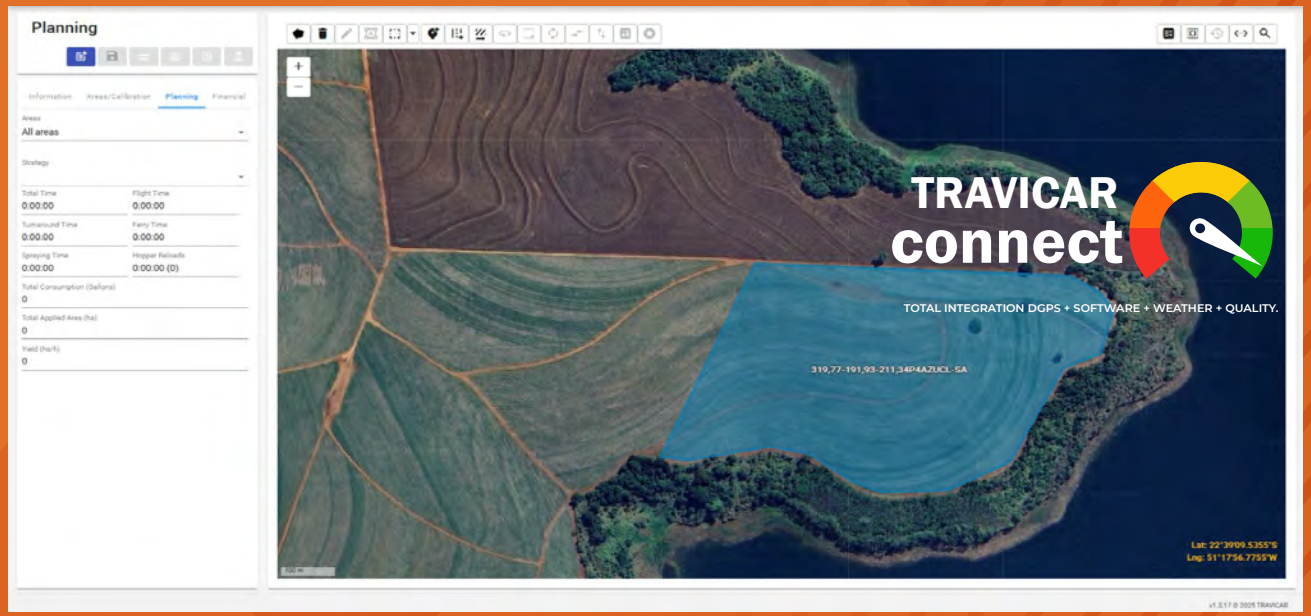
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CONTROL AND INFORMATION IN ALL STAGES OF AN OPERATION AIR SPRAYING THROUGH THE TRAVICAR CONNECT SOFTWARE.

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.



INFORMATION

Delivers total control over the entire aerial operation.

Manage and edit your areas to get the best yield.

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)

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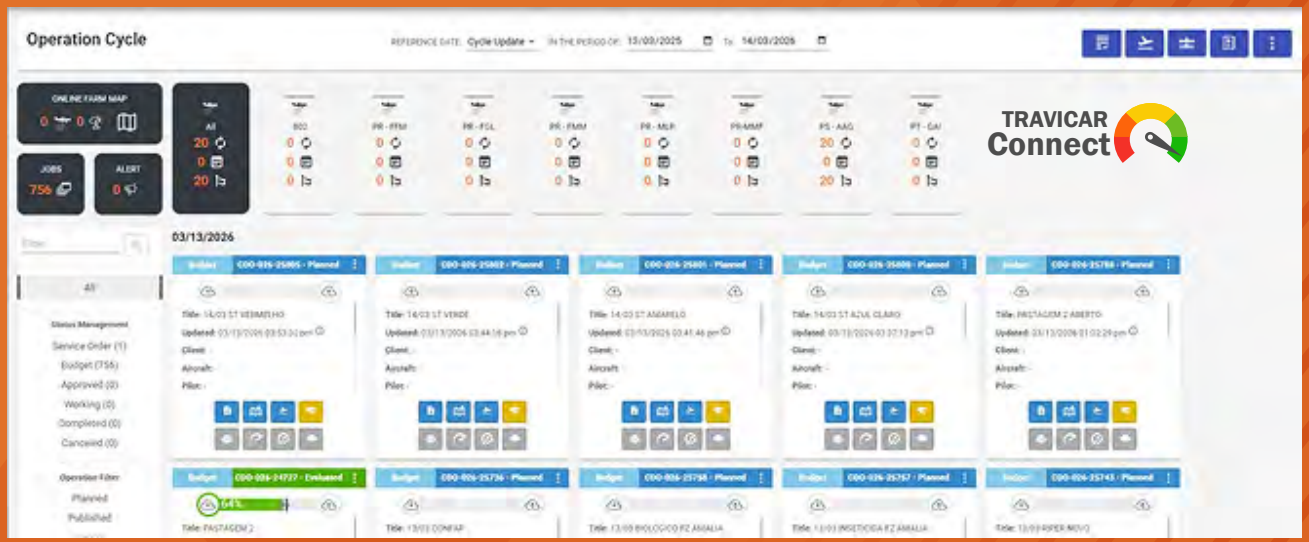
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CONNECT

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.

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)

APPLICATION GUIDE (DGPS) + CONNECTIVITY

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CONNECT

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.



INFORMATION

Unique system. 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 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.



INFORMATION

Unique system. 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)

APPLICATION GUIDE (DGPS) + CONNECTIVITY

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AGRICULTURAL EQUIPMENT
AIRCRAFT
SOFTWARE

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CONNECT

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

Unique system.

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.

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APPLICATION GUIDE (DGPS) + CONNECTIVITY

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.

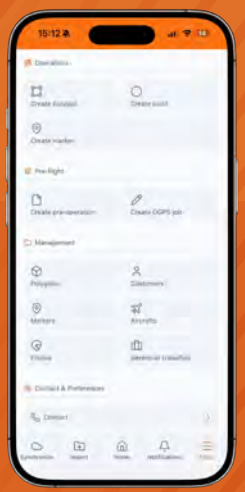
Decision making

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.

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APPLICATION GUIDE (DGPS) + CONNECTIVITY

STATION

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.



110V/220V AND SOLAR POWER SUPPLY.

SECONDARY SENSOR TO EVALUATE THE POSSIBILITY OF THERMAL INVERSION.

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

1 WEATHER STATION TRAVICAR MOBILE (PNG672)



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

TRAVICAR Connect

TOTAL INTEGRATION DGPS + SOFTWARE + WEATHER + QUALITY.



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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SPRAY NOZZLES

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NOZZLES
TRAVICAR
TT 11
NYLON

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

POSITION 1



POSITION 2



POSITION 3



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.

TT 11 NYLON (PN90400) **1**



TT 11 BRONZE (PN90400BZ) **2**



TT 11 SSTL (PN90400NX) **3**



7 CLICK POSITIONS WITH 15° VARIATION.

FLAT FAN 20°/40°/80°/110°



SOLID STREAM 0°



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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)

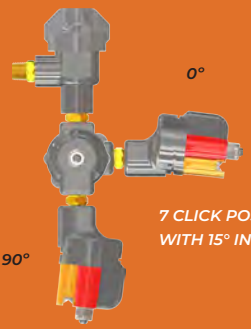


DEFLECTION ANGLES

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)



FLAT SPRAY 40° / 80° / 120°



SOLID STREAM 0°



ROTARY NOZZLE SYSTEM

POSITION 1



POSITION 2



POSITION 3



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.

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NOZZLES

TRAVICAR TT 03

SPRAY NOZZLES

DEFLECTION ANGLES

DROPPLET SPECTRUM ADJUSTMENT.



30° 55° 90°

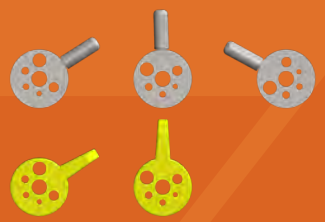
FLAT SPRAY WITH 30°/55°/90° DEFLECTION.

FLOW: 0.26 gpm - 3.96 gpm.

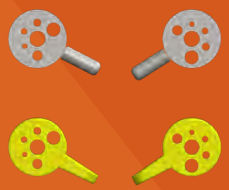
DEFLECTION ANGLES

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)



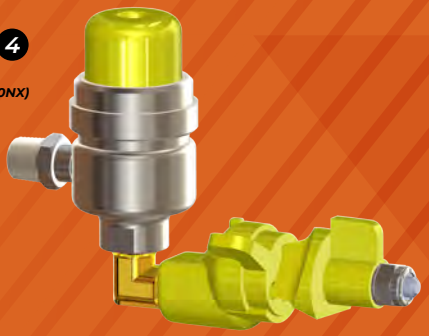
2 TT 03 NYLON (PN90300)



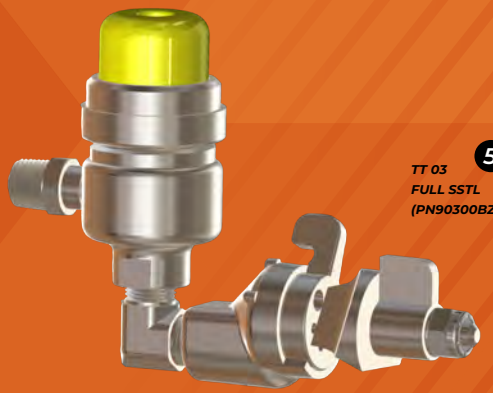
3 TT 03 BRONZE (PN90300BZ)



4 TT 03 SSTL (PN90300NX)



5 TT 03 FULL SSTL (PN90300BZ)



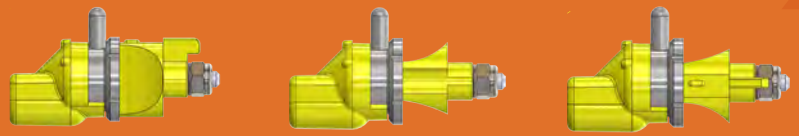
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NOZZLES

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.



OPTION 1 OPTION 2

OPTION 3 OPTION 4

INFORMATION

Versatile Spray System.

Nozzle option in Polymer or Stainless Steel.

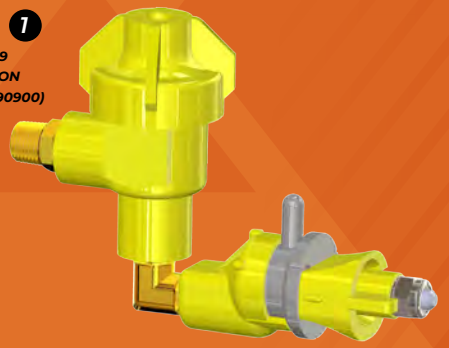
Assorted options for use in different flow rates.

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	45	46	56
PN 85253	PN 85248	PN 85268	PN 85249

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

DISC



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

D7	D8	D10	D12	D14
PN 01532	PN 85615	PN 85617	PN 85619	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)



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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.

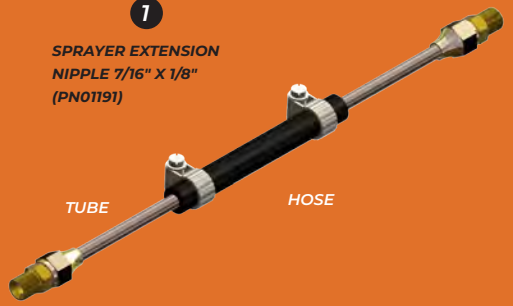
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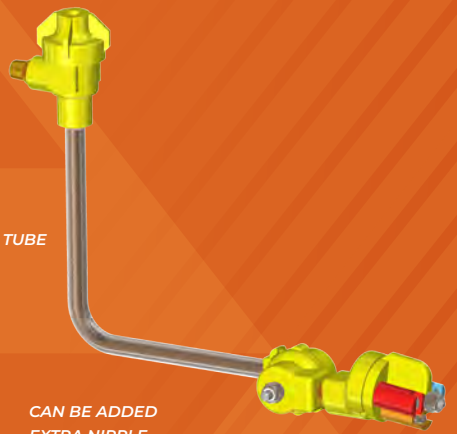
NOZZLES

EXTENSION

1

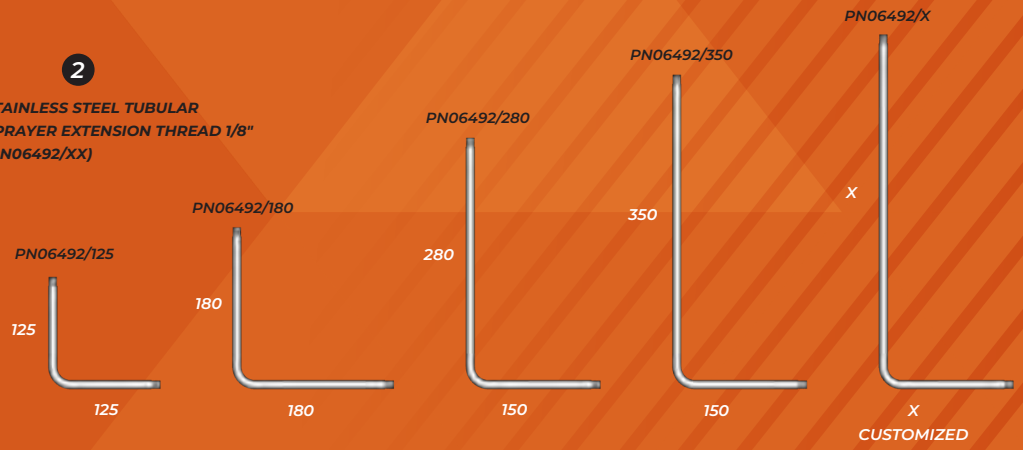
SPRAYER EXTENSION NIPPLE 7/16" X 1/8" (PN01191)





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.

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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

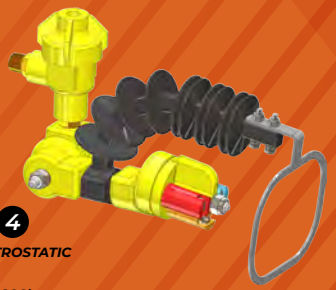
FAN TIP 80°



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

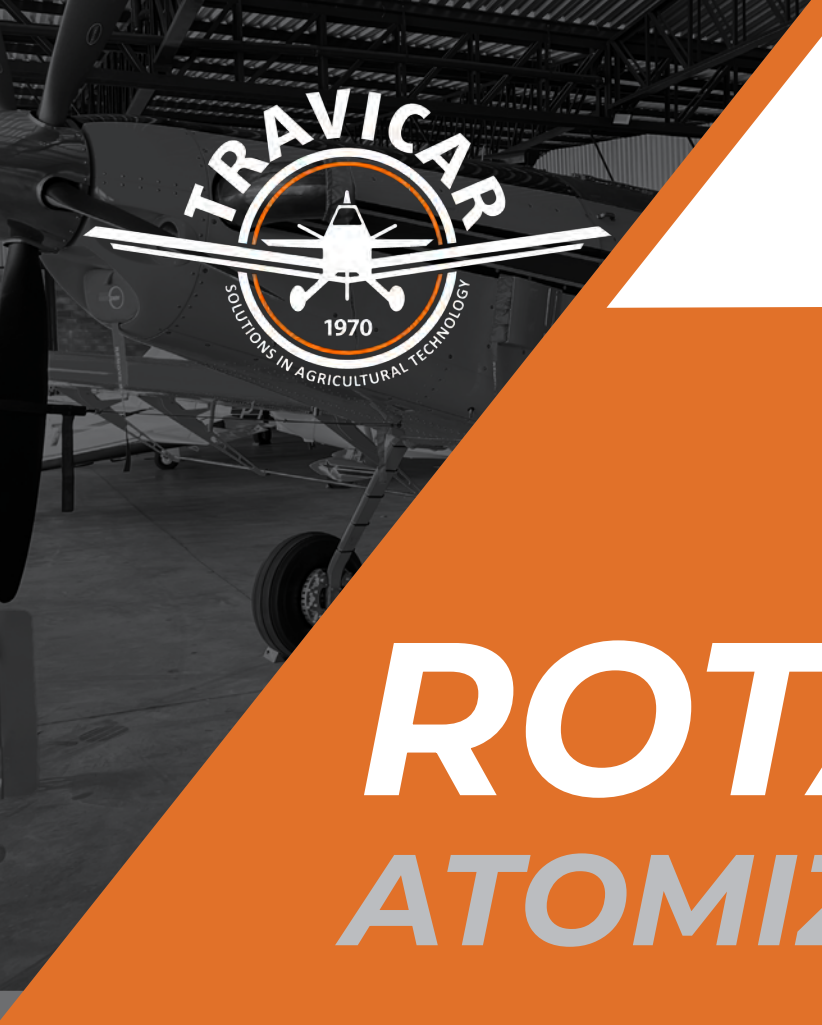


VOLTAGE SOURCES WITH REVERSE POLARITIES, ONE FOR EACH SPRAY BAR.

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 ✓

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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)



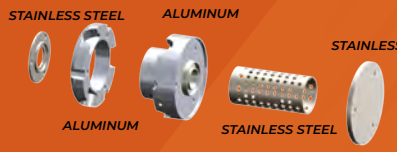


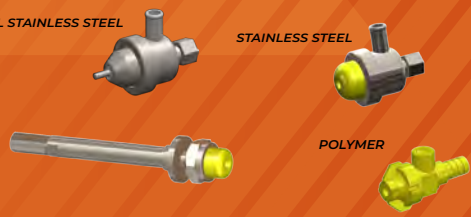
POLYMER OR STAINLESS STEEL.

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.

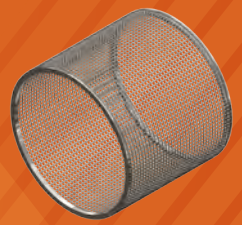
2" BOOM STAINLESS STEEL.



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)*

2"

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



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.

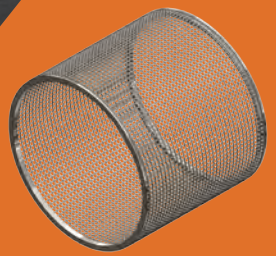
ROTARY ATOMIZERS IN STAINLESS STEEL AND FULL STAINLESS STEEL

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1970

ATOMIZERS
STAINLESS STEEL GAUZE

ROTARY ATOMIZERS IN STAINLESS STEEL AND FULL STAINLESS STEEL



INFORMATION

Stainless steel GAUZE ASSY.

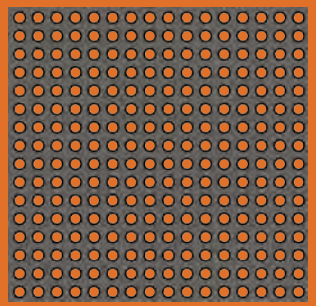
Perforated sheet metal in various hole and shape options.

Stainless steel mesh in various mesh options.

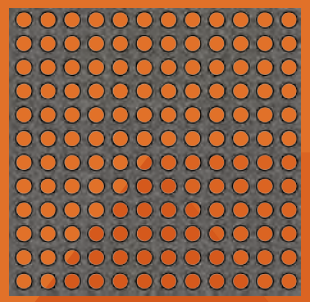
High durability and resistance.

GAUZE MODELS IN PERFORATED SHEET METAL AND MONEL MESH

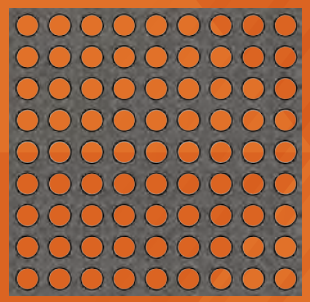
PERFORATED SHEET 1.5 MM ROUND HOLE



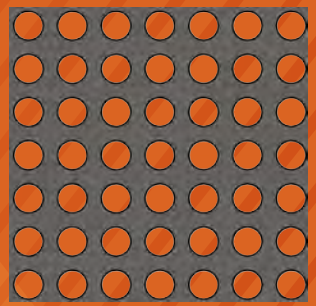
PERFORATED SHEET 2.2 MM ROUND HOLE



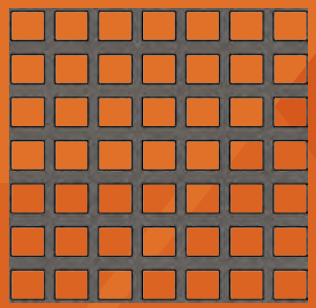
PERFORATED SHEET 3 MM ROUND HOLE



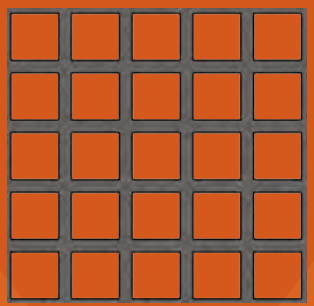
PERFORATED SHEET 4 MM ROUND HOLE



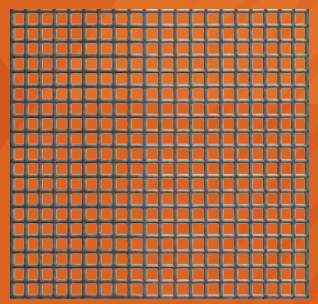
PERFORATED SHEET 4 MM SQUARE HOLE



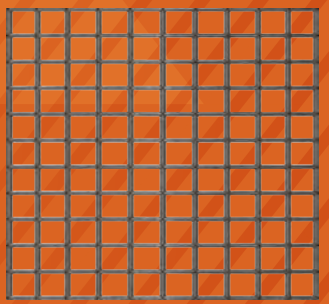
PERFORATED SHEET 6.5 MM SQUARE HOLE

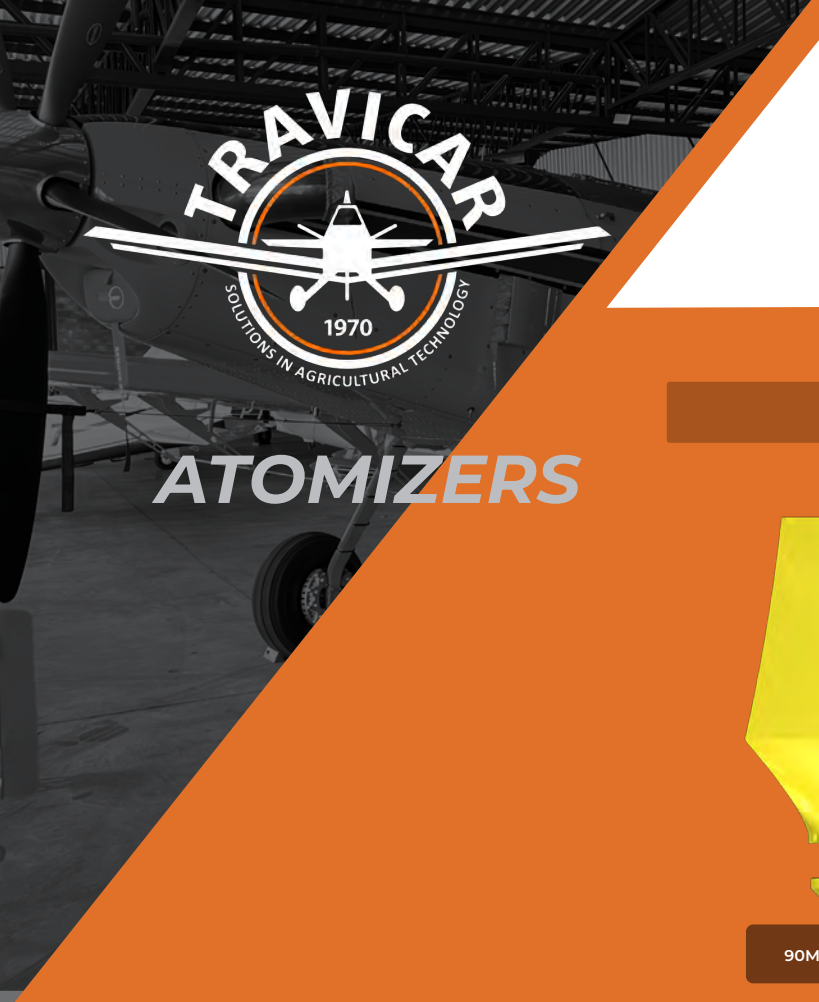


MESH 14



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

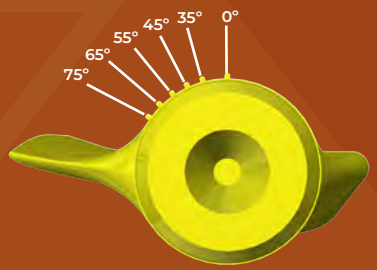
Made of Nylon.

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

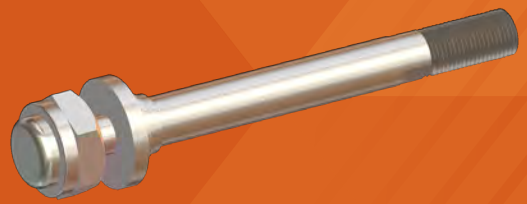
HARD CHROME PLATED SPINDLE



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

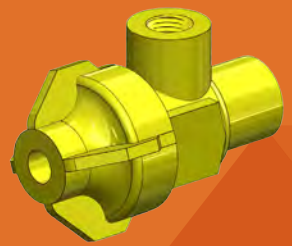
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ATOMIZERS
CHECK VALVE

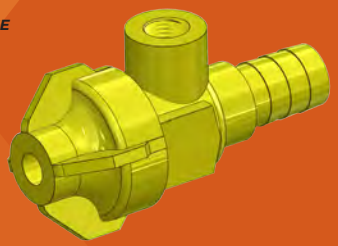
MODELS OF ANTI-DRIP VALVES IN STAINLESS STEEL AND POLYMER FOR ATOMIZERS

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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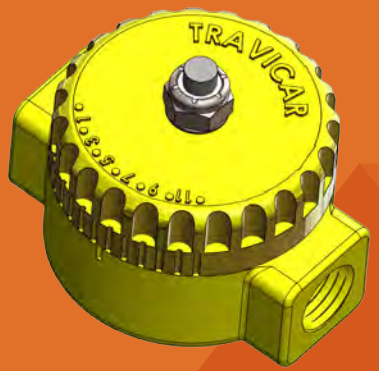
ROTARY ATOMIZERS IN STAINLESS STEEL AND FULL STAINLESS STEEL

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.

ROTARY ATOMIZERS IN STAINLESS STEEL AND FULL STAINLESS STEEL

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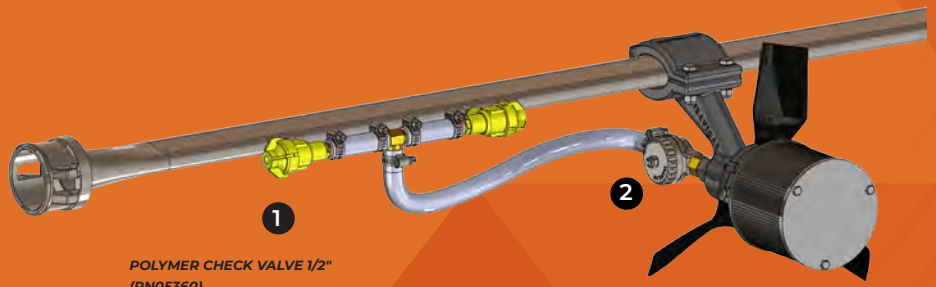
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ATOMIZERS
DUAL FEED SYSTEM

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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ROTARY ATOMIZER

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ATOMIZERS
MODEL 04165

ATOMIZER SERIES 04165 - 81 mm



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°

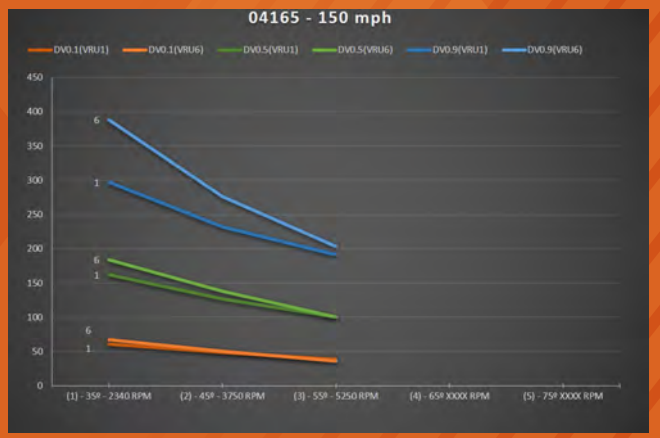
REFERENCE GRAPHS: ROTATION vs DROPLET DIAMETER - SERIES 04165

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)

Product techniques Information

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

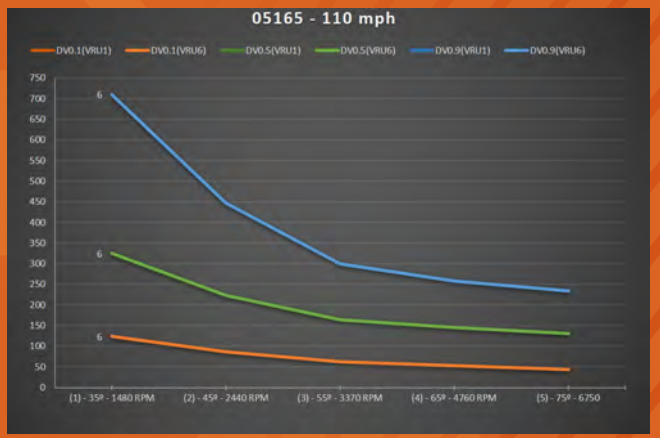


Product techniques Information

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

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°

ROTARY ATOMIZERS IN STAINLESS STEEL AND FULL STAINLESS STEEL

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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

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)

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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AIRCRAFT

AIR TRACTOR

402-502-602-802



AGRICULTURAL EQUIPMENT

AIR TRACTOR 402

STAINLESS STEEL

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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)

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

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

11 Y-STRAINER FIXING ROD (PN90003/H2)

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

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

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

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

15

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

3" SUPPLY TUBE (PN01816H7) 28

10 Y FILTER FIXING ROD (PN90003/H1)

32 BUTTERFLY VALVE

1 GATE BOX AT 402/502 (PN90007)

11

10

29

9 SPRAY CONTROL ROD (PN90001)

3" SUPPLY TUBE (PN01819H7-90111H7)

6

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

PUMP SUPPORT WIND (PN90005/SUP)

24

12

12

25

31 SPRAY CONTROL TUBE - Y (PN90200)

ENTRY TUBE 3" + SHUTDOWN VALVE (PN01821H7)

QUICK HITCH HOSE 2" (PN85283NX)

12

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



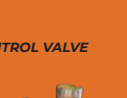
AGRICULTURAL EQUIPMENT

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.

AIRCRAFT AIR TRACTOR 402 - 502 - 602 - 802

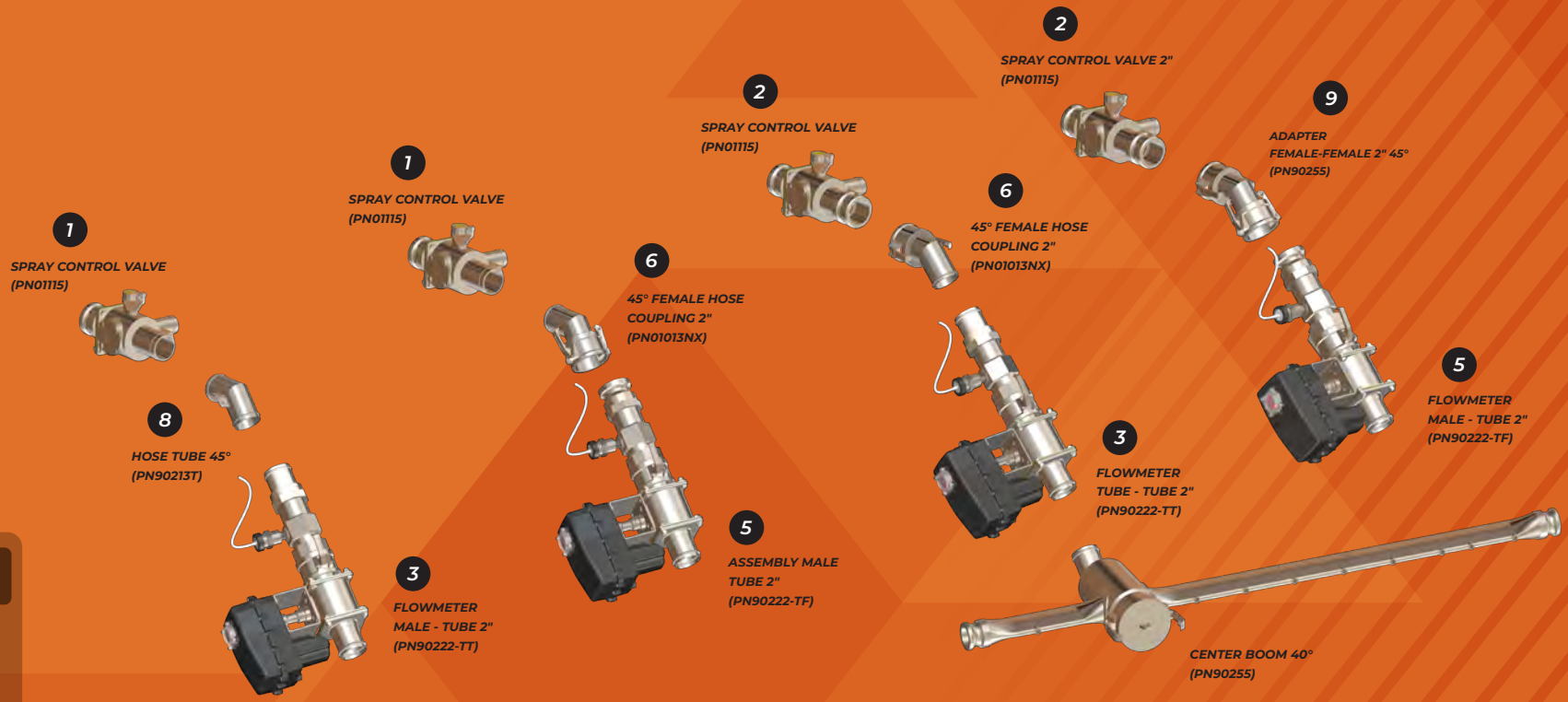


AGRICULTURAL EQUIPMENT

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"

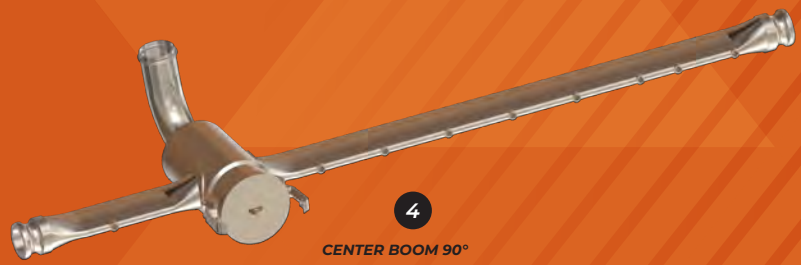


6 TUBE 2" 90° (PN90222-FT90)

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.

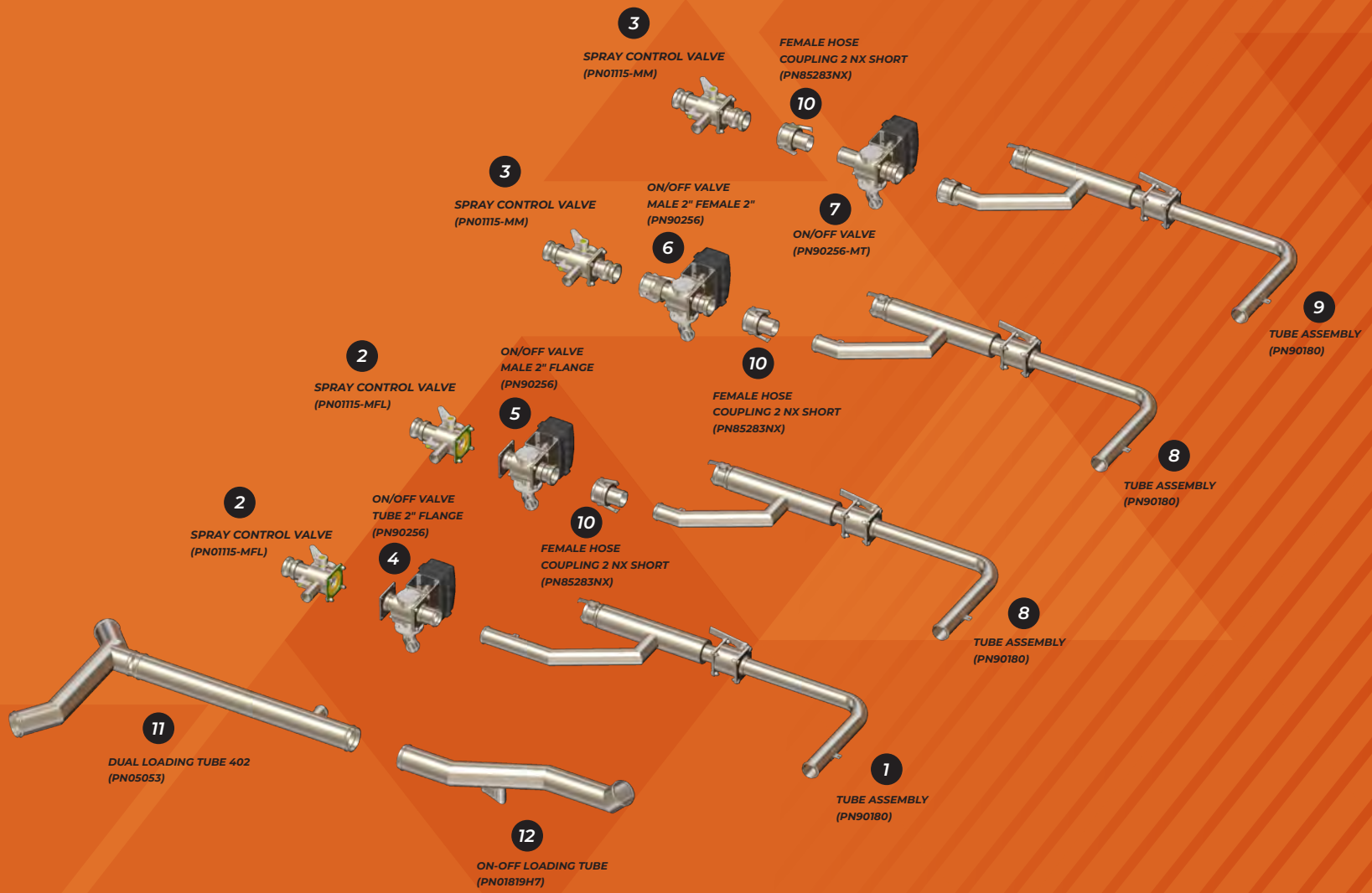


AGRICULTURAL EQUIPMENT

AIR TRACTOR 402

FLOWMETER AND ON/OFF VALVE

Pensacola - FL
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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 29 20 6

SPRAY CONTROL TUBE - Y (PN90201)

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

QUICK HITCH HOSE 2" (PN85283NX) 6

9 SPRAY CONTROL VALVE (PN01115)

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".

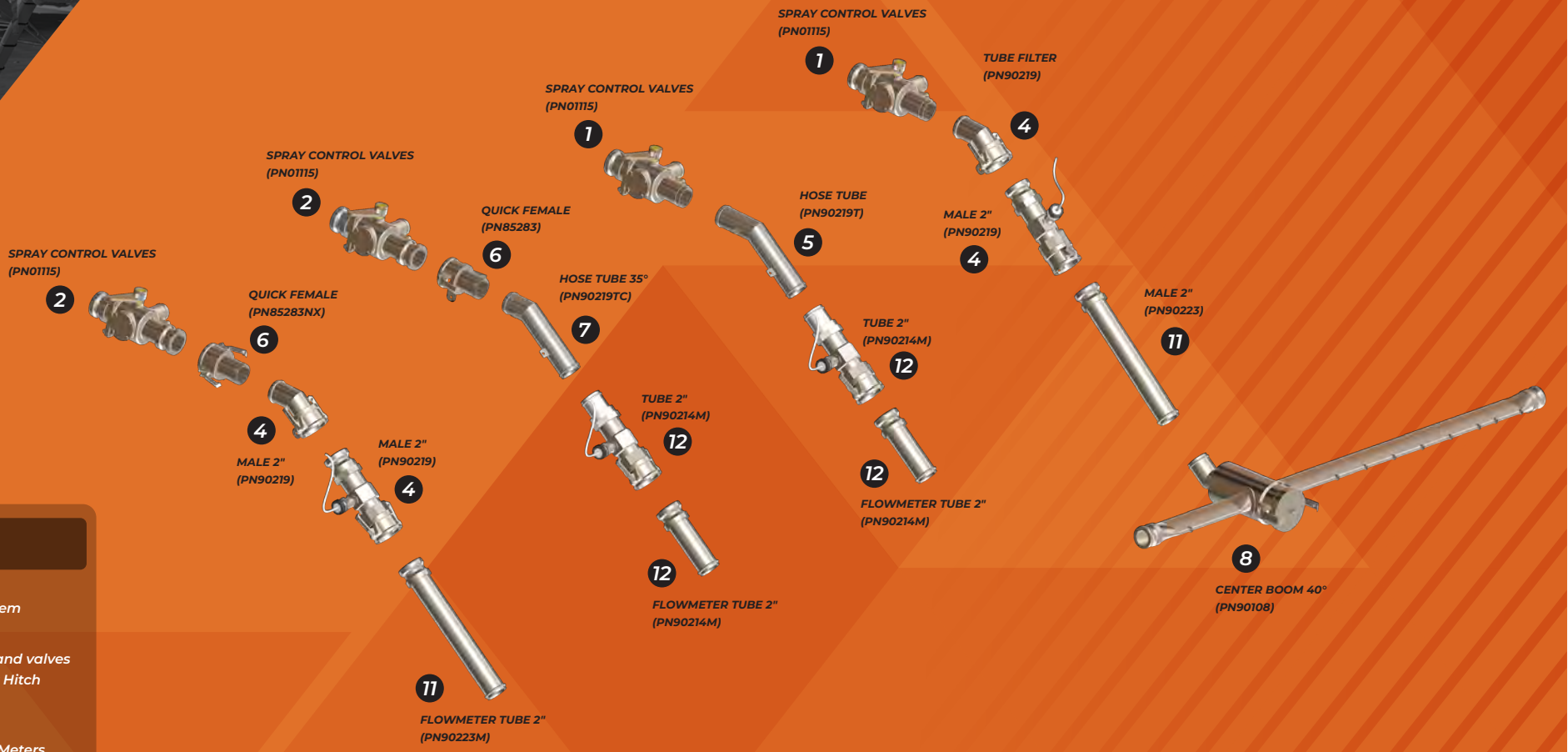


AGRICULTURAL EQUIPMENT

AIR TRACTOR 502

FLOW READER

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

TUBE (2) 90° (PN01115) 4

MALE (PN90219) 9

MALE HOSE COUPLING (PN01003) 6

TUBE (2) 90° (PN01115) 5

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

SPRAY CONTROL VALVE MALE-MALE (PN90223) 4

MALE (PN90219) 9

SPRAY CONTROL VALVE MALE-MALE (PN01115) 6

TUBE (2) 90° (PN01115) 5

Y-STRAINER HOSE 90° (PN01115) 5

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.

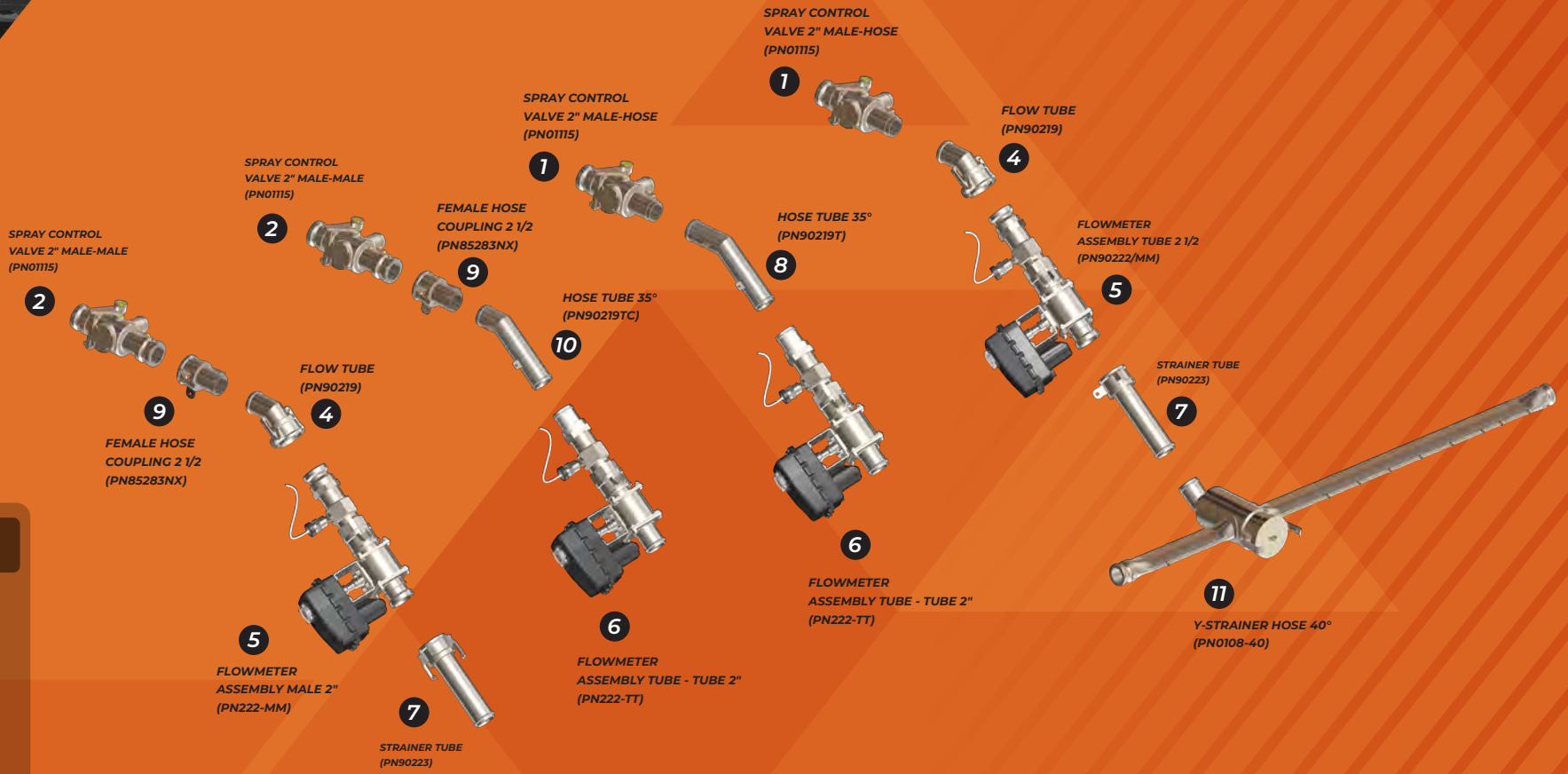


AGRICULTURAL EQUIPMENT

AIR TRACTOR 502

FLOW READER

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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

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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.

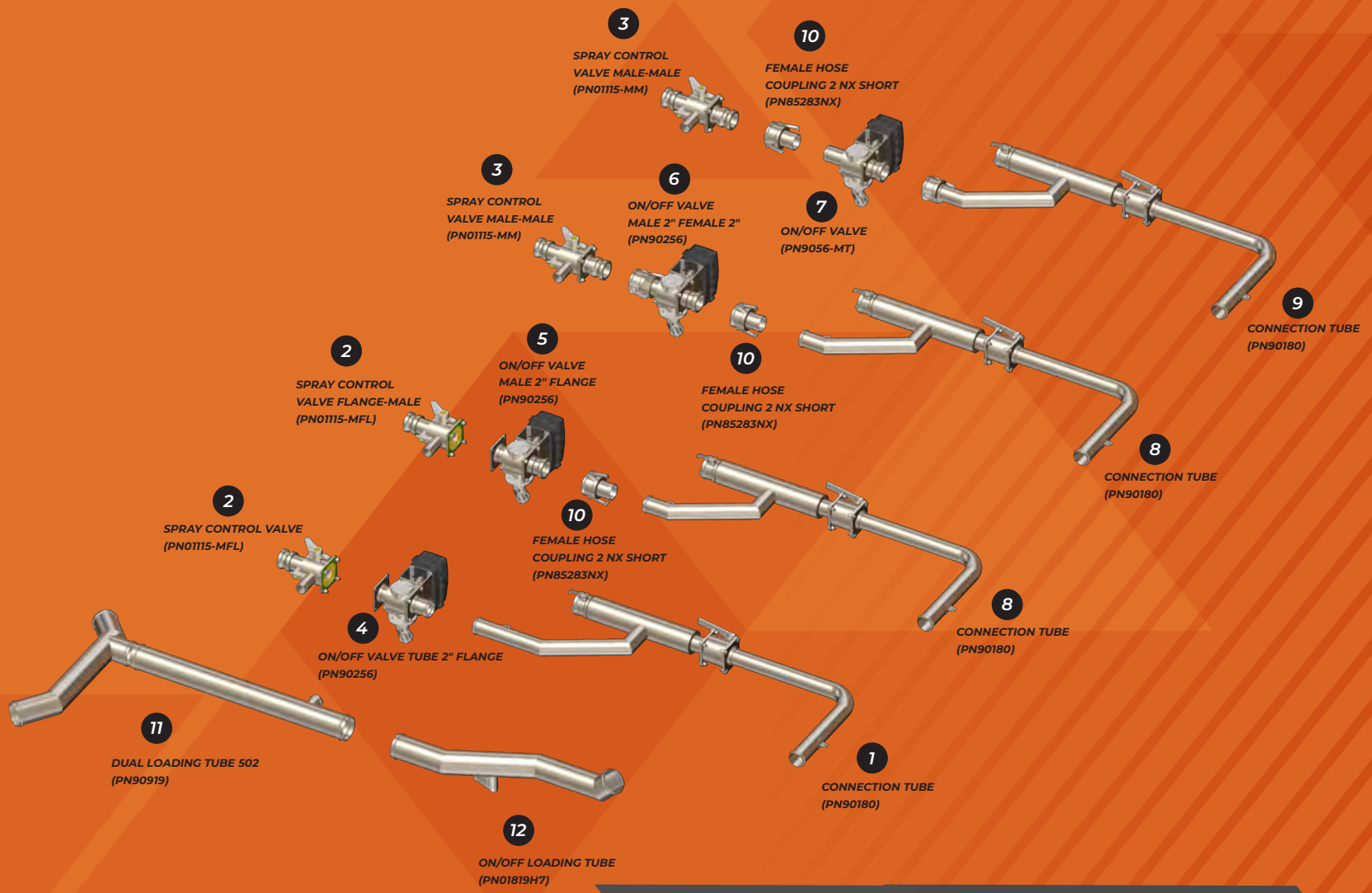


AGRICULTURAL EQUIPMENT

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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AIR TRACTOR 602
STAINLESS STEEL

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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

4 SPRAY VALVE CONNECTION TUBE (PN90189)

FLOWMETER TUBE (PN90207) 10

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.

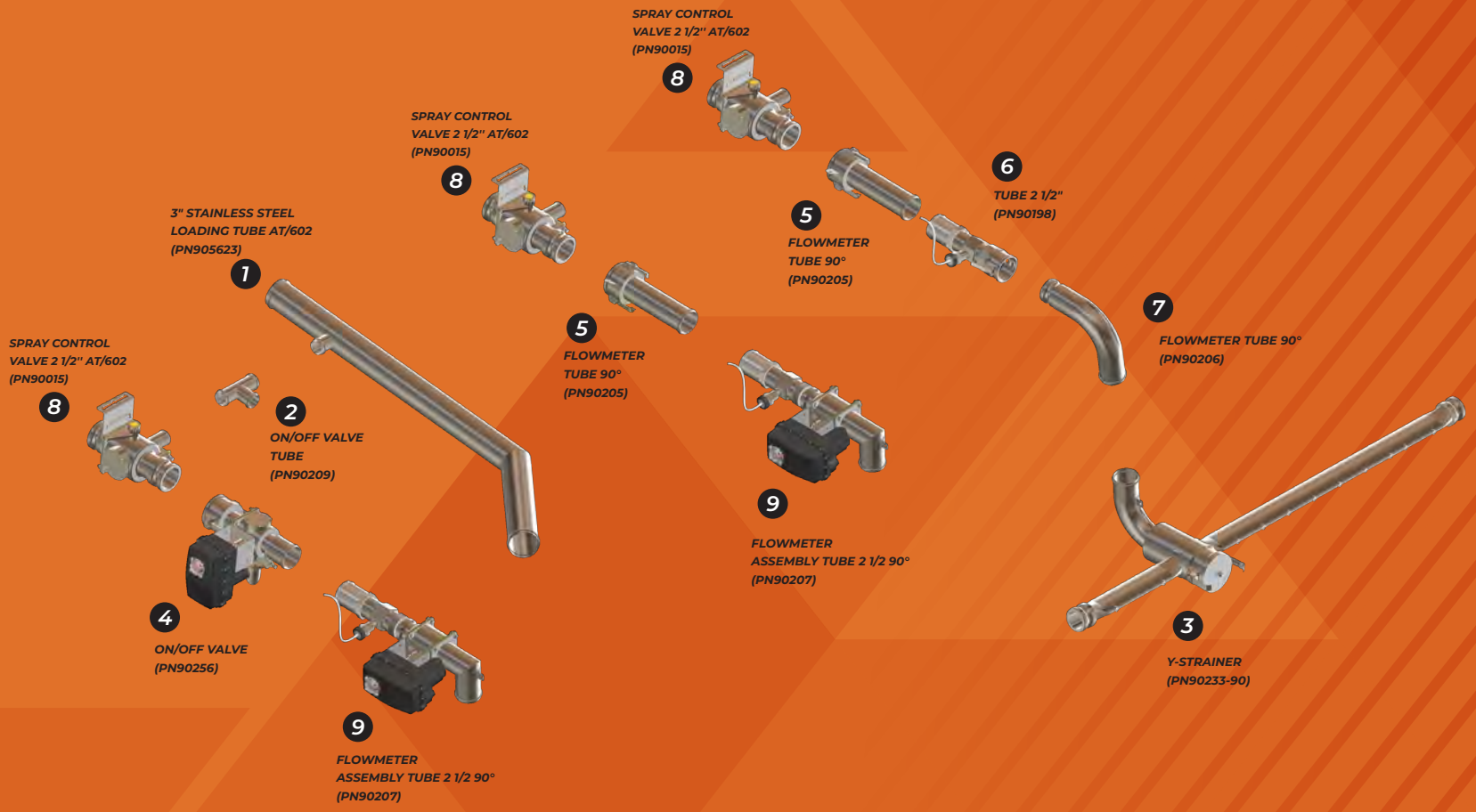


AGRICULTURAL EQUIPMENT

AIR TRACTOR 602

FLOW READER

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+1 850 876-3860



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.

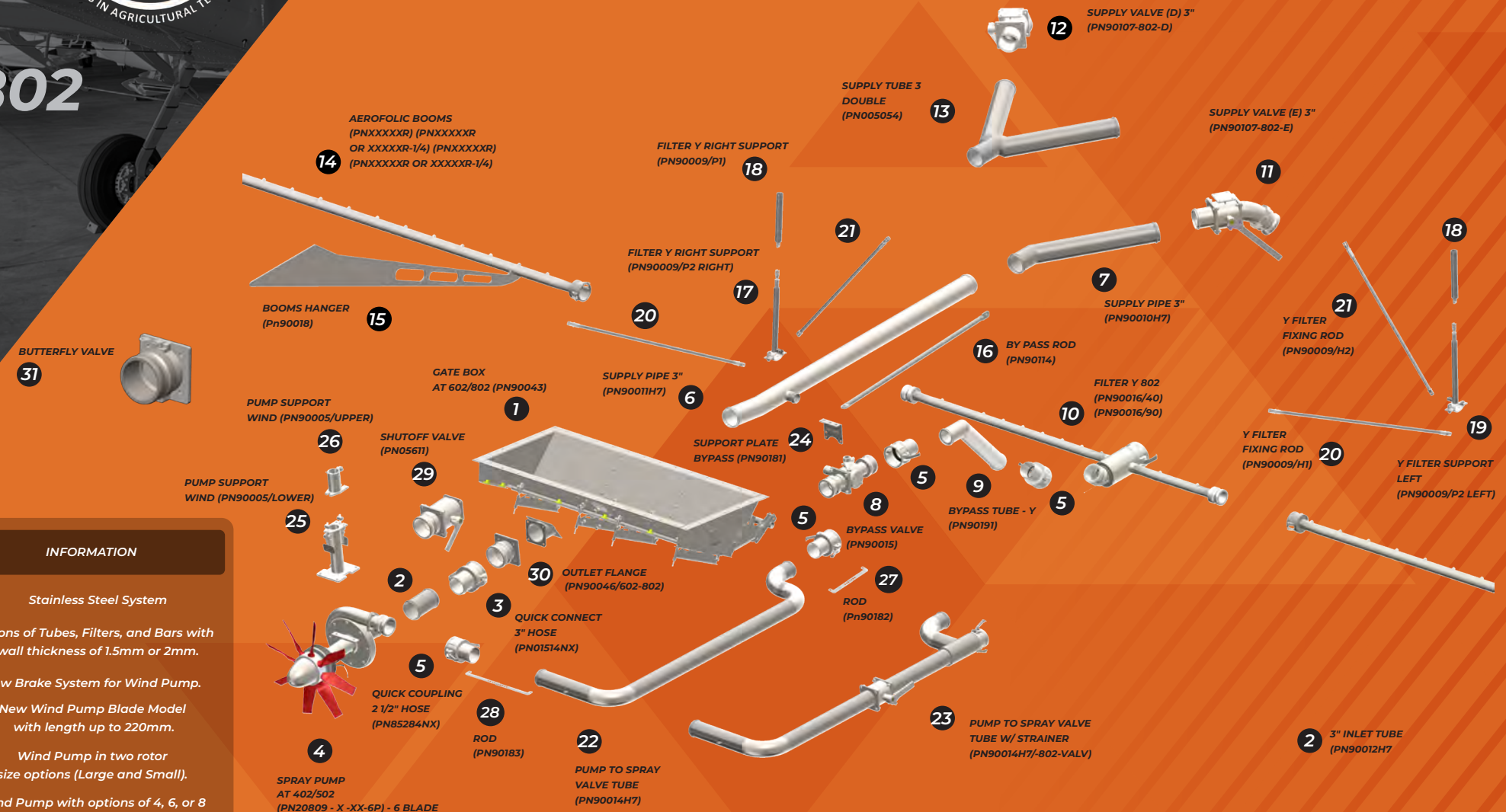


AGRICULTURAL EQUIPMENT

AIR TRACTOR 802

STAINLESS STEEL

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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".

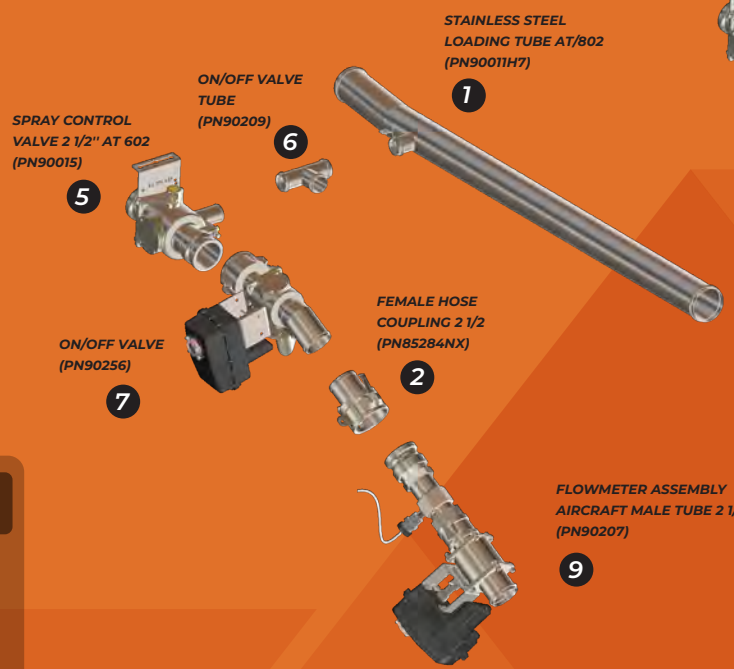


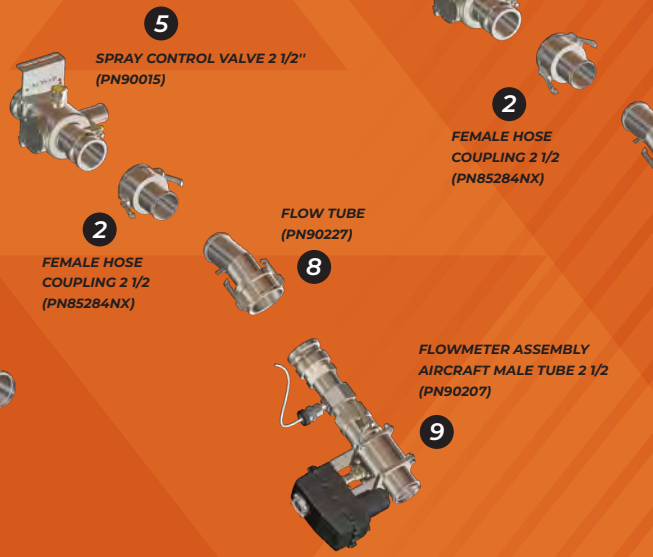
AGRICULTURAL EQUIPMENT

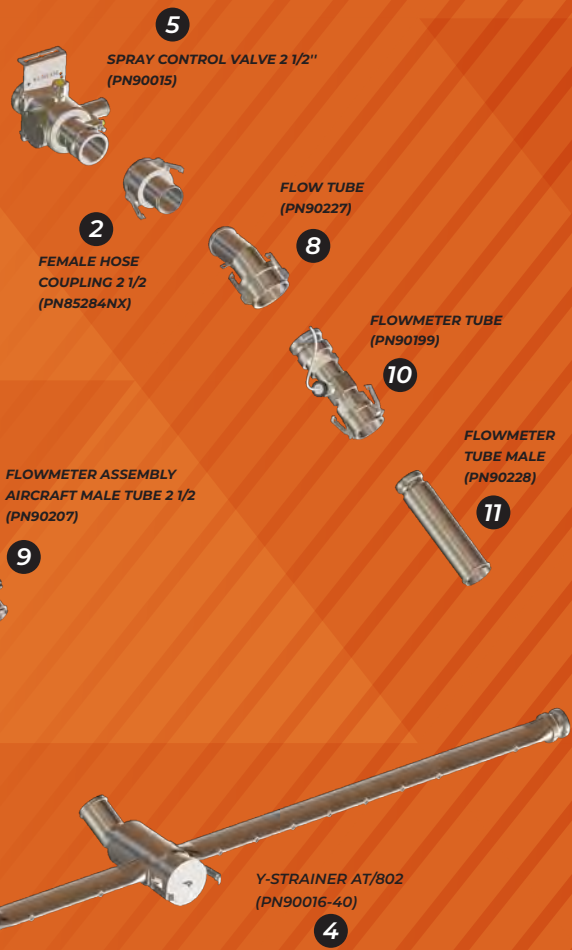
AIR TRACTOR 802

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.

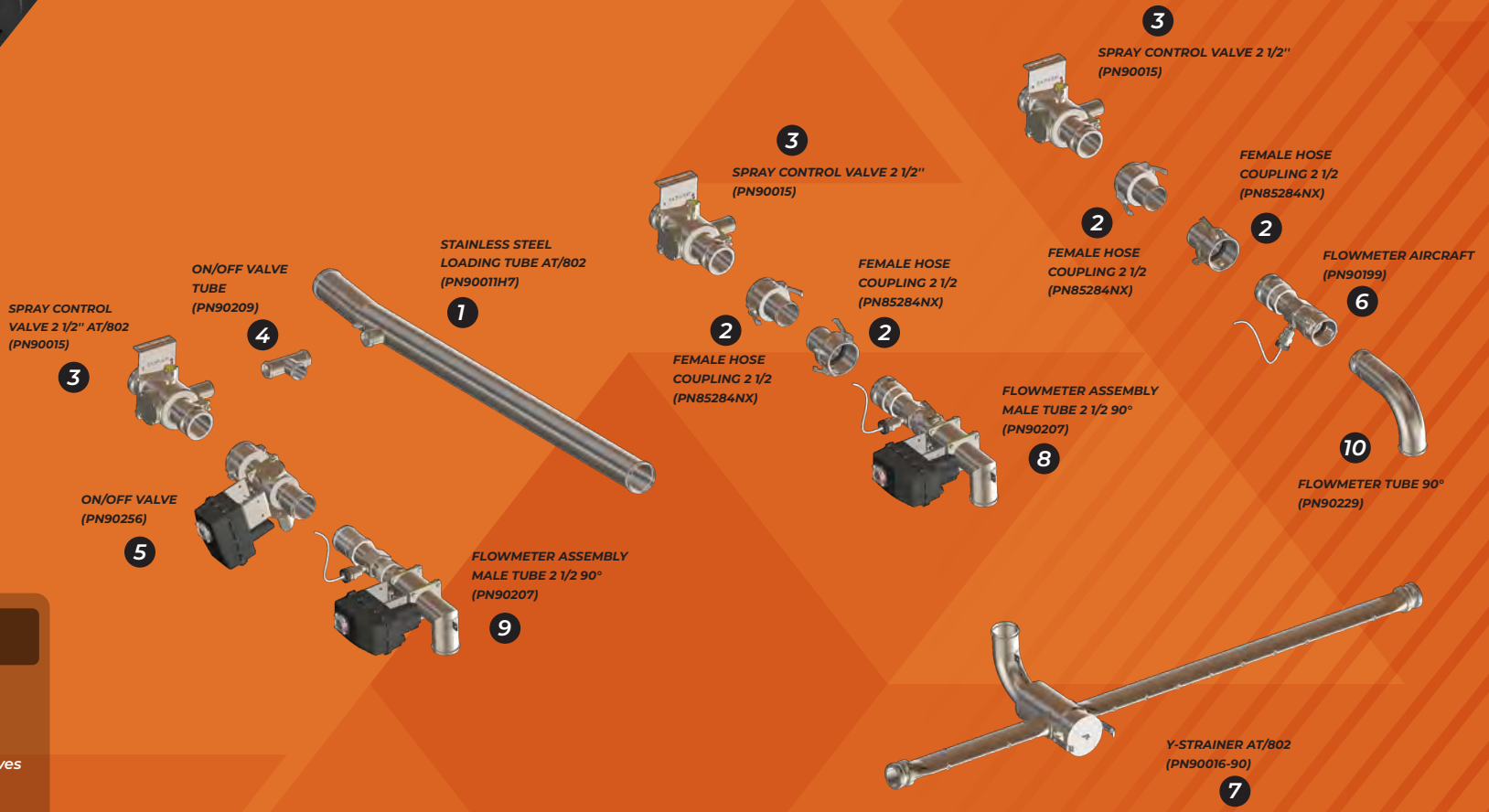


AGRICULTURAL EQUIPMENT

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.

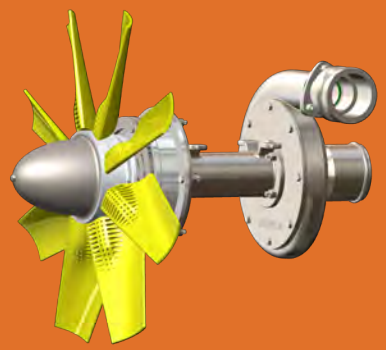
It can be adapted to FlowMeters and On/Off Valves from different manufacturers.

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

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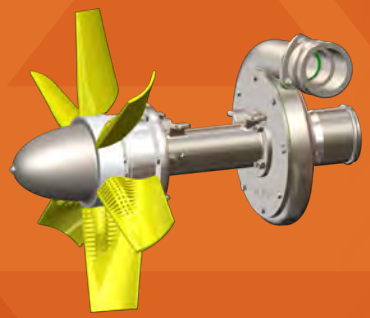
SPRAY PUMP

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.

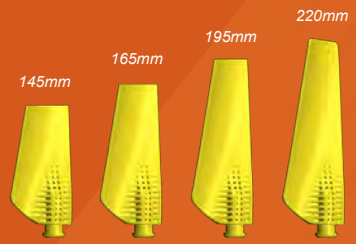
BRAKE SYSTEM



SQUARE AXIS

STRONGER BRAKE

BLADES OPTIONS



STANDARD BLADE

PERFORMANCE BLADE

CUBES OPTIONS



AIRCRAFT AIR TRACTOR 402 - 502 - 602 - 802

AGRICULTURAL EQUIPMENT
AIR TRACTOR
AEROFOLIC BAR

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BOOMS

AEROFOLIC BOOM TIP MODELS

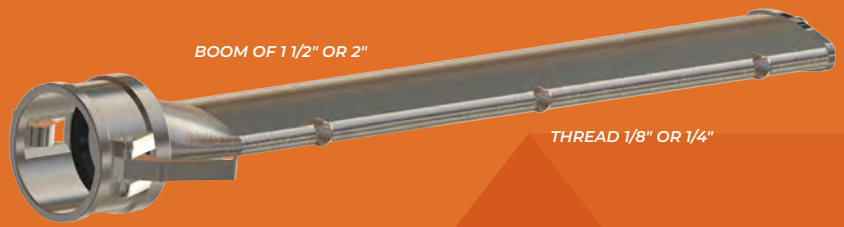
AEROFOLIC BOOMS- AT402
AT402(PN01813M) - 1 1/2" NOZZLE
AT402(PN07064M-1/8) - 1 1/2" ROTARY
AT402(PN07064M-1/4) - 1 1/2" ROTARY
AT402(PN01817M) - 2" NOZZLE
AT402(PN07065M-1/8) - 2" ROTARY
AT402(PN07065M-1/4) - 2" ROTARY

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

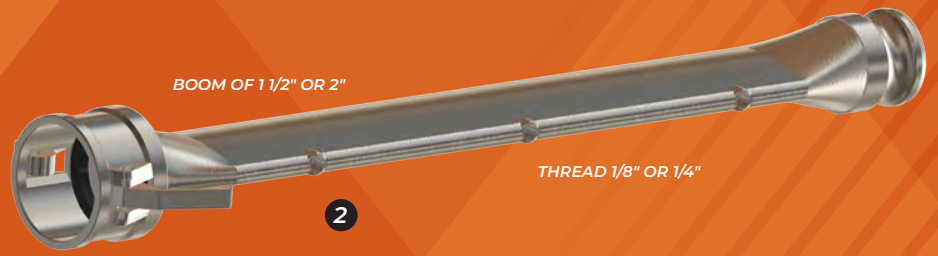
1





4

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



2

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.

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



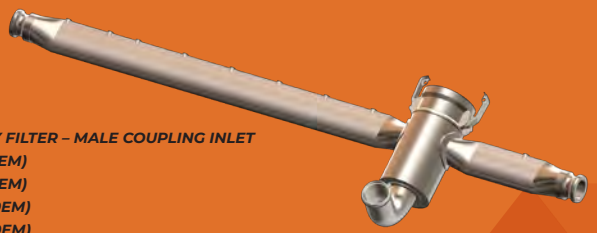
3

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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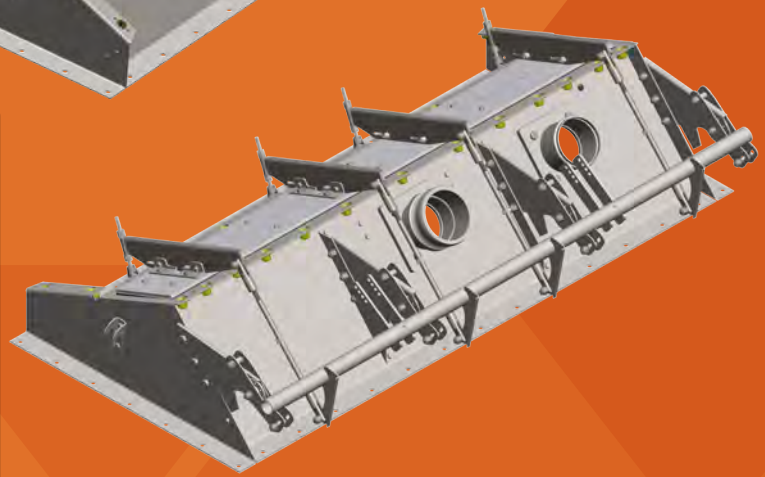
GATE BOX MODEL

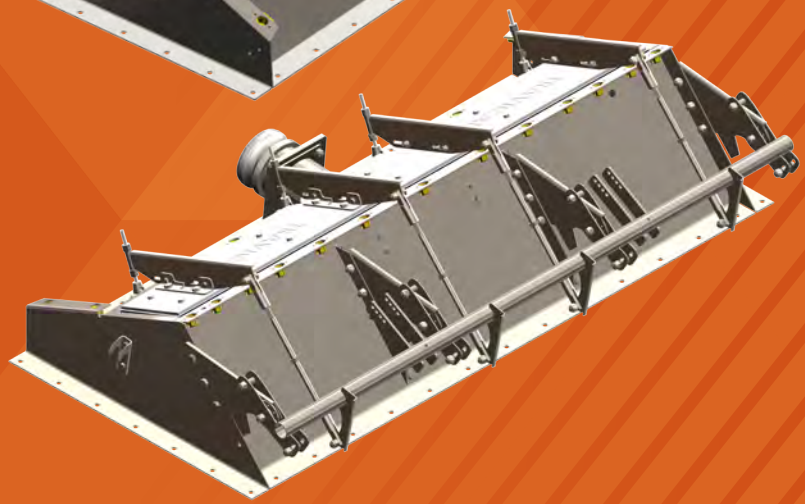


1
GATE BOX
AT402(PN90007)
AT502(PN90007)



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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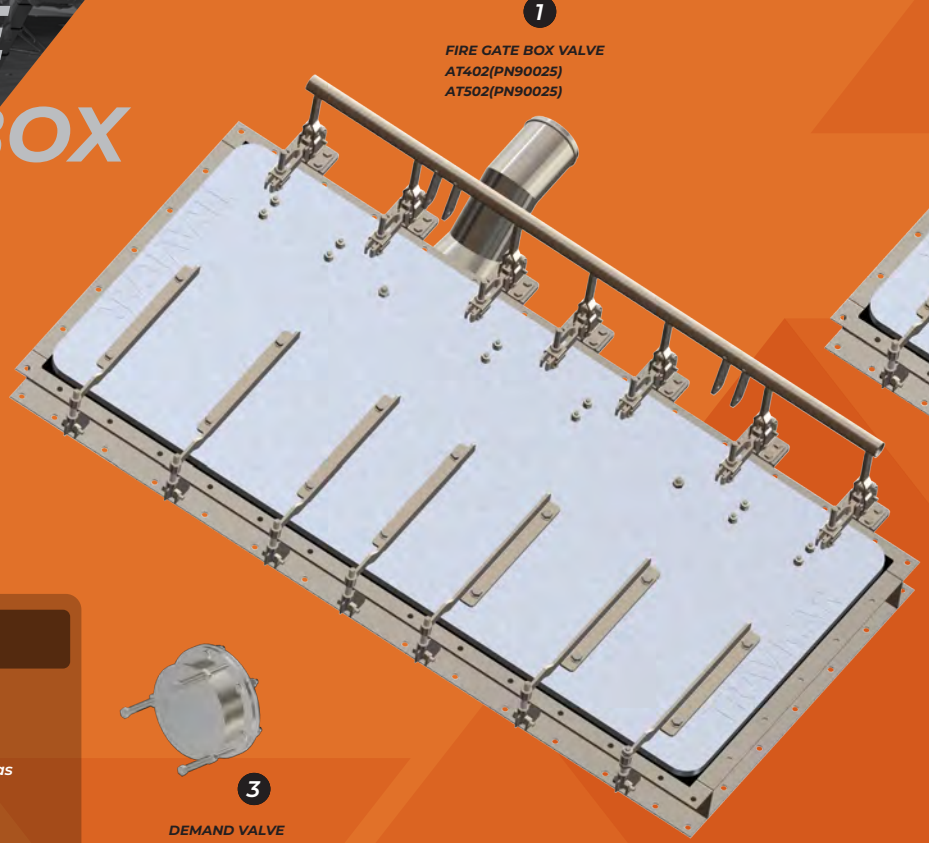
FIRE GATE BOX

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

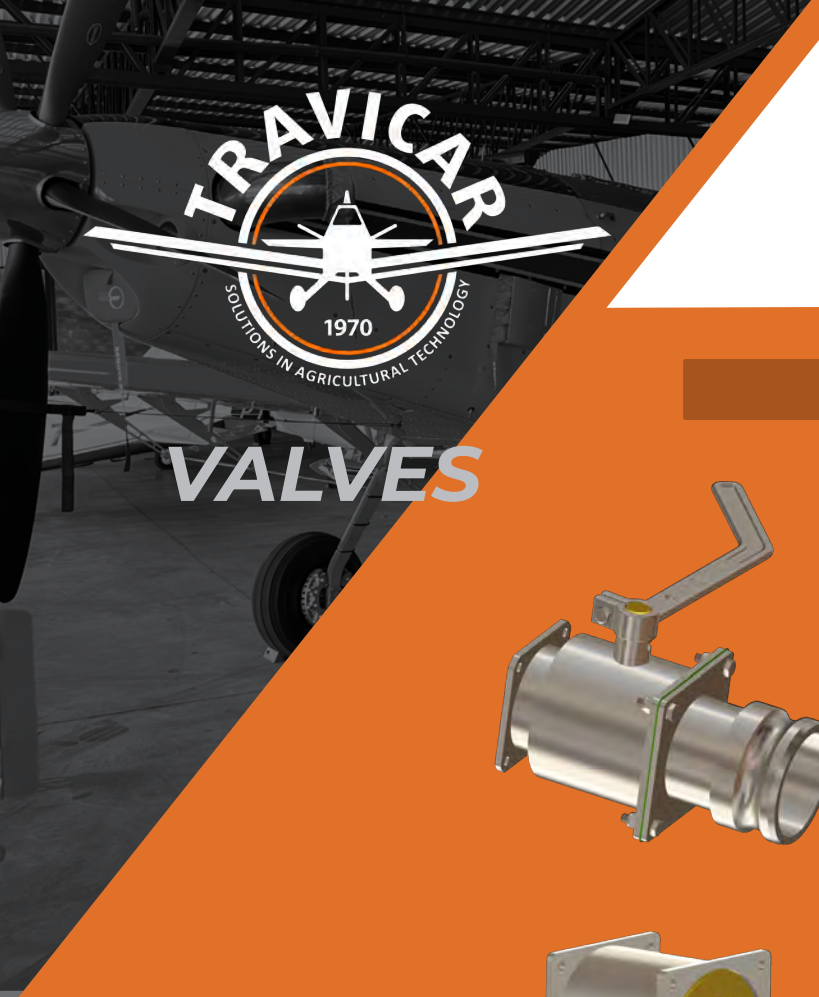
Stainless steel system.

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)

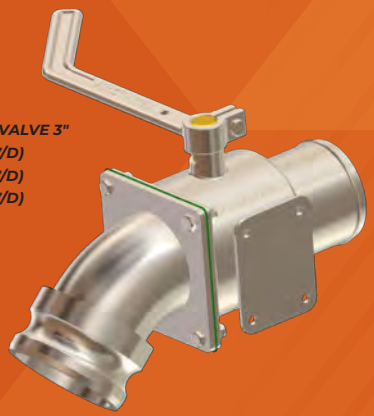


5
LEFT SUPPLY VALVE 3"
AT802(PN90107-802-E)



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

9
BUTTERFLY VALVE



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.

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1970

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.

AGRICULTURAL EQUIPMENT
AIR TRACTOR
VALVES

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FLOWMETER

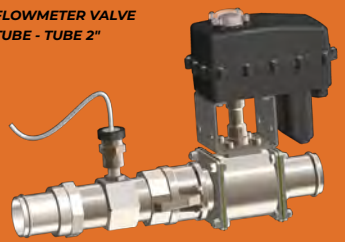
STAINLESS STEEL VALVE MODELS

ACTUATOR 1.5 sec
(PNG262)

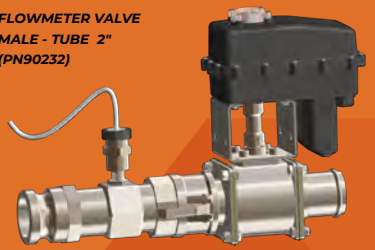


AIR TACTOR 402/502

1 FLOWMETER VALVE
TUBE - TUBE 2"



2 FLOWMETER VALVE
MALE - TUBE 2"
(PN90232)



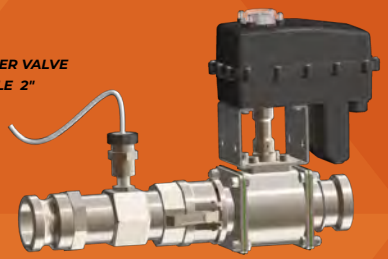
3 FLOWMETER VALVE
TUBE - TUBE 2" 90°
(PN90232)



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



5 FLOWMETER VALVE
MALE-MALE 2"
(PN90232)

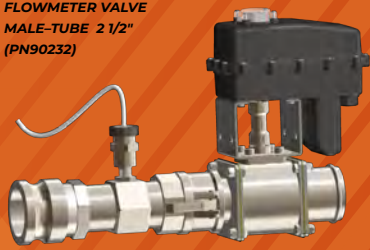


AIR TACTOR 602/802

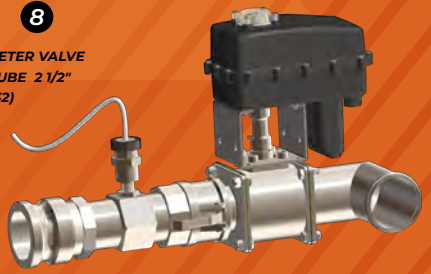
6 FLOWMETER VALVE
TUBE – TUBE 2 1/2" 90°
(PN90232-MM)



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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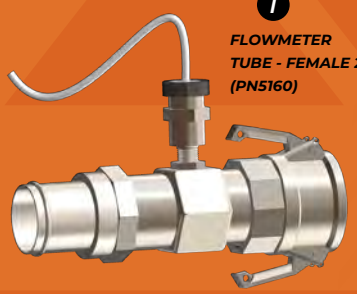
AGRICULTURAL EQUIPMENT
AIR TRACTOR
VALVES

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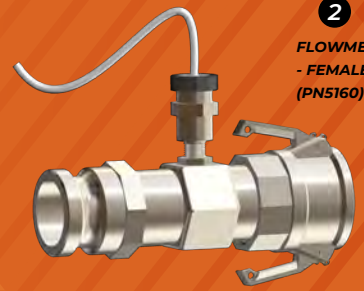
FLOWMETER

STAINLESS STEEL VALVE MODELS

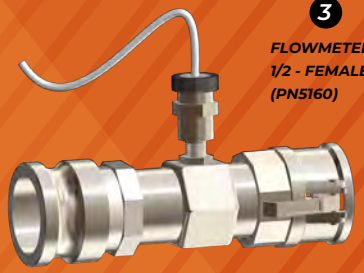
1 FLOWMETER TUBE - FEMALE 2" (PN5160)



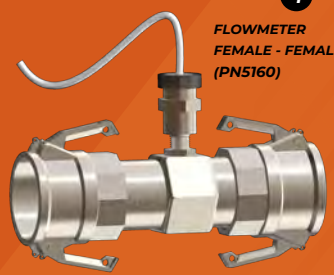
2 FLOWMETER MALE - FEMALE 2" (PN5160)



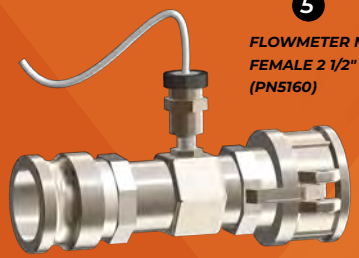
3 FLOWMETER MALE 2 1/2 - FEMALE 2" (PN5160)



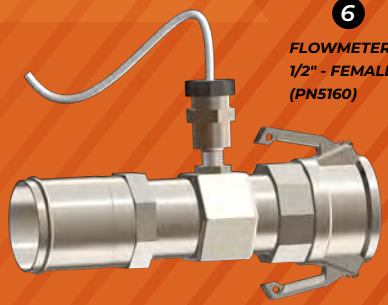
4 FLOWMETER FEMALE - FEMALE 2" (PN5160)



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)

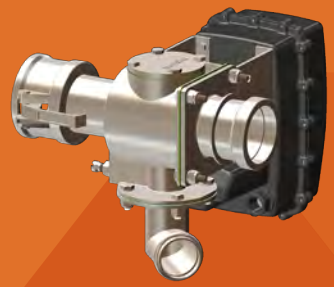


AIR TACTOR 402/502

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)

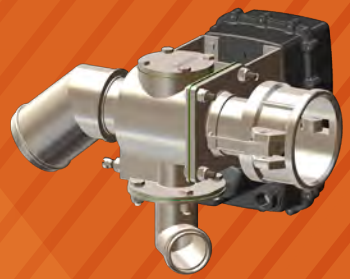


AIR TACTOR 602/802

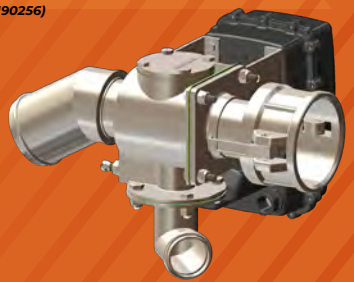
5
ON/OFF VALVE BPI AT602 - AT802
FEMALE – TUBE 2 1/2"
(PN90256)



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.

AGRICULTURAL EQUIPMENT
AIR TRACTOR
WIDE-SWATH SPREADER

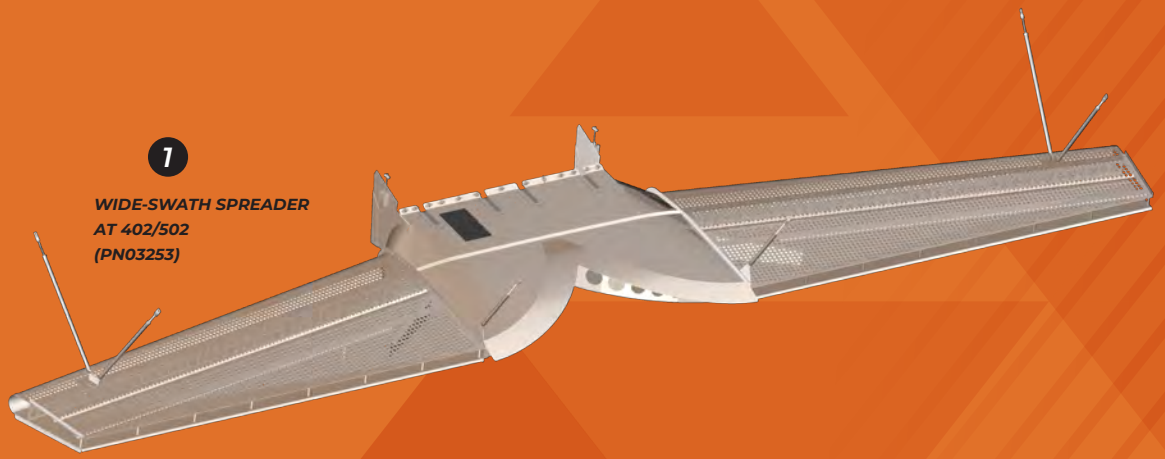
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WIDE-SWATH SPREADER

WIDE-SWATH SPREADER

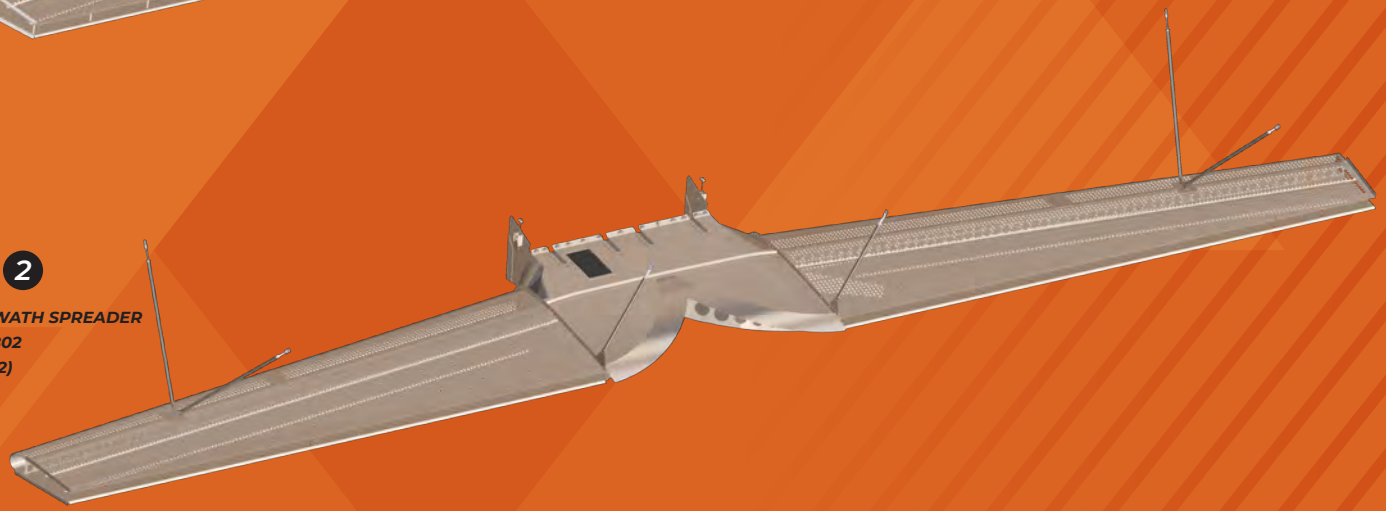
1

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.

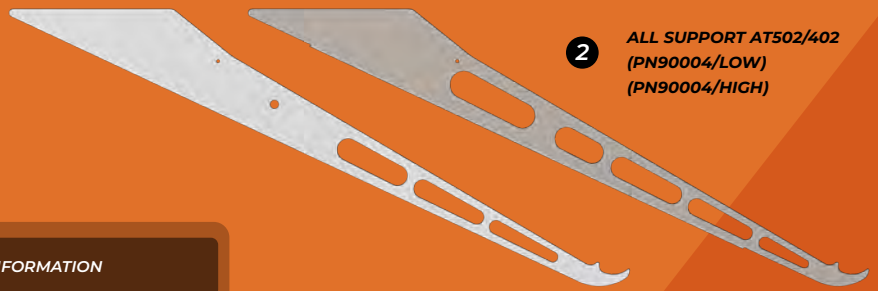
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BOOM HANGER

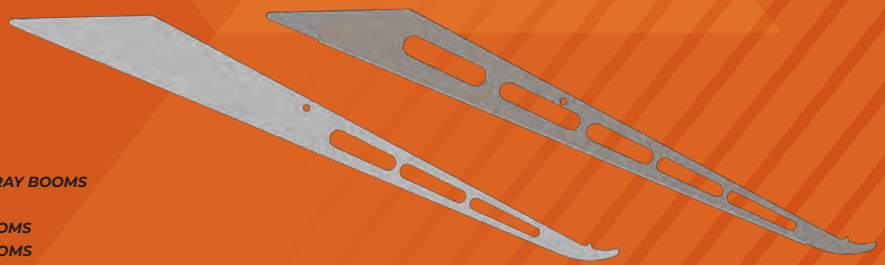
BOOM HANGER



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.



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AIRCRAFT
CESSNA 188



AGRICULTURAL EQUIPMENT

CESSNA

STAINLESS STEEL

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29 SPRAY BAR (FEMALE COUPLING OR HOSE CONNECTION)
(PN01787H7R or PN01787H7M) – 1 1/4" NOZZLE
(PN090235H7R or PN090235H7M) – 1 1/2" NOZZLE
(PN90174H7R-1/8 or PN90174H7M-1/8) – 1 1/2" ROTARY ATOMIZER
(PN90174H7R-1/4 or PN90174H7M-1/4) – 1 1/2" ROTARY ATOMIZER

26 BOOM HANGER 1
(PN90023-1)

HINGE IN STAINLESS STEEL
(PN01508) 1

CLOSING COMMAND TOP COVER
(PN90101) 3

2 TOP SEAL HOPPER
(PN01838)

27 BOOM HANGER 2
(PN90023-2)

28 BOOM SUPPORT
(PN90023-3)

2" INTERNAL FILLING PIPE
(PN01161H7) 20

SUPPLY VALVE 2" D
(PN01254H7) 23

DOUBLE SUPPLY PIPE
(PN90100H7) 22

SUPPLY PIPE 90°
(PN01162H7) 21

24 SUPPLY VALVE 2" E
(PN01770H7)

Y FILTER
(PN01774H7) 19

1 1/2" HOSE QUICK COUPLING
(PN85282NX) 25

GATE BOX
(PN01440) 1

18 GATEBOX CONTROL ROD
(PN01450)

2" SHUT-OFF VALVE
(PN01734) 11

17 SPRAY VALVE CONTROL ROD
(PN01559)

16 BYPASS CONNECTION PIPE – Y FILTER
(PN01679H7)

14 BYPASS VALVE
(PN01772H7)

10 GATE BOX OUTLET FLANGE (PN01712)

DOUBLE TUBE WIND PUMP SUPPORT
(PN01670) 8

2

7 QUICK CONNECT HOSE – 45°
(PN01013NX)

15 45° SPRAY VALVE
(PN01772H7/45)

12 FLOWMETER FILTER
(PN01708H7/VALV)

ADAPTED WIND PUMP SUPPORT
(PN01670) 9

13 WIND PUMP INLET FILTER
(PN01708H7/C)

2 QUICK COUPLING HOSE 2"
(PN85283NX)

3 SPRAY PUMP
(PN01781FT-XX-8P) - 8 BLADE
(PN01781FT-XX-6P) - 6 BLADE
(PN01781FT-XX-4P) - 4 BLADE

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".

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)



10 FLOWMETER MALE - MALE (PN90222/MM)



4 PIPE COUPLING (PN01676-FLUX3)



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.

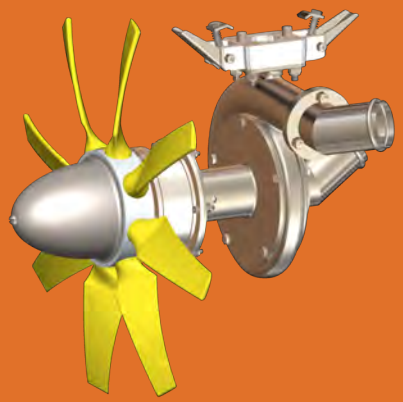
AIRCRAFT CESSNA 188

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.

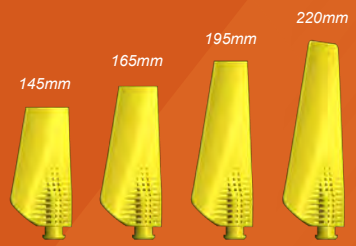
BRAKE SYSTEM



SQUARE AXIS

STRONGER BRAKE

BLADES OPTIONS



STANDARD BLADE

PERFORMANCE BLADE

CUBES OPTIONS



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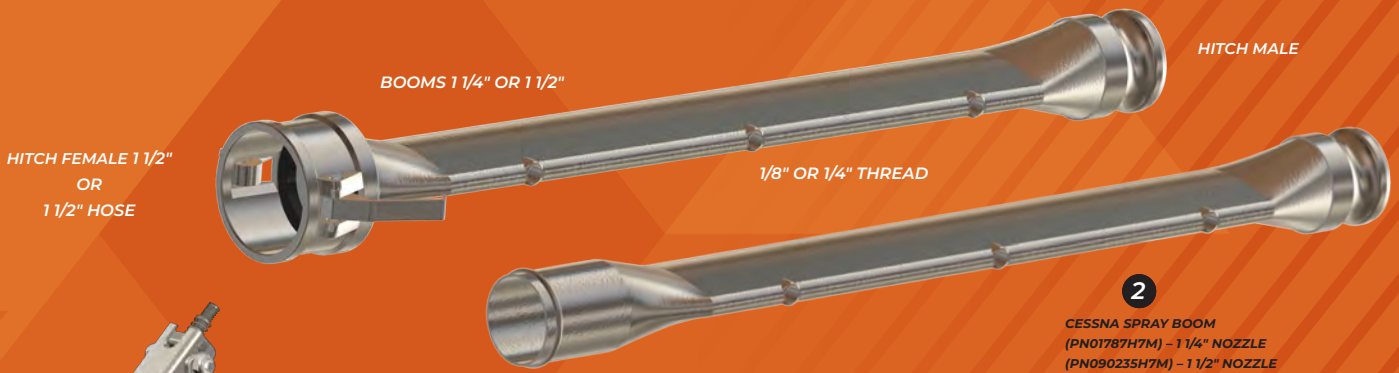
BOOMS

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.

AGRICULTURAL EQUIPMENT

CESSNA

Y FILTER

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Y FILTER

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.

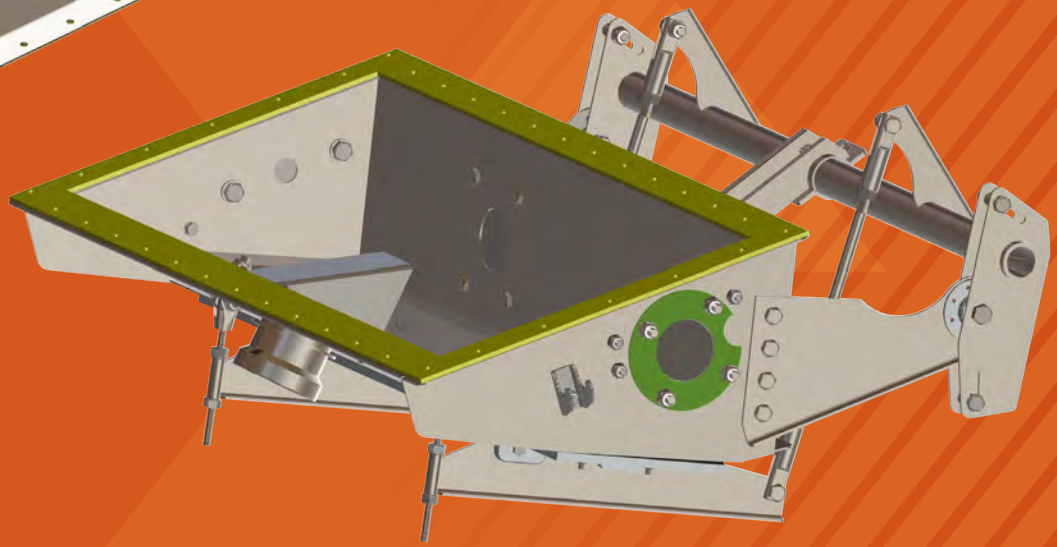
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GATE BOX

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

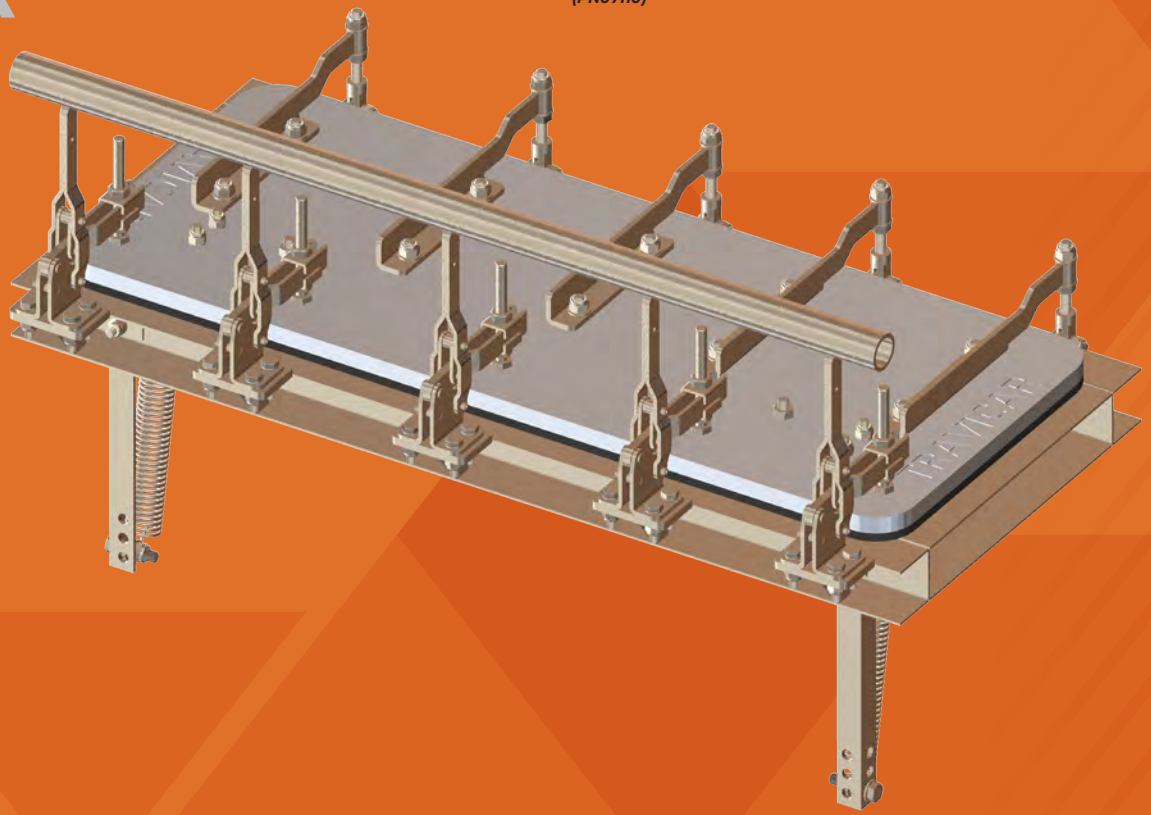
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FIRE GATE BOX

AIRCRAFT CESSNA 188

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.

VALVES

AGRICULTURAL EQUIPMENT
CESSNA
VALVES

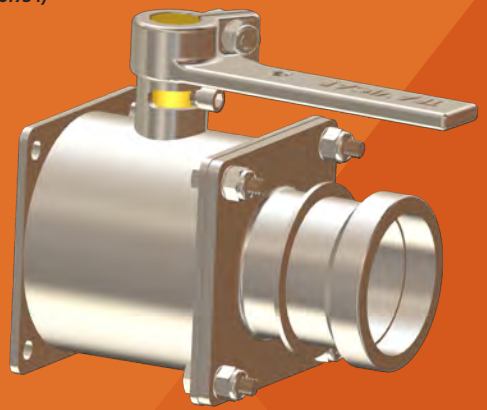
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AIRCRAFT CESSNA 188

STAINLESS STEEL VALVE MODELS

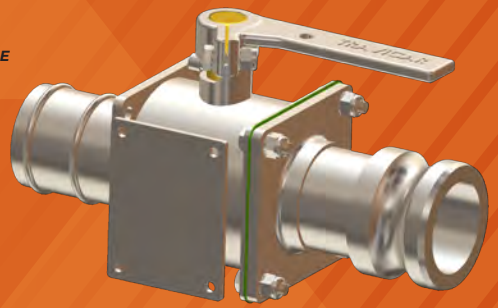
SHUT-OFF VALVE

1 2" SHUT-OFF VALVE (PN01734)

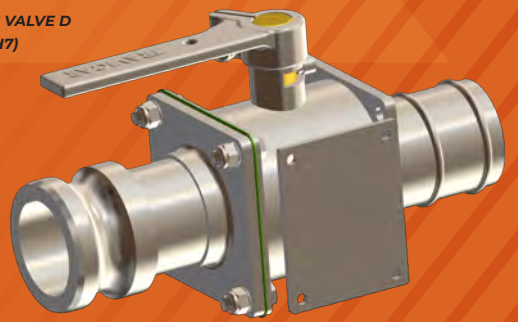


FILLING VALVE

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.

BYPASS

AGRICULTURAL EQUIPMENT
CESSNA
VALVES

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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.

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FLOWMETER

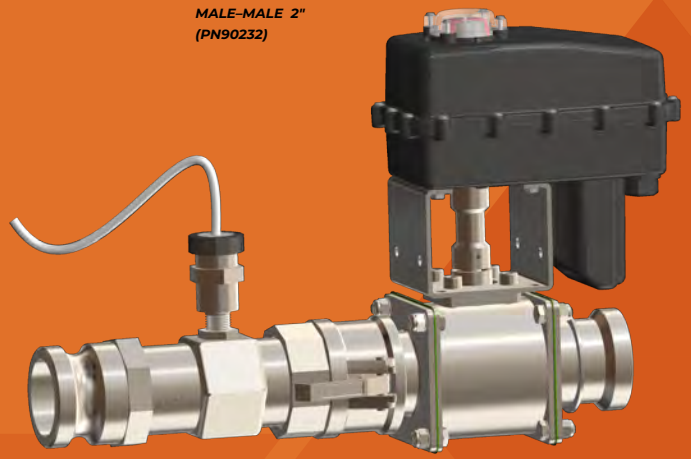
STAINLESS STEEL VALVE MODELS

FLOWMETER

ACTUATOR 1.5 sec
(PNG262)

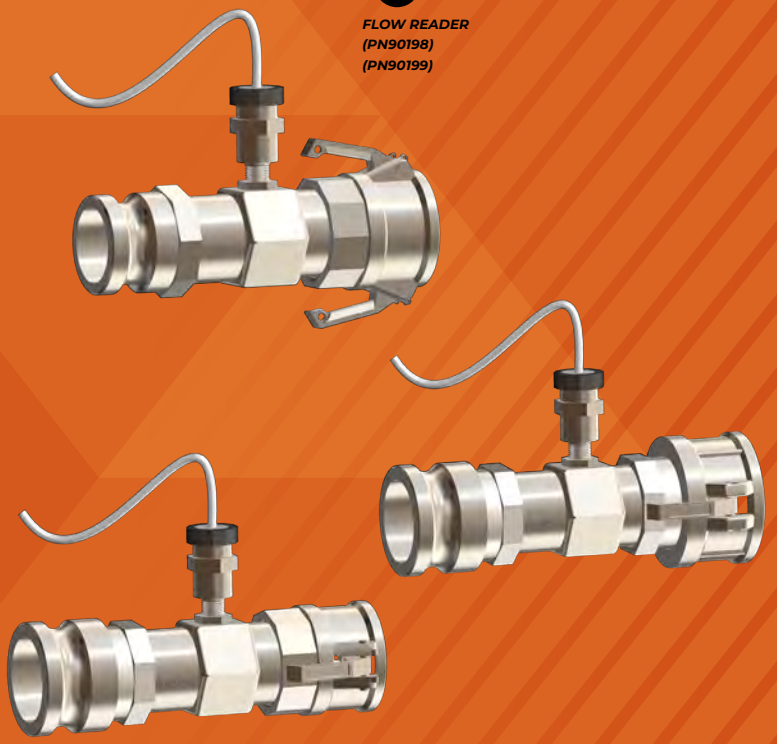


1
FLOWMETER VALVE
MALE-MALE 2"
(PN90232)



FLOW READER

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.

AGRICULTURAL EQUIPMENT
CESSNA
VALVES

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VALVES

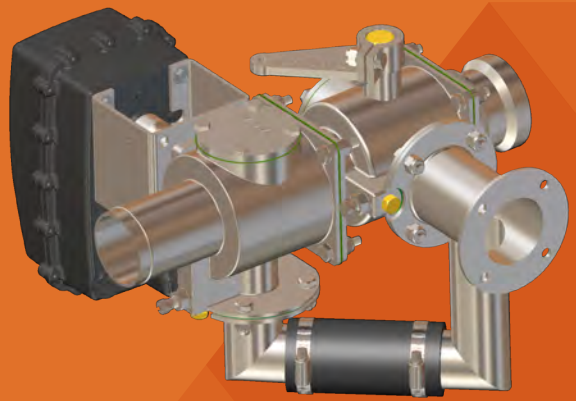
STAINLESS STEEL VALVE MODELS ON/OFF

ACTUATOR 0.5 sec
(PNG264)



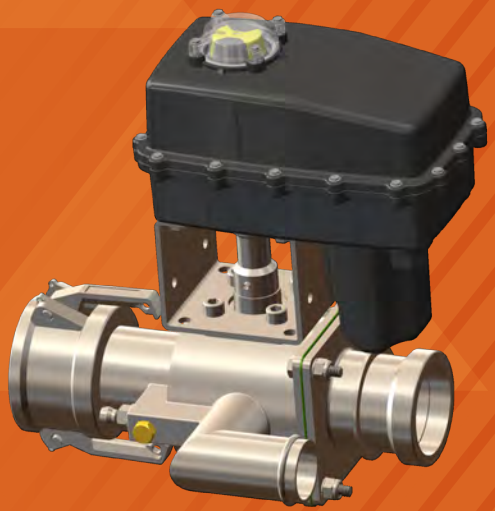
1

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.

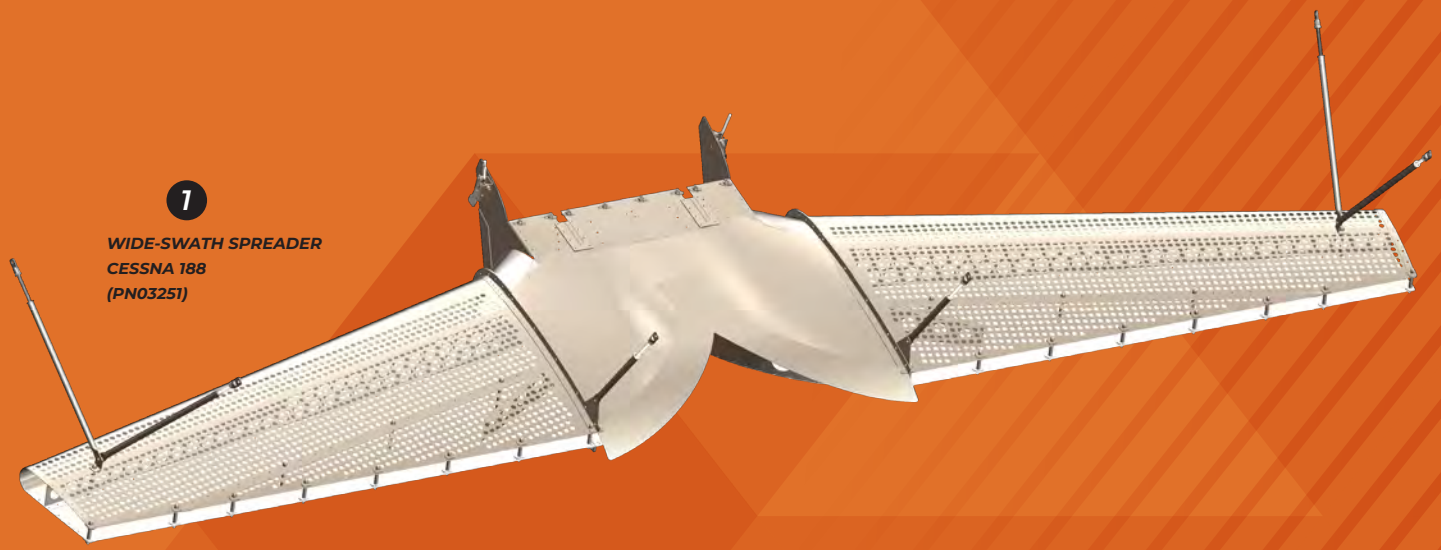
Flowmeter valves with automatic opening and closing, available in various configuration options.

Customization options for connections and assemblies.

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WIDE-SWATH SPREADER

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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1970

235/260

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)

15 PAWNEE 235/260 ROUND BOOM (PN01234H7)
16 PAWNEE 235/260 ROUND BOOM (PN01221H7)
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)
6 2" SUPPLY PIPE (PN01602H7)
9 2" SUPPLY VALVE 9 (PN01833)
14 Y FILTER (PN01148)
8 SUPPLY FLANGE - RETURN (PN90137H7)
1 GATE BOX (PN01992)
10 GATE BOX CONTROL ROD (PN90135)
11 BYPASS CONTROL ROD (PN90136)
7 1 1/2" RETURN TUBE (PN90134H7)
20 SPRAY PUMP INLET TUBE (PN90133H7)
4 BYPASS VALVE (PN42616H7)
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".

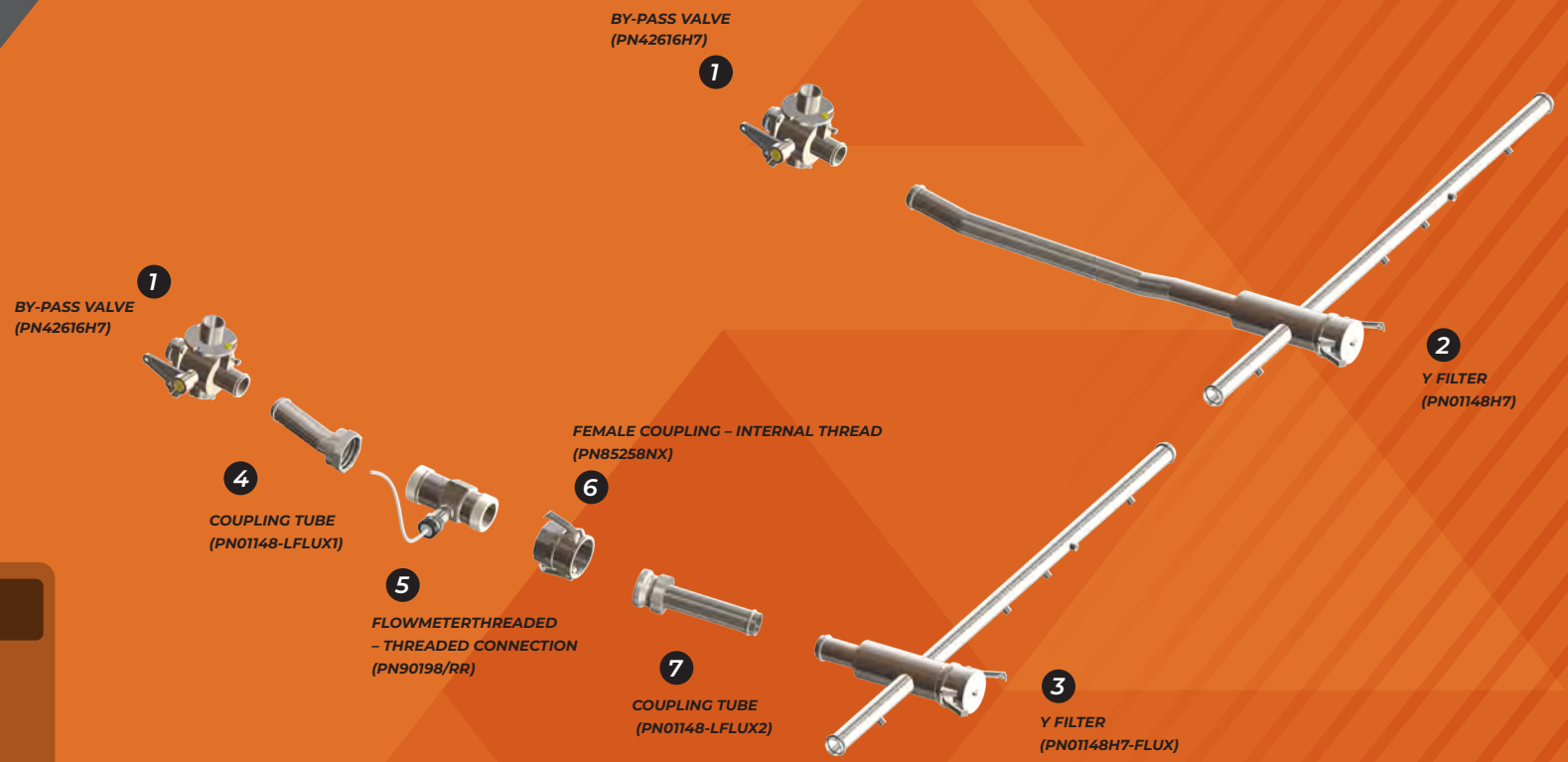
AIRCRAFT PIPER - PAWNEE 235/260 - BRAVE

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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.



AGRICULTURAL EQUIPMENT

PAWNEE 235/260

FLOW READER

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BY-PASS VALVE
(PN42616H7)

1





2

Y FILTER
(PN01148H7)

BY-PASS VALVE
(PN42616H7)

1





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.

AIRCRAFT PIPER - PAWNEE 235/260 - BRAVE

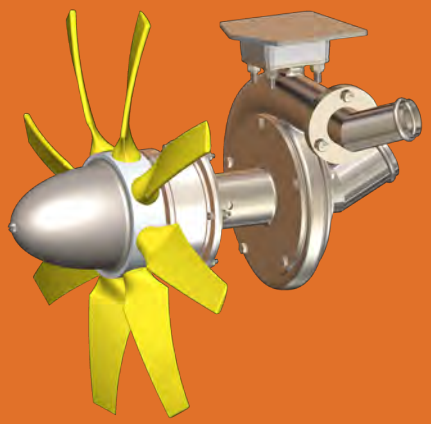
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SPRAY PUMP

AGRICULTURAL EQUIPMENT
PAWNEE 235/260
SPRAY PUMP

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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.

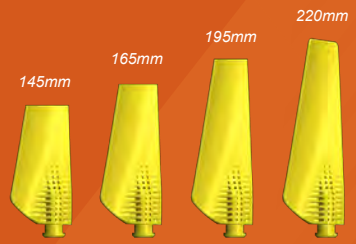
BRAKE SYSTEM



SQUARE AXIS

STRONGER BRAKE

BLADES OPTIONS



STANDARD BLADE

PERFORMANCE BLADE

CUBES OPTIONS



PAWNEE 235/260

CENTER BOOMS

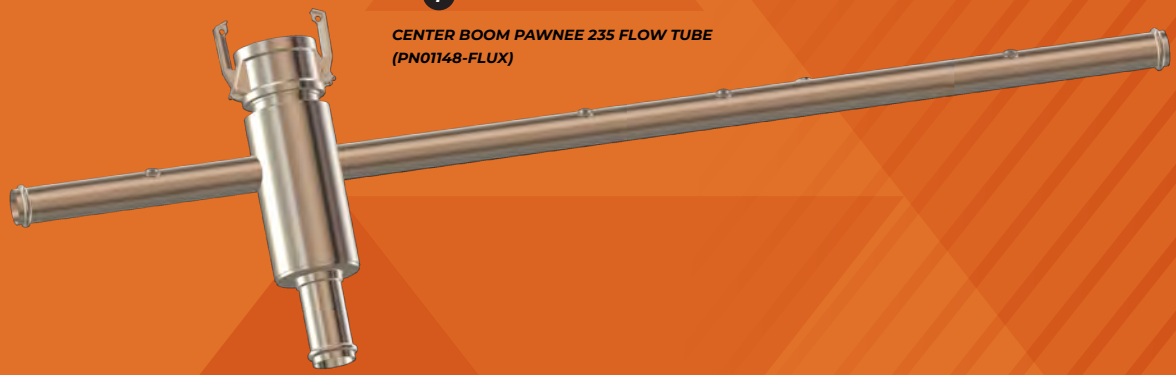
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CENTER BOOMS

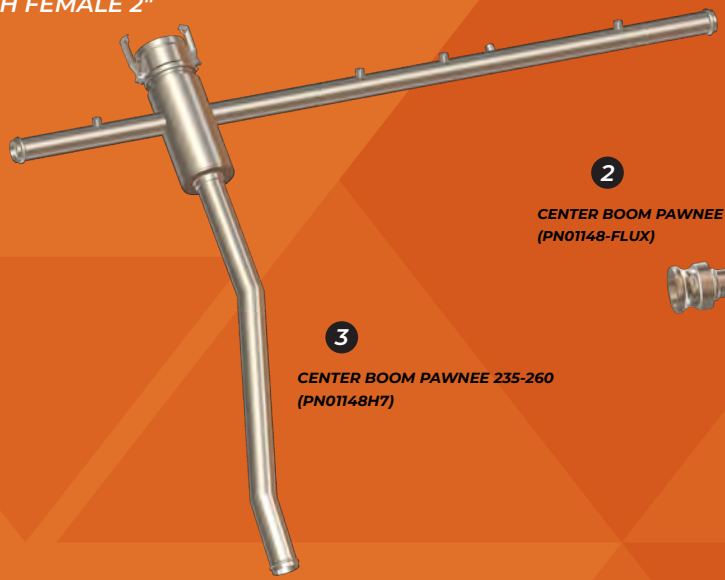
CENTER BOOMS MODEL

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.

AIRCRAFT PIPER - PAWNEE 235/260 - BRAVE

AGRICULTURAL EQUIPMENT

PAWNEE 235/260

VALVES

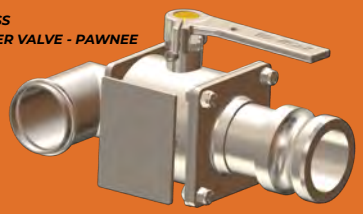
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VALVES

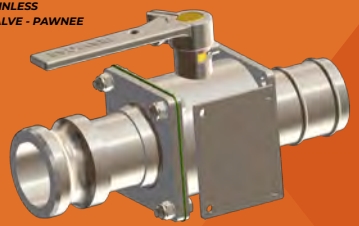
STAINLESS STEEL VALVE MODELS

LOADER VALVE

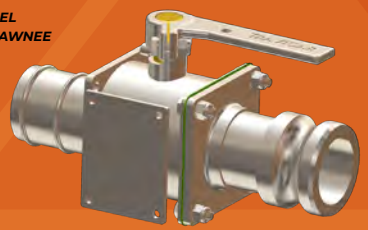
1 **90° STAINLESS STEEL LOADER VALVE - PAWNEE (PN01833)**



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)**

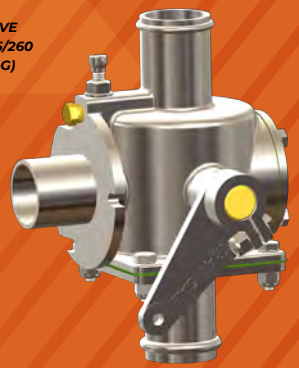


SPRAY CONTROL VALVE

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.

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FLOWMETER

STAINLESS STEEL VALVE MODELS

ACTUATOR 1.5 sec
(PNG262)



FLOWMETER

1

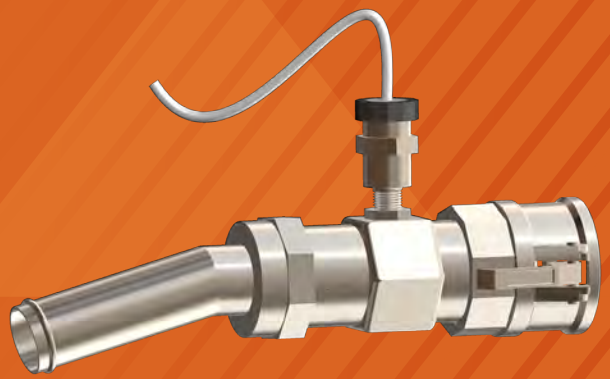
FLOWMETER ASSEMBLY AIRCRAFT DN40
HOSE 1 1.2'' 15° - HOSE 1 1.2'' - PAWNEE



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.

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AGRICULTURAL EQUIPMENT
PAWNEE 235/260
WIDE-SWATH SPREADER

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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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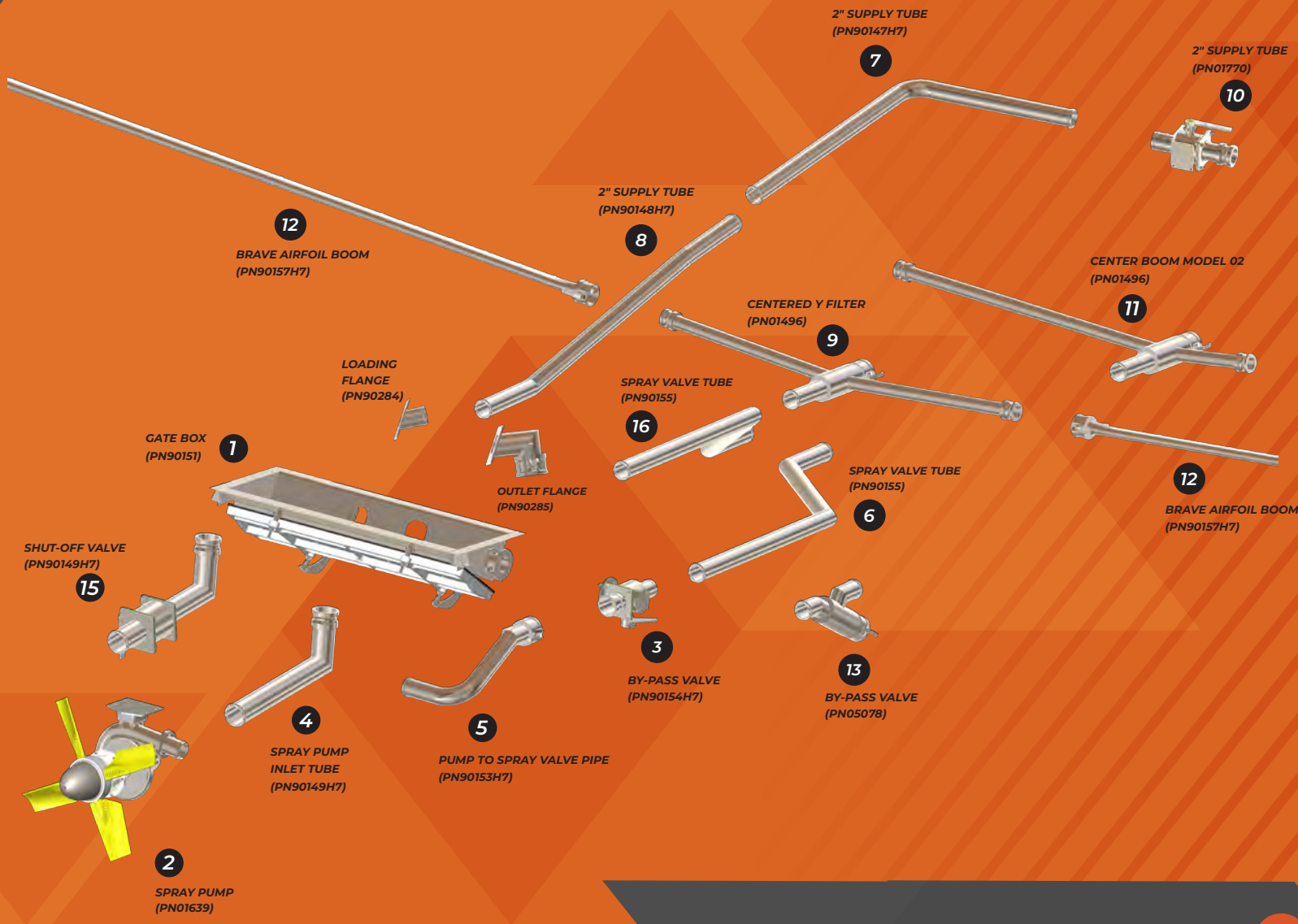
AGRICULTURAL EQUIPMENT

BRAVE

STAINLESS STEEL

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BRAVE



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".

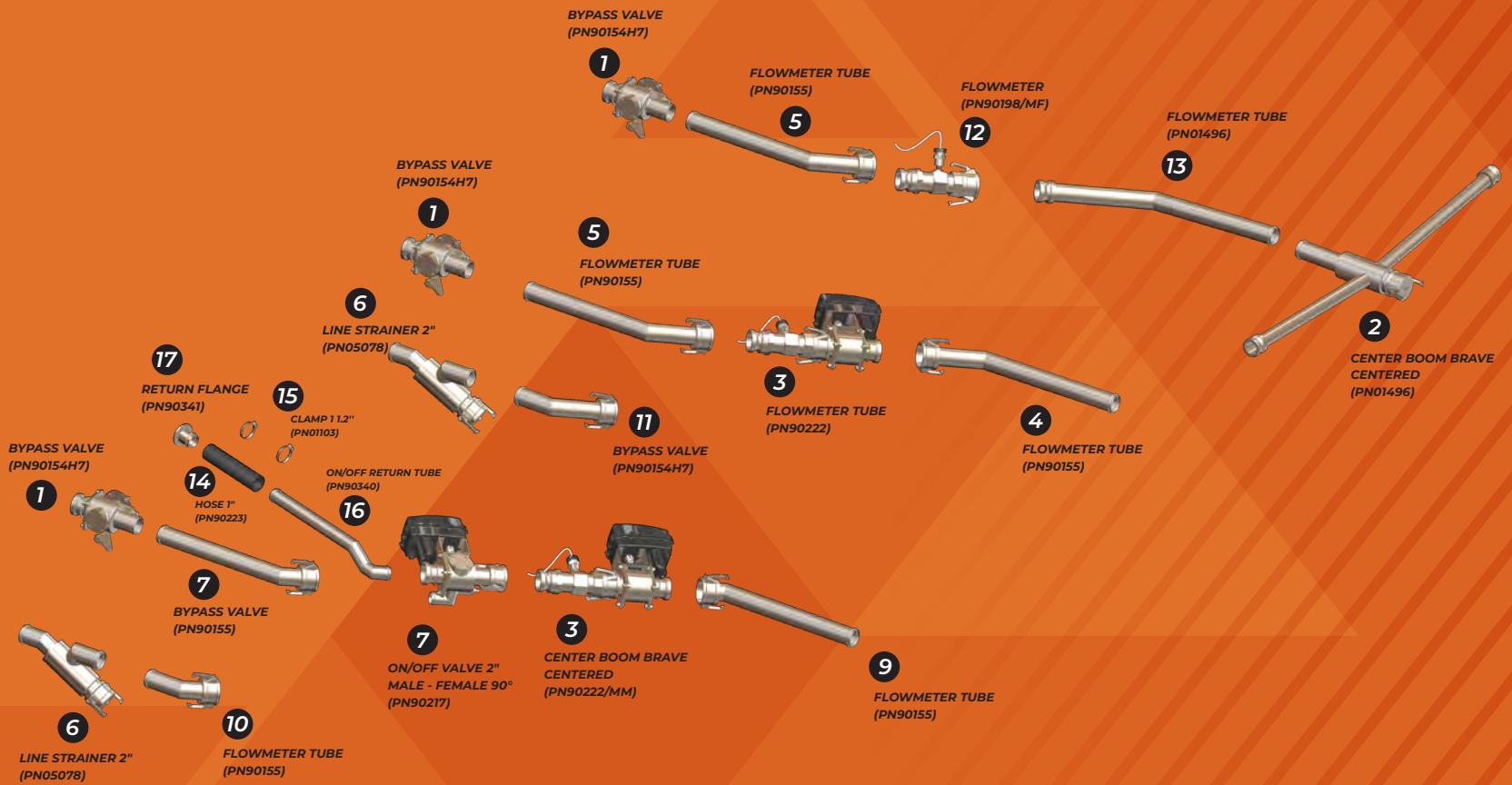
AIRCRAFT PIPER - PAWNEE 235/260 - BRAVE

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BRAVE

AGRICULTURAL EQUIPMENT
BRAVE
FLOW READER

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INFORMATION

Stainless Steel System.

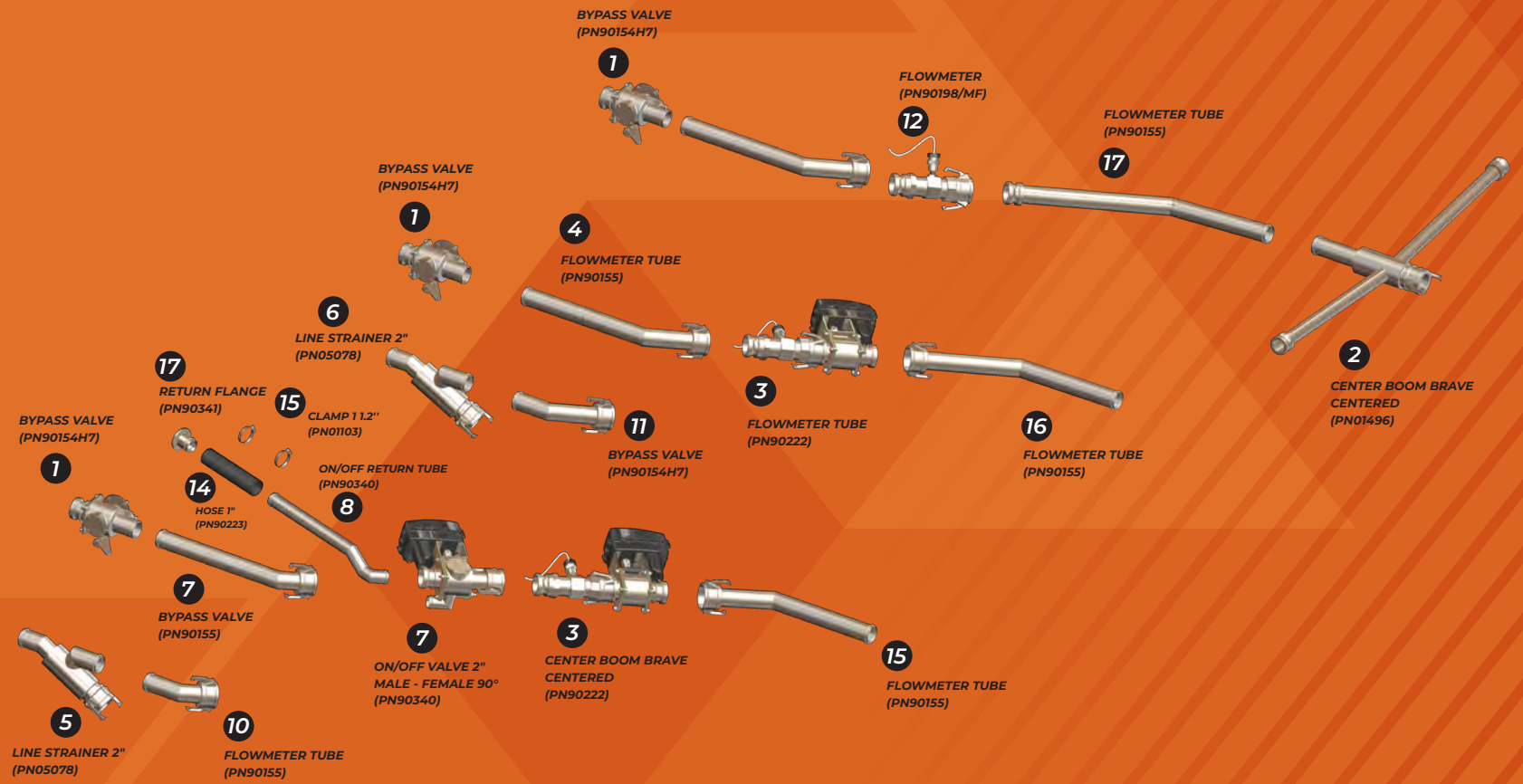
Connections between tubes and valves can be made using quick couplings or hose options.

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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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

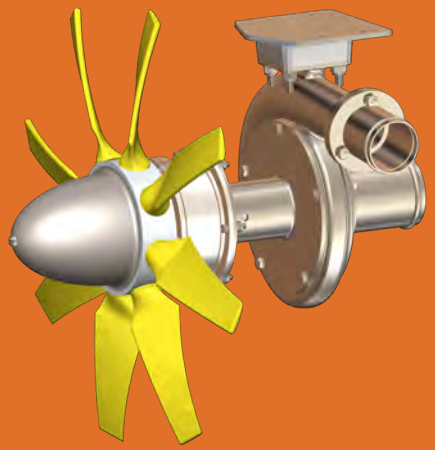
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SPRAY PUMP

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.

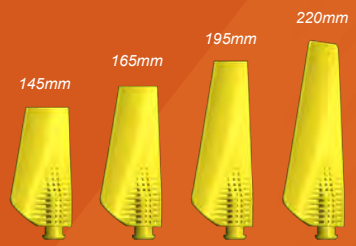
BRAKE SYSTEM



SQUARE AXIS

STRONGER BRAKE

BLADES OPTIONS



STANDARD BLADE

PERFORMANCE BLADE

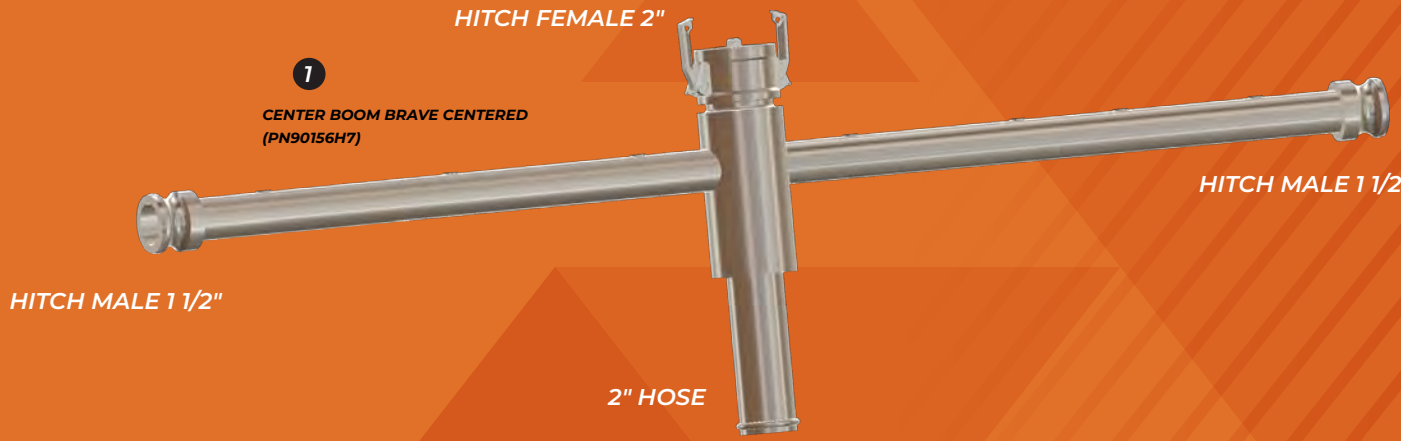
CUBES OPTIONS

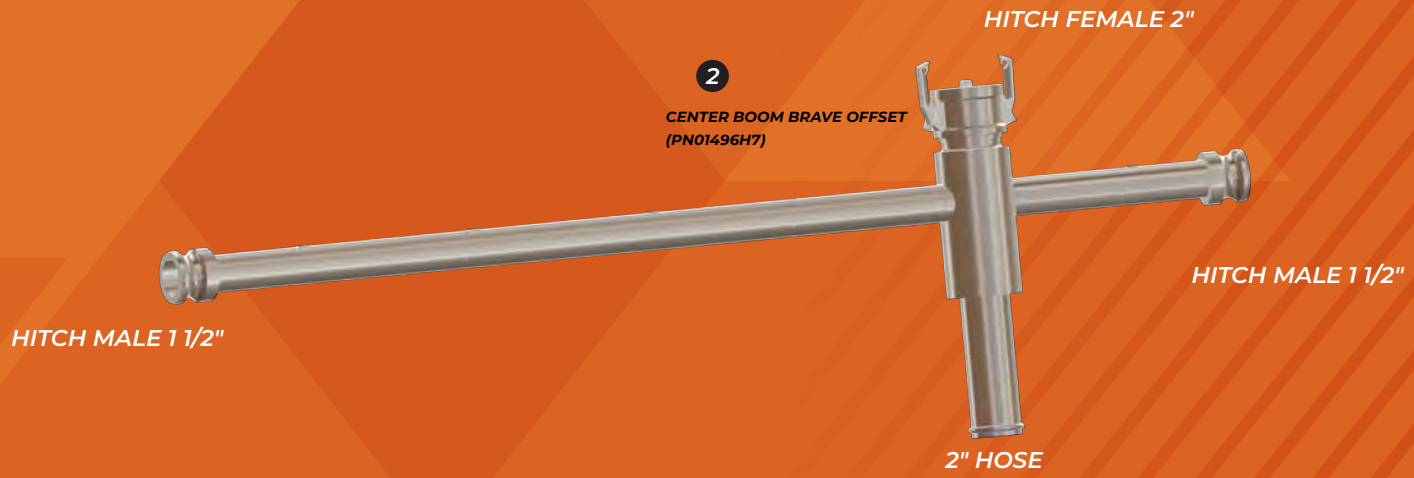


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Y FILTER

STAINLESS STEEL Y FILTER MODEL





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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VALVES

AIRCRAFT PIPER - PAWNEE 235/260 - BRAVE

STAINLESS STEEL VALVE MODELS

SPRAY CONTROL VALVE

1

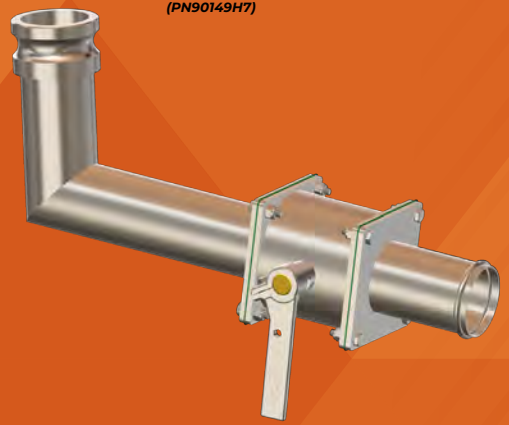
BYPASS VALVE
BRAVE 2"
(PN90154H7)



SHUT-OFF VALVE

2

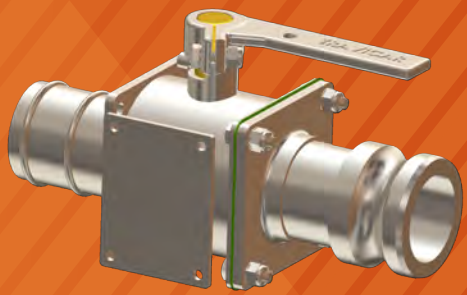
2" SHUT-OFF VALVE
BRAVE
(PN90149H7)



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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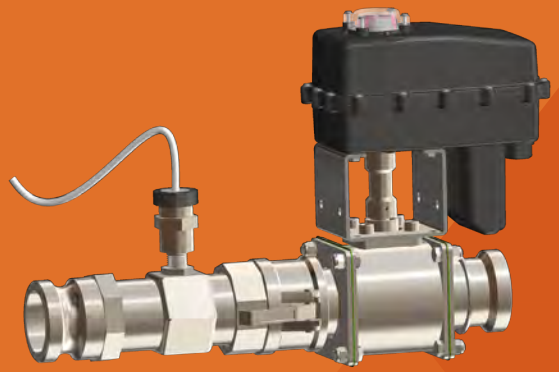
VALVES

STAINLESS STEEL VALVE MODELS

FLOWMETER

1

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



FLOWMETER

2

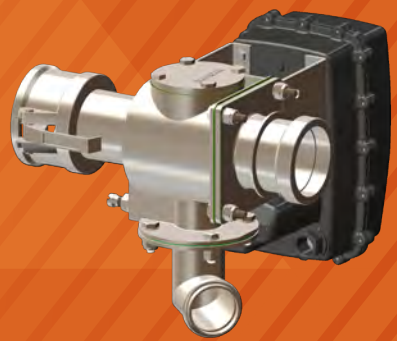
FLOWMETER MALE-FEMALE (PN90198/MF)



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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11 BOOM HANGER THRUSH (PN05081/P1)

12 BOOM HANGER THRUSH (PN05081/P2)

3" SUPPLY PIPE (PN05071)
8

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

16 LINE FILTER (PN05078)

14 OUTLET FLANGE DISPLAY (PN90046)

BYPASS CONNECTION PIPE – Y FILTER (PN05077)
5

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

SPRAY PUMP SUPPORT (PN90005/SUP) 18

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.

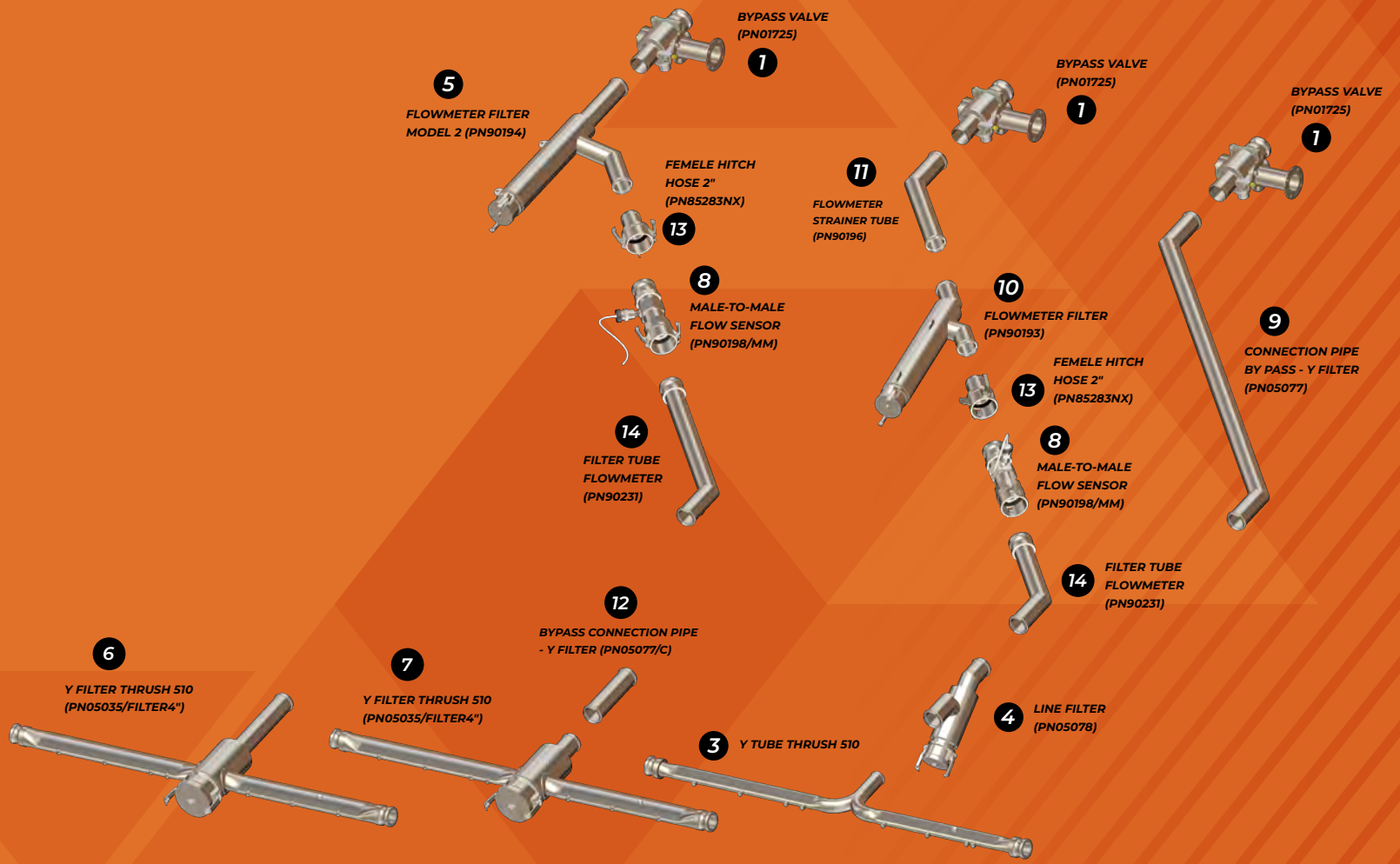
Bar options in 1 1/2" or 2".



AGRICULTURAL EQUIPMENT
THRUSH
FLOW READER

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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.

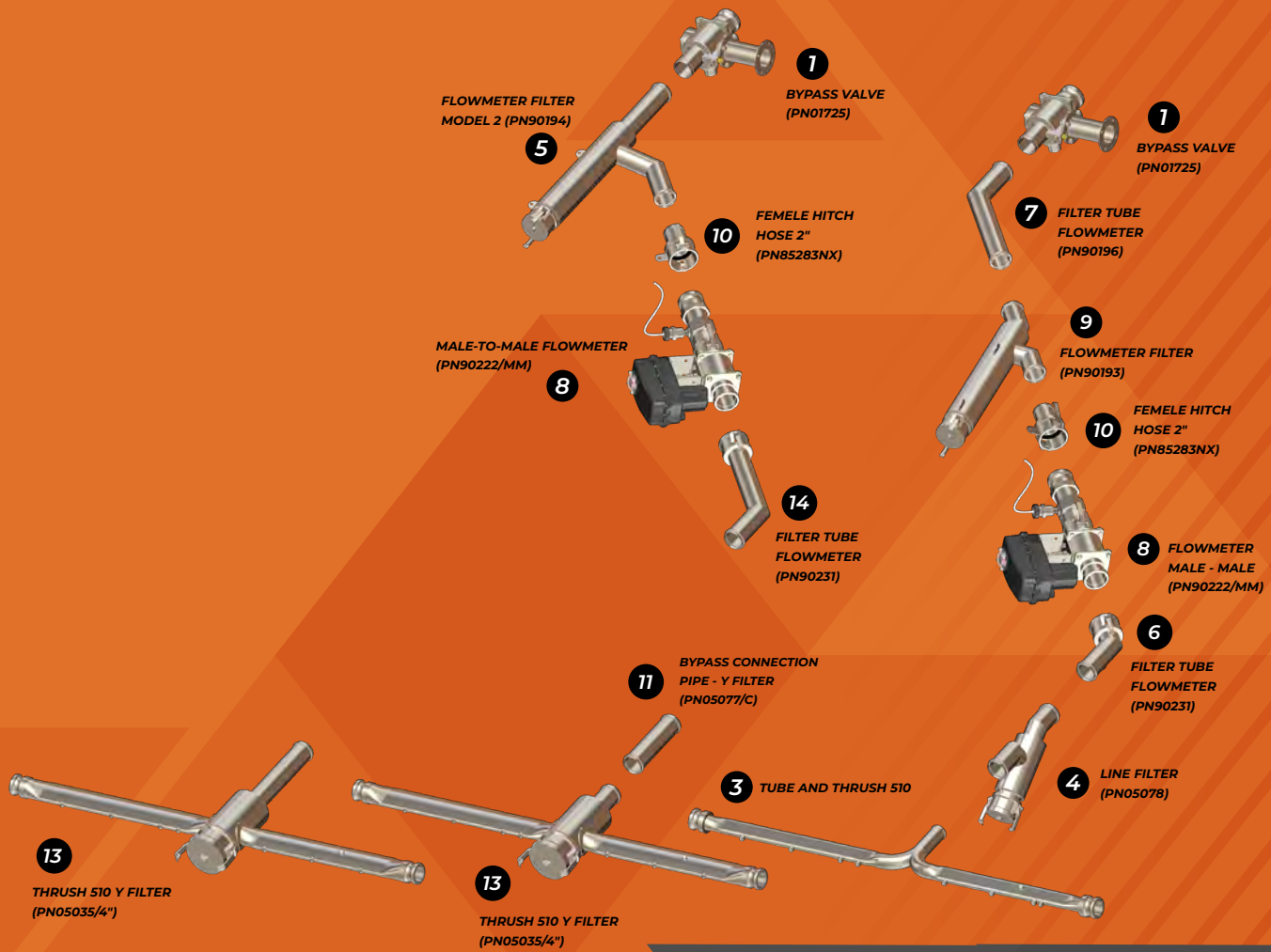
Tube and filter options with 1.5 mm or 2 mm wall thickness.



AGRICULTURAL EQUIPMENT
THRUSH
FLOW READER

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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.

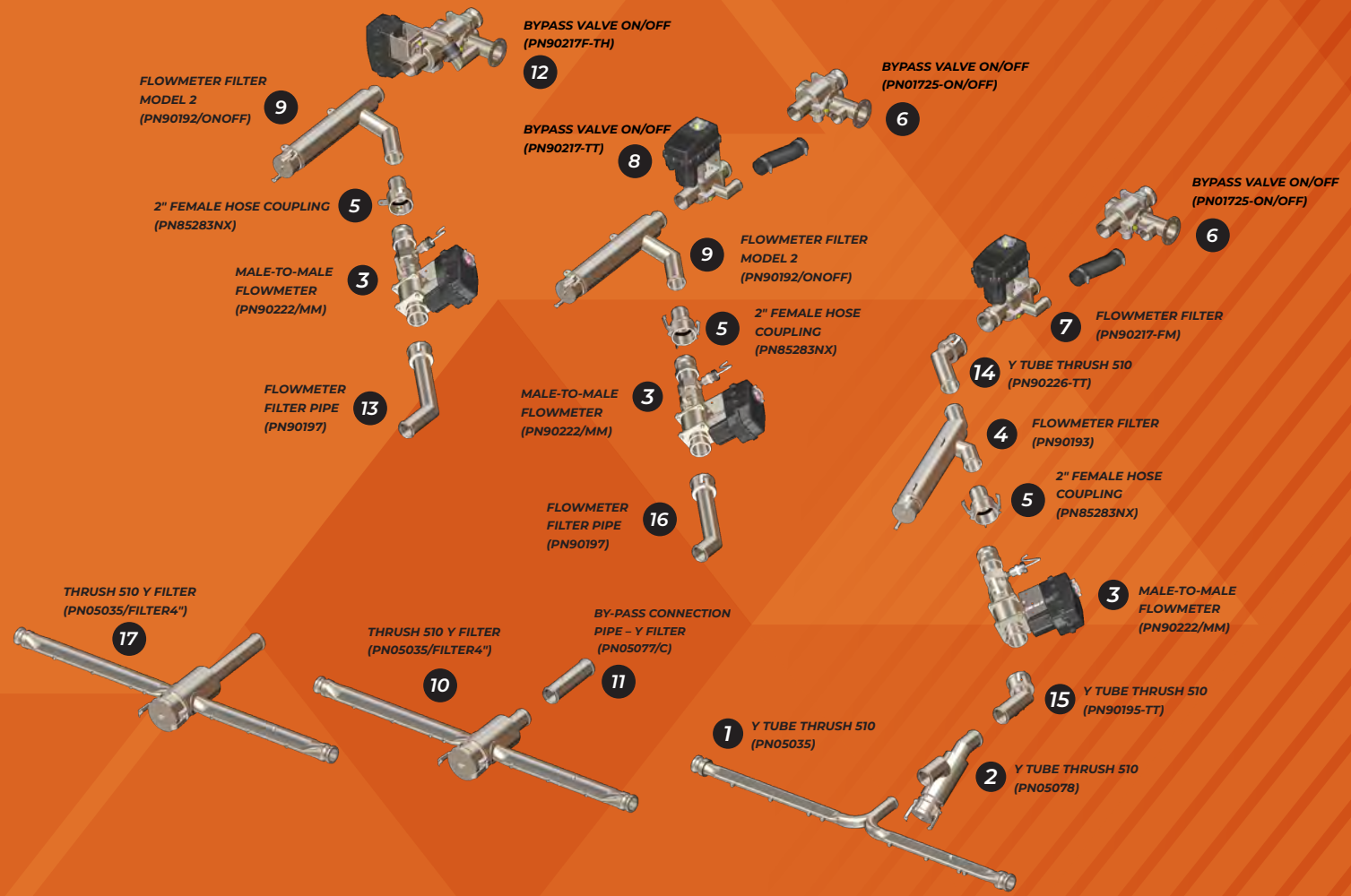
Options for pipes and filters with 1.5mm or 2mm wall thickness.



AGRICULTURAL EQUIPMENT
THRUSH
FLOWMETER AND ON/OFF VALVE

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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.

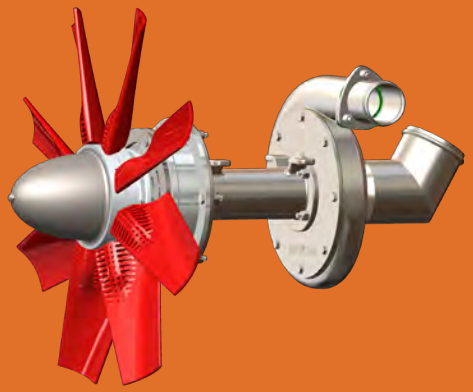
Options for pipes and filters with 1.5mm or 2mm wall thickness.

AGRICULTURAL EQUIPMENT
THRUSH
SPRAY PUMP

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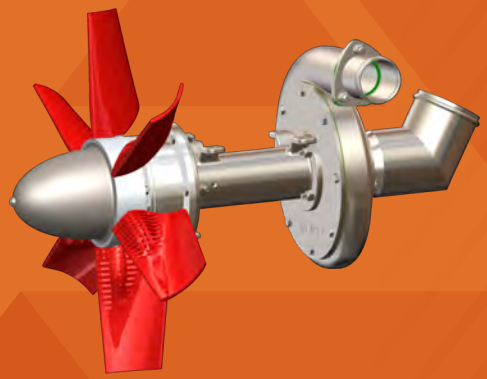
SPRAY PUMP

SPRAY PUMP MODELS



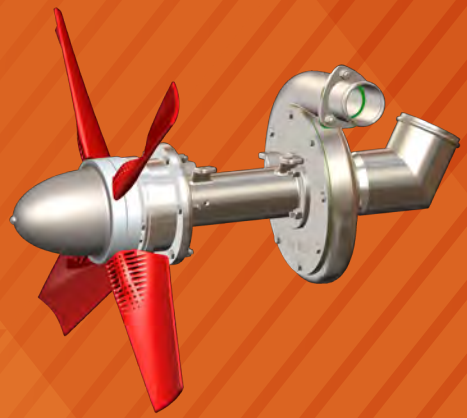
1

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.

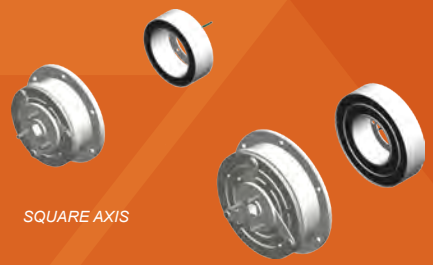
New reinforced braking system.

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.

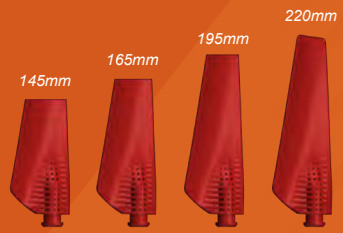
BRAKE SYSTEM



SQUARE AXIS

STRONGER BRAKE

BLADES OPTIONS



STANDARD BLADE

PERFORMANCE BLADE

CUBES OPTIONS



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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





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.

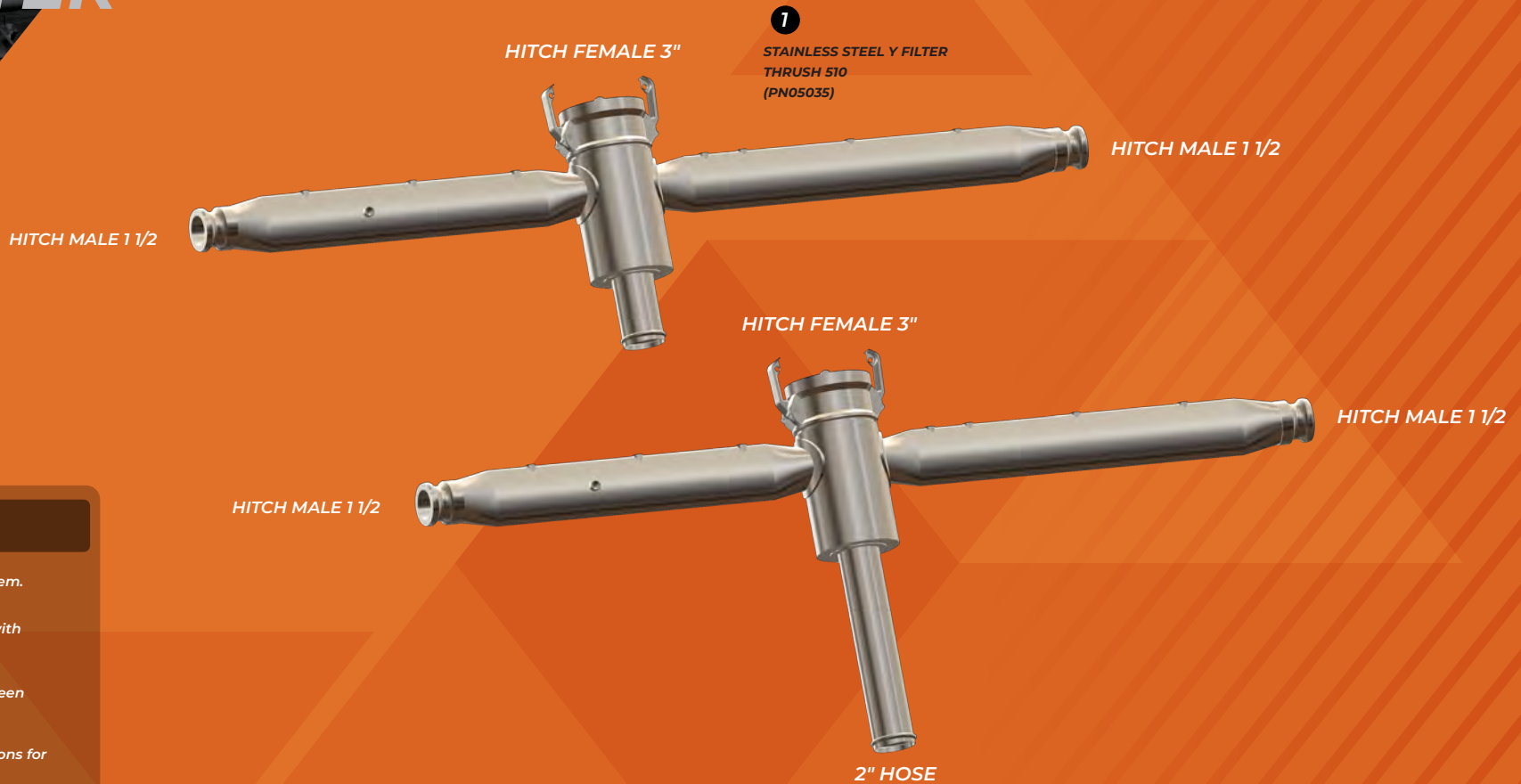


Y FILTER

AGRICULTURAL EQUIPMENT
THRUSH
Y FILTER

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STAINLESS STEEL Y FILTER MODEL



1 STAINLESS STEEL Y FILTER
THRUSH 510
(PN05035)

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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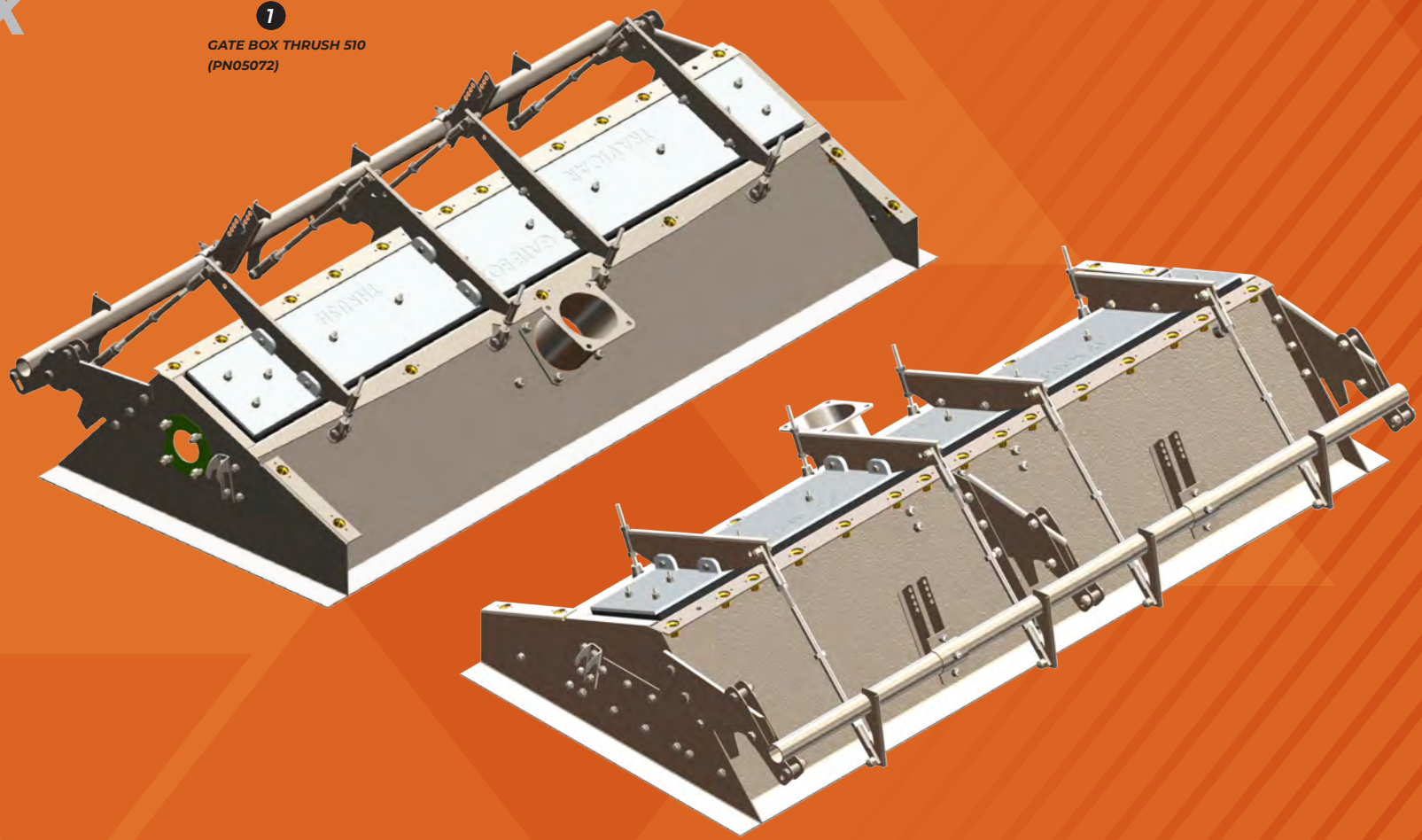


GATE BOX

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

AIRCRAFT THRUSH 510

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.

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VALVES

STAINLESS STEEL VALVE MODELS

SHUT-OFF VALVE

1

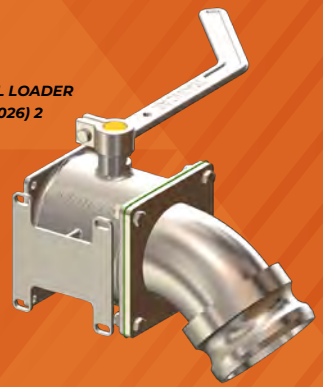
BUTTERFLY SHUT-OFF VALVE (PN05073/BORB)



FILLING VALVE

2

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



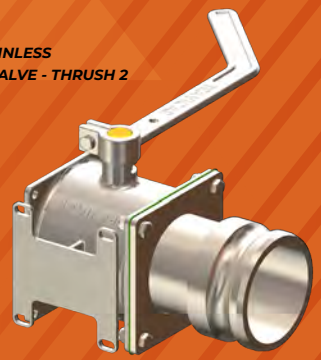
3

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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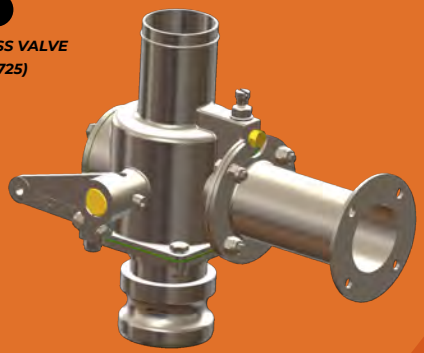
BYPASS

AGRICULTURAL EQUIPMENT
THRUSH
VALVES

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STAINLESS STEEL VALVE MODELS

1 BYPASS VALVE (PN01725)



2 SPRAY CONTROL VALVE STAINLESS STEEL 2" (PN01725)



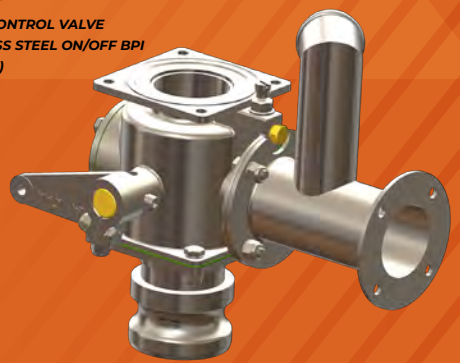
3 BY PASS VALVE ON/OFF (PN01725 TH ONOFF)



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.

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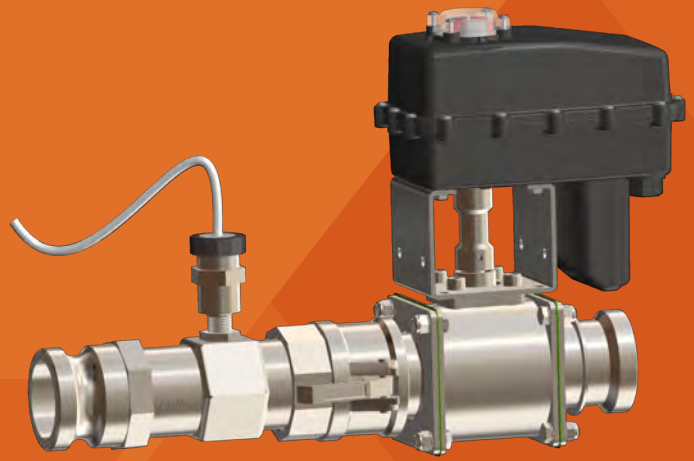
VALVES

STAINLESS STEEL VALVE MODELS

FLOWMETER

1

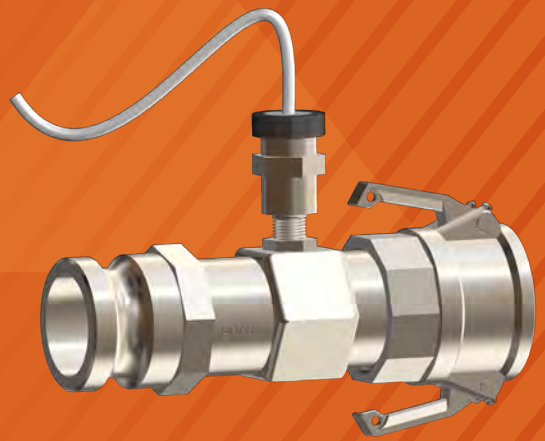
FLOWMETER
MALE - MALE 2"
(PN90222/MM)



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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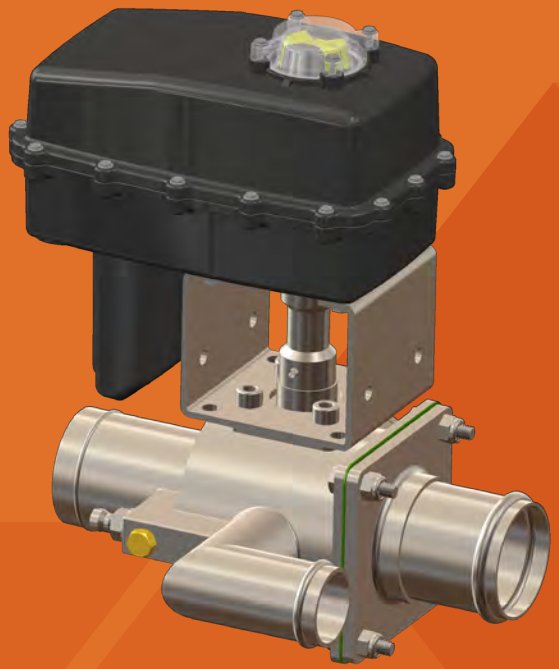
VALVES

AIRCRAFT THRUSH 510

STAINLESS STEEL VALVE MODELS ON/OFF

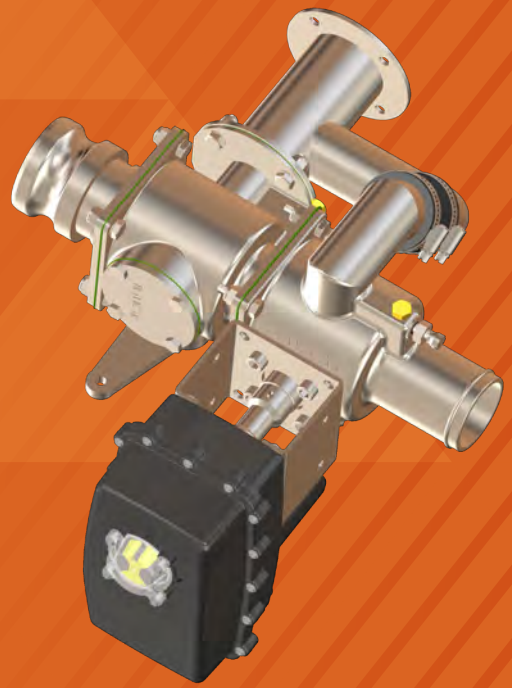
1

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.

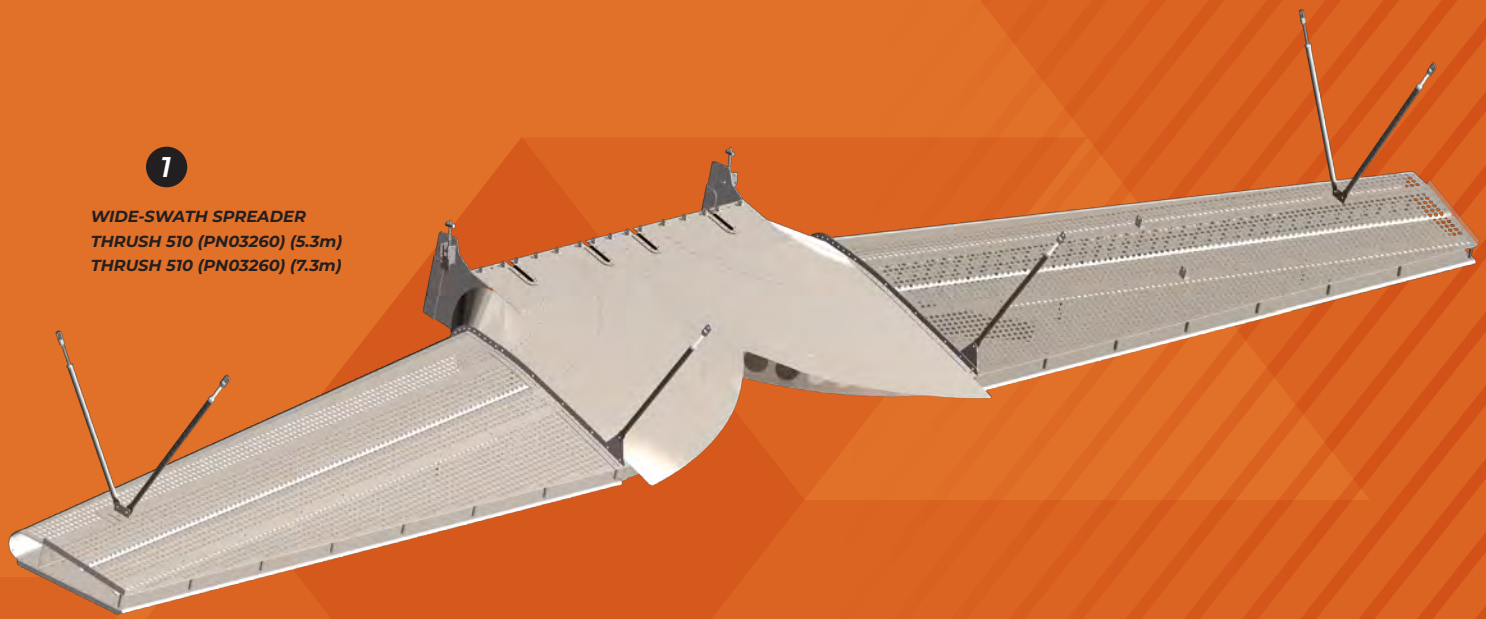
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WIDE-SWATH SPREADER

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

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DROMADER

AGRICULTURAL EQUIPMENT
DROMADER
STAINLESS STEEL

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Mechanical seal with options in Tungsten, Graphite or Silicon.

INFORMATION

Stainless steel system.

New square shaft system.

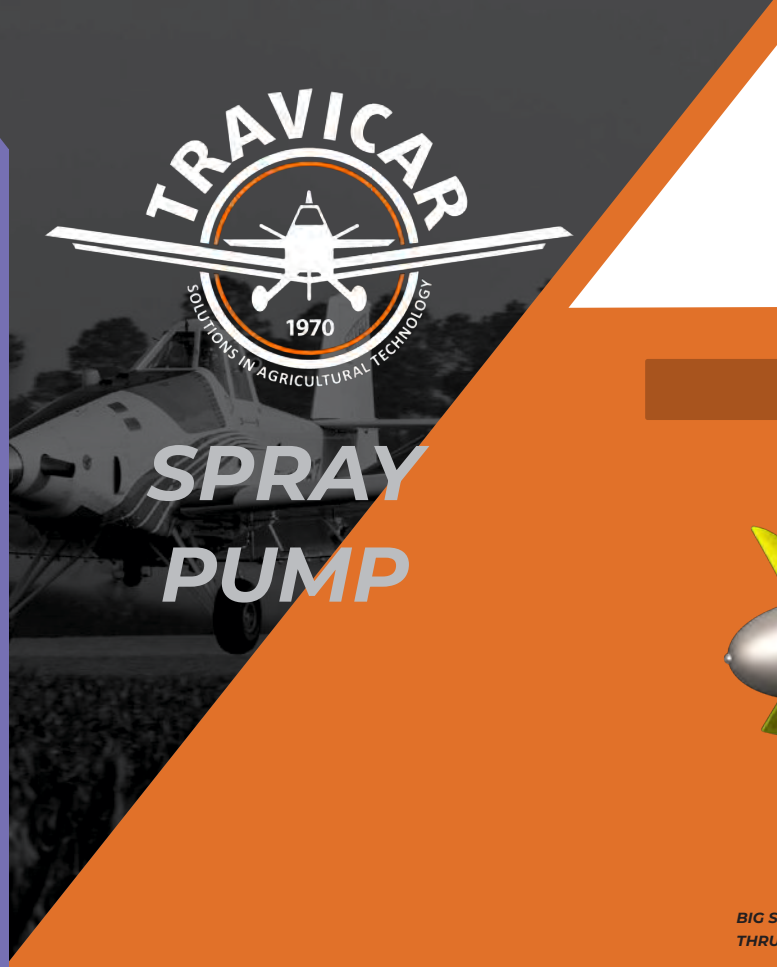
New reinforced braking system.

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.

AIRCRAFT DROMADER

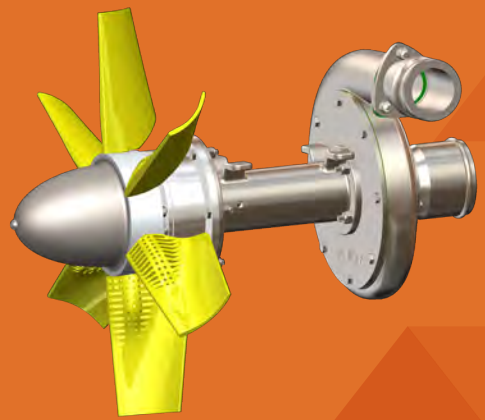


SPRAY PUMP

AGRICULTURAL EQUIPMENT
DROMADER
SPRAY PUMP

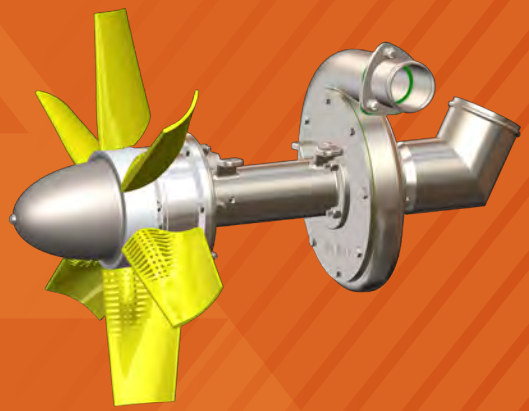
Pensacola - FL
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SPRAY PUMP MODELS



1

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



2

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

Mechanical seal with options in Tungsten, Graphite or Silicon.

INFORMATION

Stainless steel system.

New square shaft system.

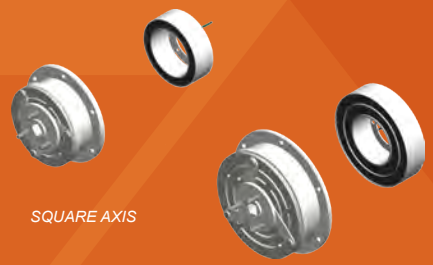
New reinforced braking system.

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.

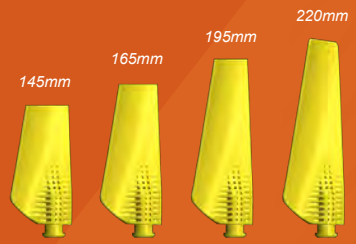
BRAKE SYSTEM



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





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
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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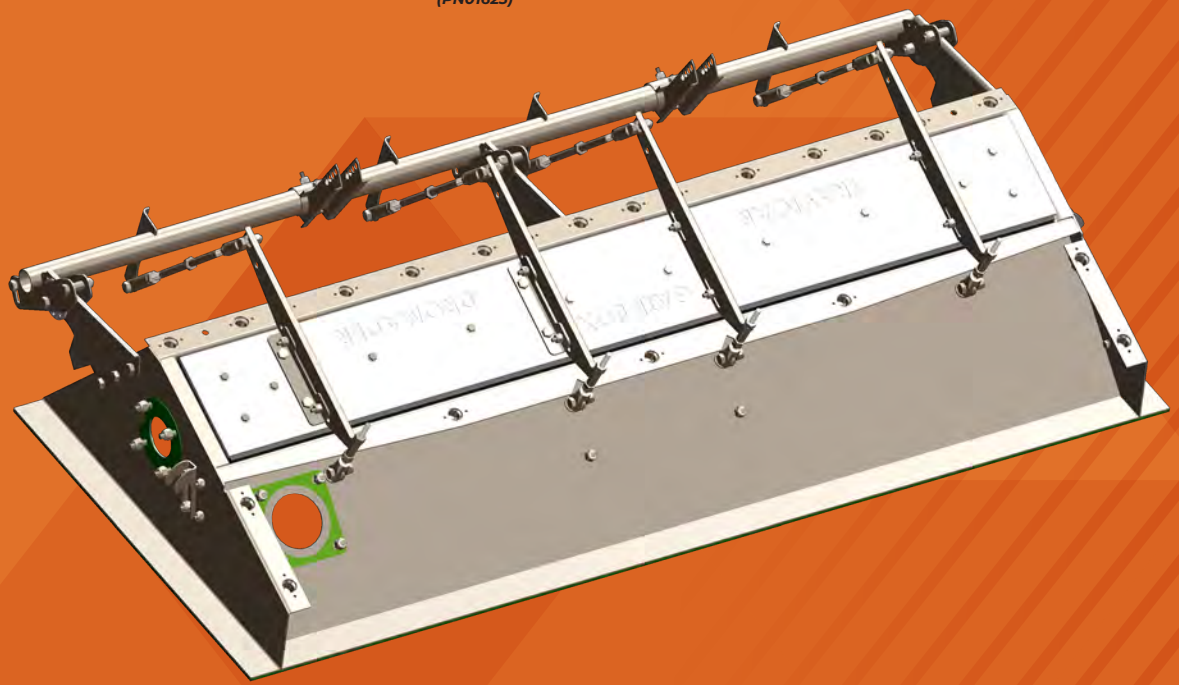


GATE BOX

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

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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.

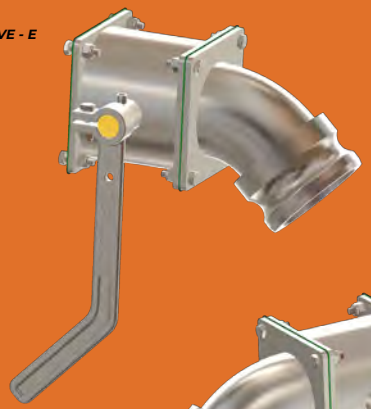
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VALVES

STAINLESS STEEL VALVE MODELS

LOADER VALVE

1 2" LOADER VALVE - E DROMADER (PN01770H7)





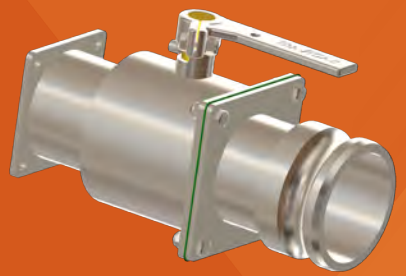
2 2" LOADER VALVE - E DROMADER (PN01526)



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)

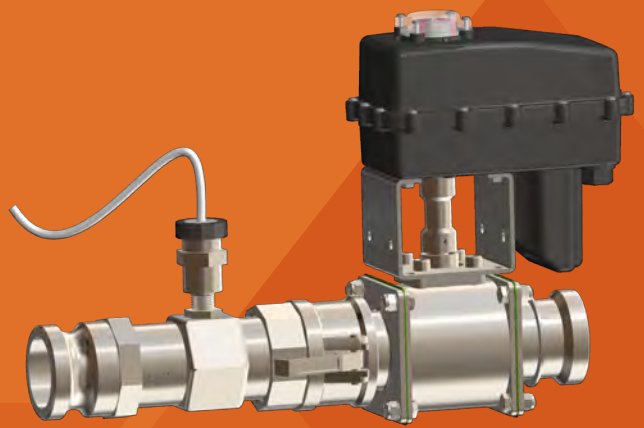
ACTUATOR 1.5 sec
(PNG262)



FLOWMETER

1

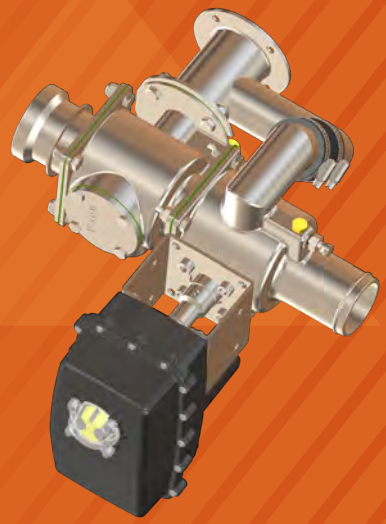
ON/OFF VALVE 2"
FLANGE - HOSE 90°
(PN90217F)



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.



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AIRCRAFT
GRUMMAN

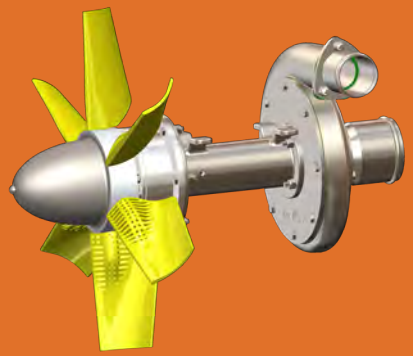


SPRAY PUMP

AGRICULTURAL EQUIPMENT
GRUMMAN
SPRAY PUMP

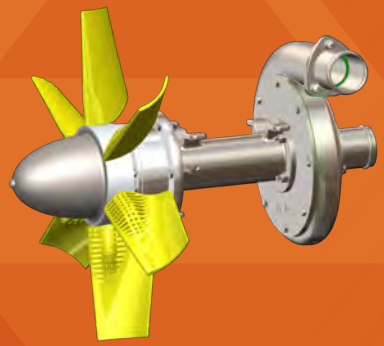
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SPRAY PUMP MODELS



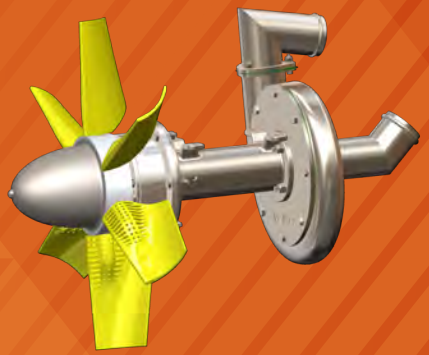
1

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



2

BIG SPRAY PUMP – 165MM ROTOR
THRUSH (PN05033G-XX-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.

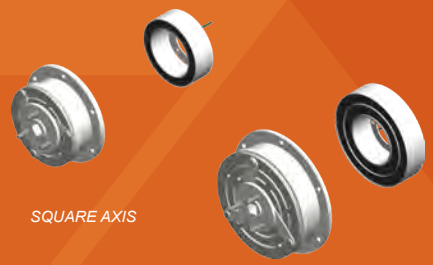
New reinforced braking system.

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.

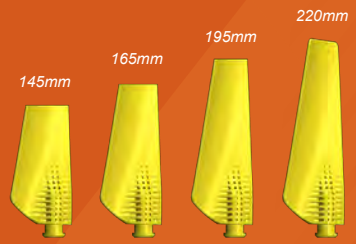
BRAKE SYSTEM



SQUARE AXIS

STRONGER BRAKE

BLADES OPTIONS



STANDARD BLADE

PERFORMANCE BLADE

CUBES OPTIONS



AGRICULTURAL EQUIPMENT
GRUMMAN
AEROFOLIC BAR

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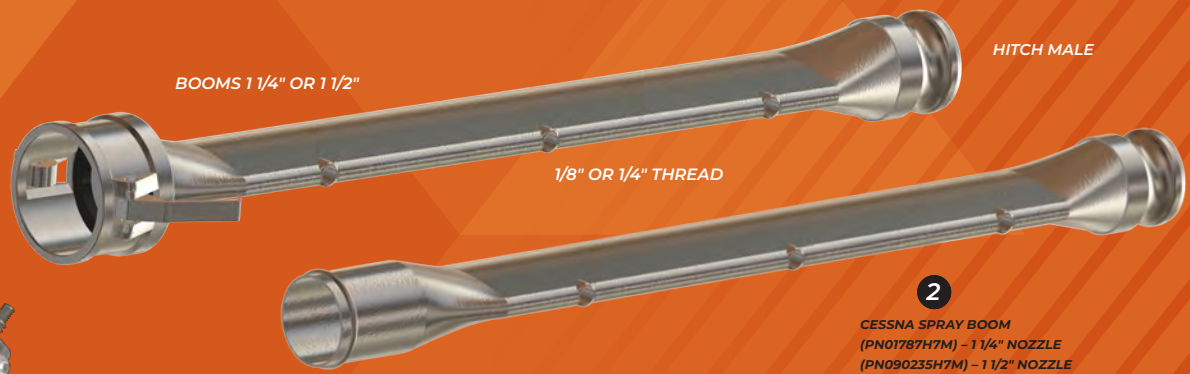
BOOMS

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

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.

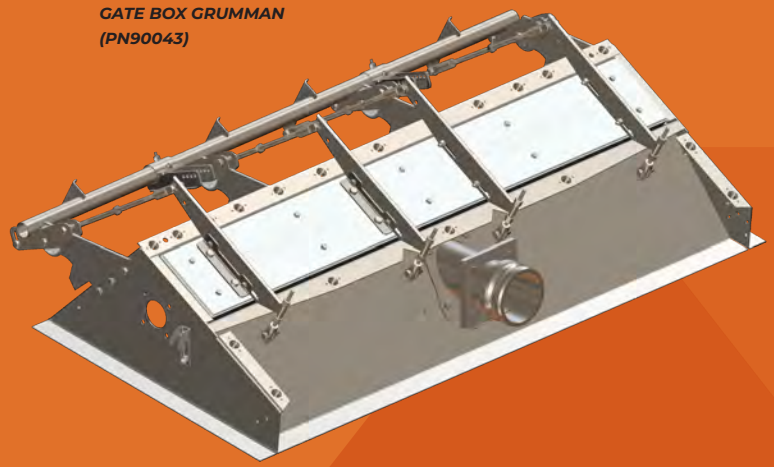
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GATE BOX

GATE BOX

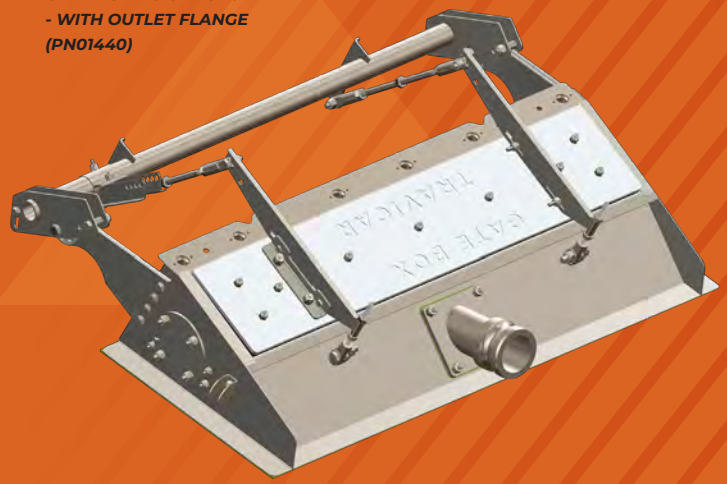
1

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.

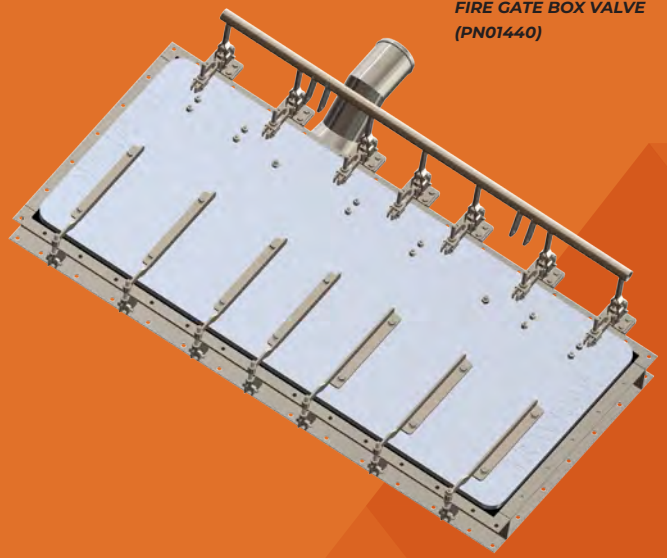
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FIRE GATE BOX

FIRE GATE BOX

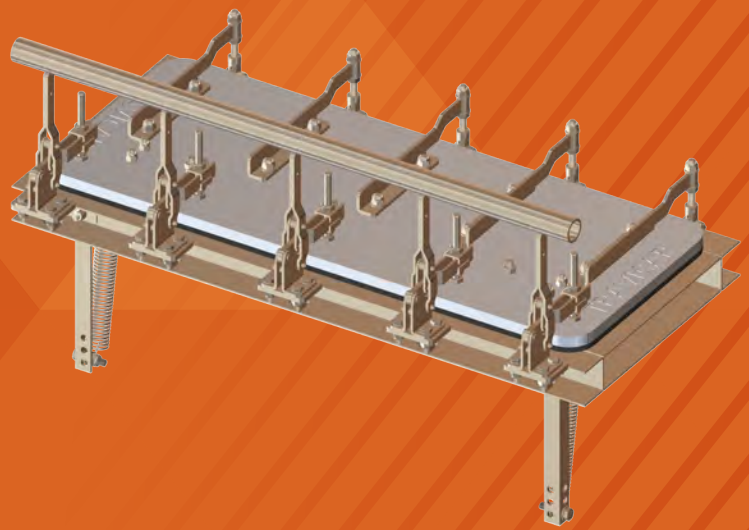
1

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

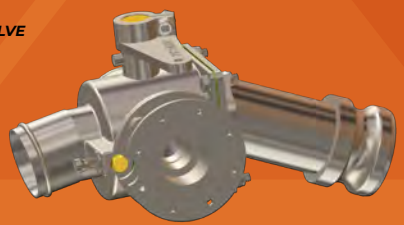
1 2" LOADER VALVE (PN01772H7)



2 2" LOADER VALVE (PN01772H7)



3 2" LOADER VALVE (PN01772H7)



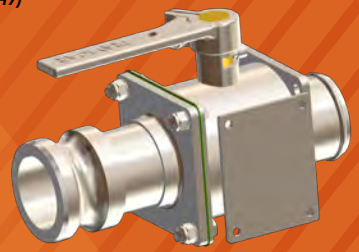
SHUT-OFF VALVE

4 SHUT-OFF 2" STAINLESS STEEL (PN01734)

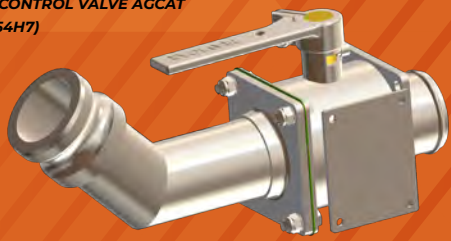


SPRAY CONTROL VALVE

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.

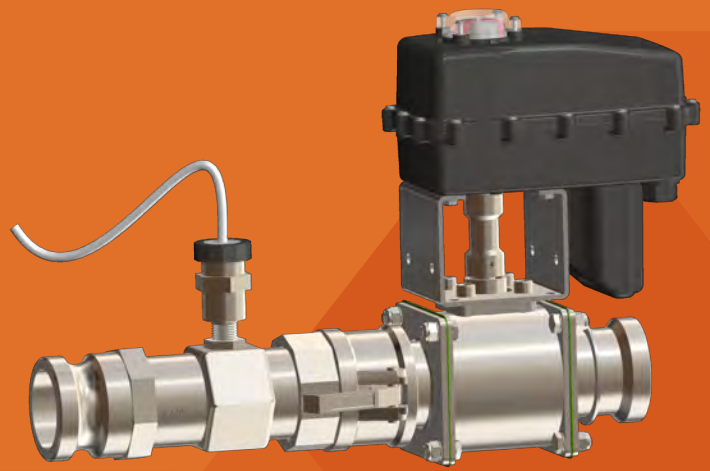
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VALVES

STAINLESS STEEL VALVE

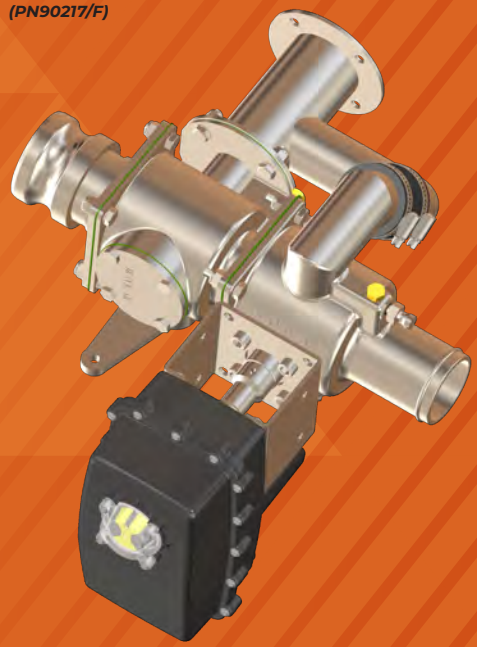
1

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

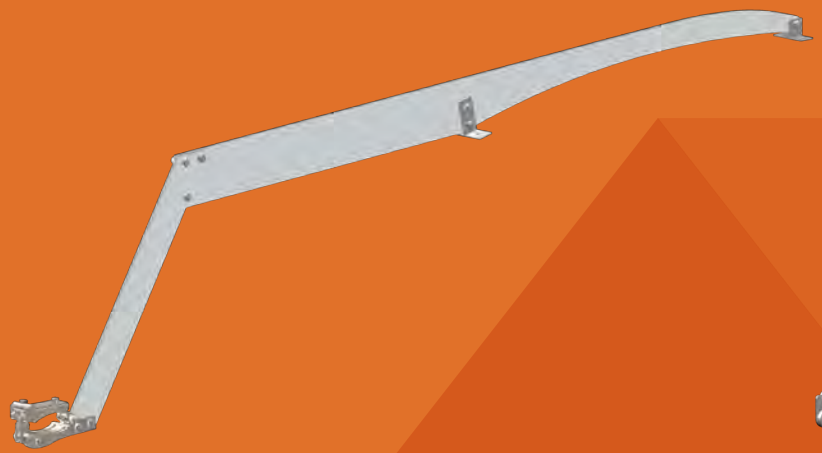
AGRICULTURAL EQUIPMENT
GRUMMAN
BOOM HANGER

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BOOM HANGER

1

BLADE SUPPORT AG CAT GRUMMAN
(PN01379)



2

TUBULAR SUPPORT AG CAT GRUMMAN
(PN01435)



INFORMATION

Stainless Steel System.

Simplified installation.

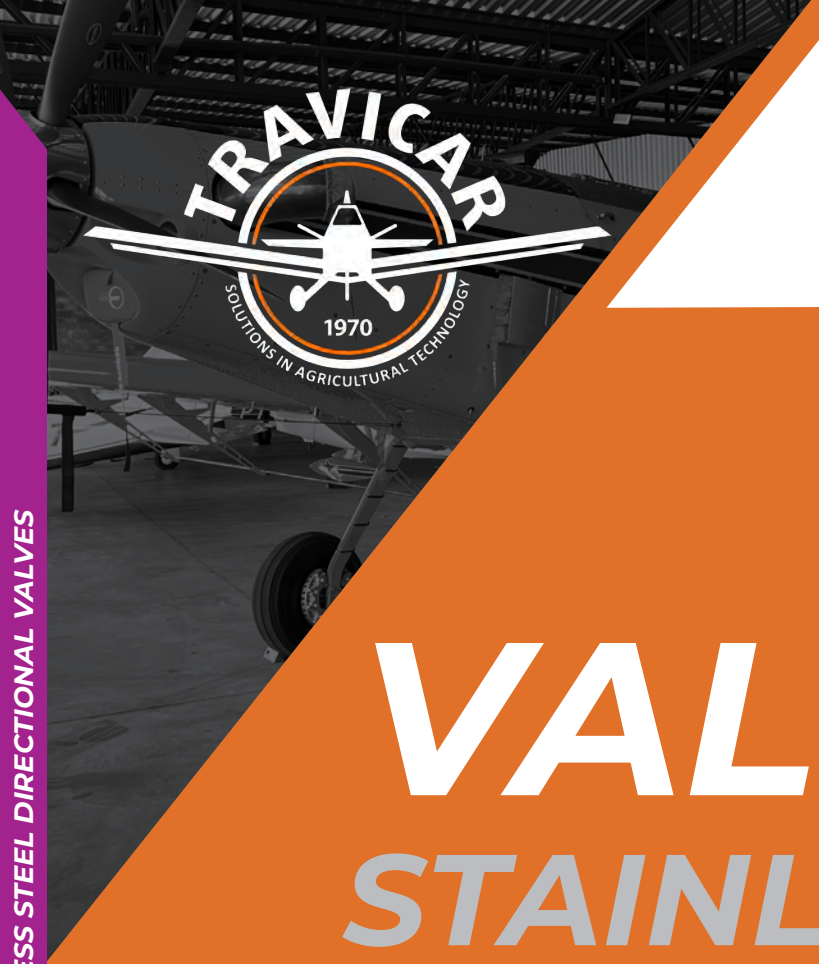
Spring system for adjustable lid closure.

Models T Camlock - Spray Booms.



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



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VALVES

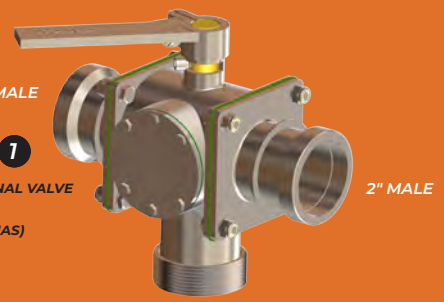
STAINLESS STEEL DIRECTIONAL



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DIRECTIONAL

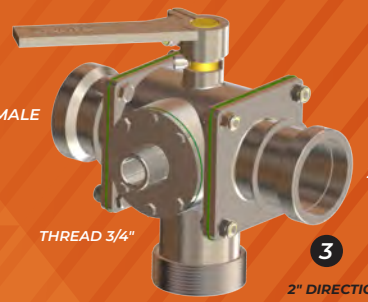
STAINLESS STEEL DIRECTIONAL VALVES – 2" AND 3"



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

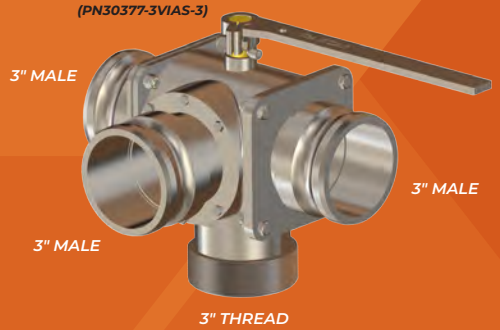


2
3" DIRECTIONAL VALVE
2 OUTLETS
(PN30377-2VIAS)

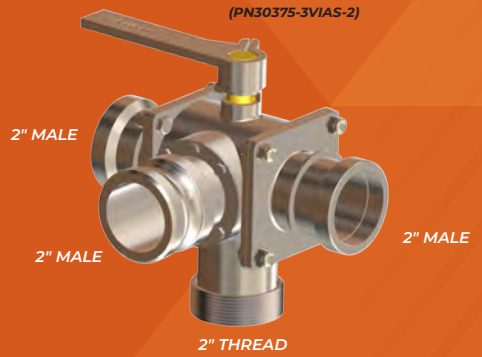


3
2" DIRECTIONAL VALVE
3 OUTLETS
(PN30375-3VIAS)

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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STAINLESS STEEL INLINE FILTERS

INLINE FILTERS

STAINLESS STEEL

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INLINE FILTERS

STAINLESS STEEL INLINE FILTERS 2" AND 3"

3" THREAD



3" THREAD

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

3" MALE



FEMALE 3"

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

FEMALE 3"



3" MALE

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

2" THREAD



2" THREAD

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

2" MALE



2" FEMALE

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

2" FEMALE



2" MALE

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 T HE INLINE FILTER



LINE STRAINERS

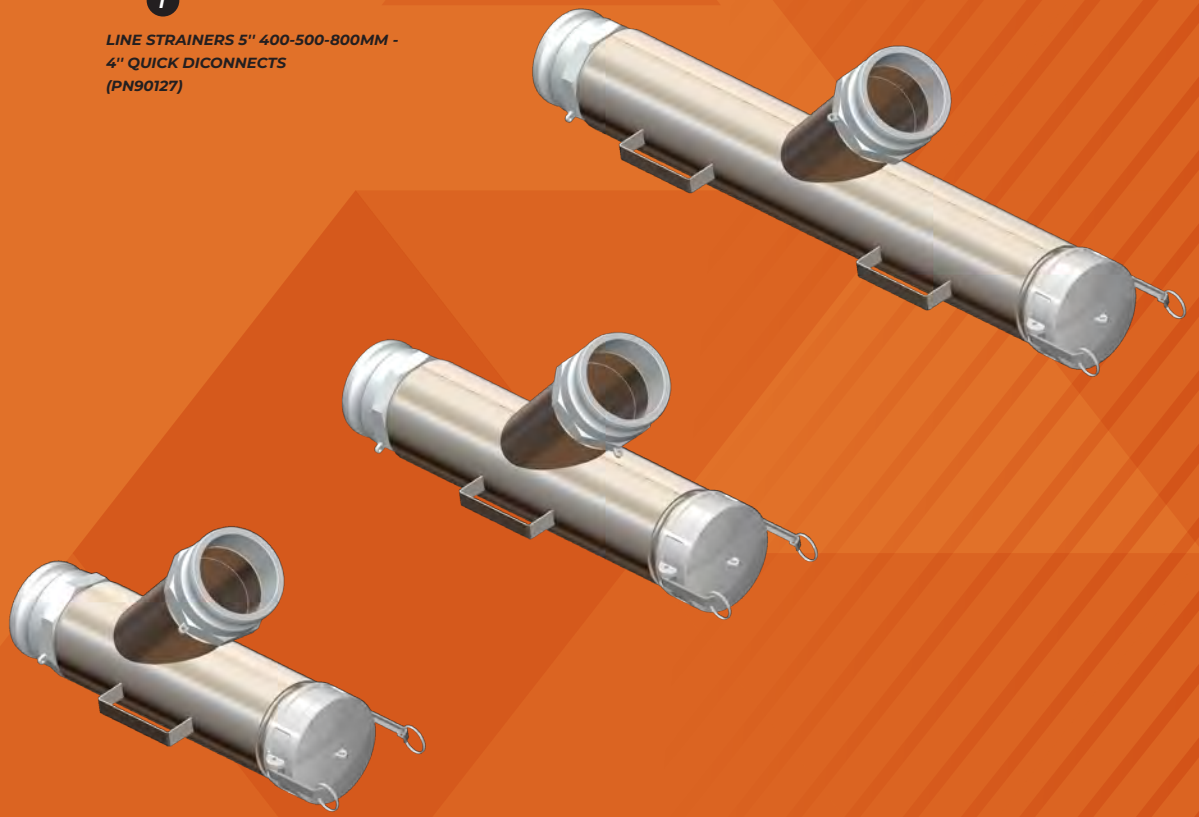
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AIRCRAFT
SUPPORT EQUIPMENT

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STAINLESS STEEL LINE STRAINERS

1

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



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QUICK DISCONNECTS



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QUICK DISCONNECTS

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

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DGPS

AERIAL GUIDANCE SYSTEM



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DISPLAY

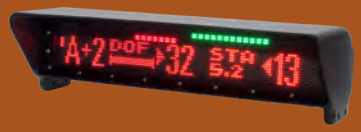
TOUCHSCREEN DISPLAY



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LIGHTBAR

OUTDOOR LIGHTBAR



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LIGHTBAR

INTERNAL LIGHTBAR



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FLOW CONTROL

FLOW CONTROL - TURBINE SENSOR



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AUTO ON/OFF

AUTO SPRAY ON/OFF



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ALTIMETER

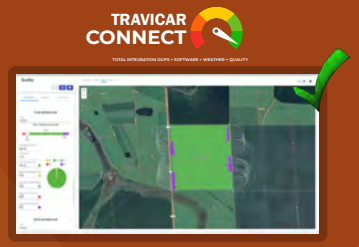
LASER ALTIMETER W/ GYROSCOPE



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CONNECTIVITY

APP TRAVICAR CONNECT
- CONNECTIVITY



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TRAVICAR CONNECT - MOBILE



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WEATHER

WEATHER STATION



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TT 11
FLAT FAN/SOLID STREAM TT 11



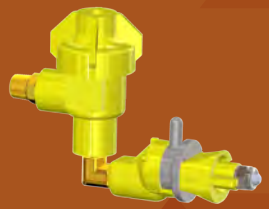
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CORE/DISC
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ELECTROSTATIC
ELECTROSTATIC NOZZLES



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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
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SPRAY SYSTEM

AIRCRAFT SPRAY SYSTEM



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SPRAY PUMP

SPRAY PUMPS



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SPRAY BOOM

STREAMLINE BOOM



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CENTER BOOM

STREAMLINE CENTER BOOM



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GATE BOX

GATEBOX



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LOADER VALVE

LOADER VALVE



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SPRAY VALVE

SPRAY CONTROL VALVE



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SHUT-OFF VALVE

BALL VALVE - BUTTERFLY VALVE



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FIRE GATE BOX

MANUAL FIRE GATE BOX



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DEMAND VENTS

HOPPER DEMAND VENT



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BOOM HANGERS

BOOM HANGER



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BOOM CLAMPS

BOOM CLAMPS



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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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ADAPTERS/FITTING

ADAPTERS/FITTINGS



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WIDE-SWATH SPREADER

WIDE-SWATH SPREADER



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- PUMPS
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