

AUTOJET® MODEL 1550+ MODULAR SPRAY SYSTEM

QUICK START GUIDE



Scan the QR code, or visit spray.com/autojetspraycontrol, to access manuals, videos and additional resources on the AutoJet® 1550+ control panel.

1. IDENTIFY YOUR VERSION AND CONFIGURATION

The **PUMP VERSION** features an integrated air operated diaphragm pump for continuously run spray applications.

- This design requires liquid to be drawn from a tote or tank
- Liquid from the system can be recirculated back to the supply tote or tank

The **PUMPLESS VERSION** is for applications where the system's liquid delivery is provided by a pressurized vessel or other pressurized supply from the customer.

- This version is designed to control the pressure down from a pressurized source
- The system controls the flow of liquid using an internal air piloted liquid pressure regulator located inside the valve panel

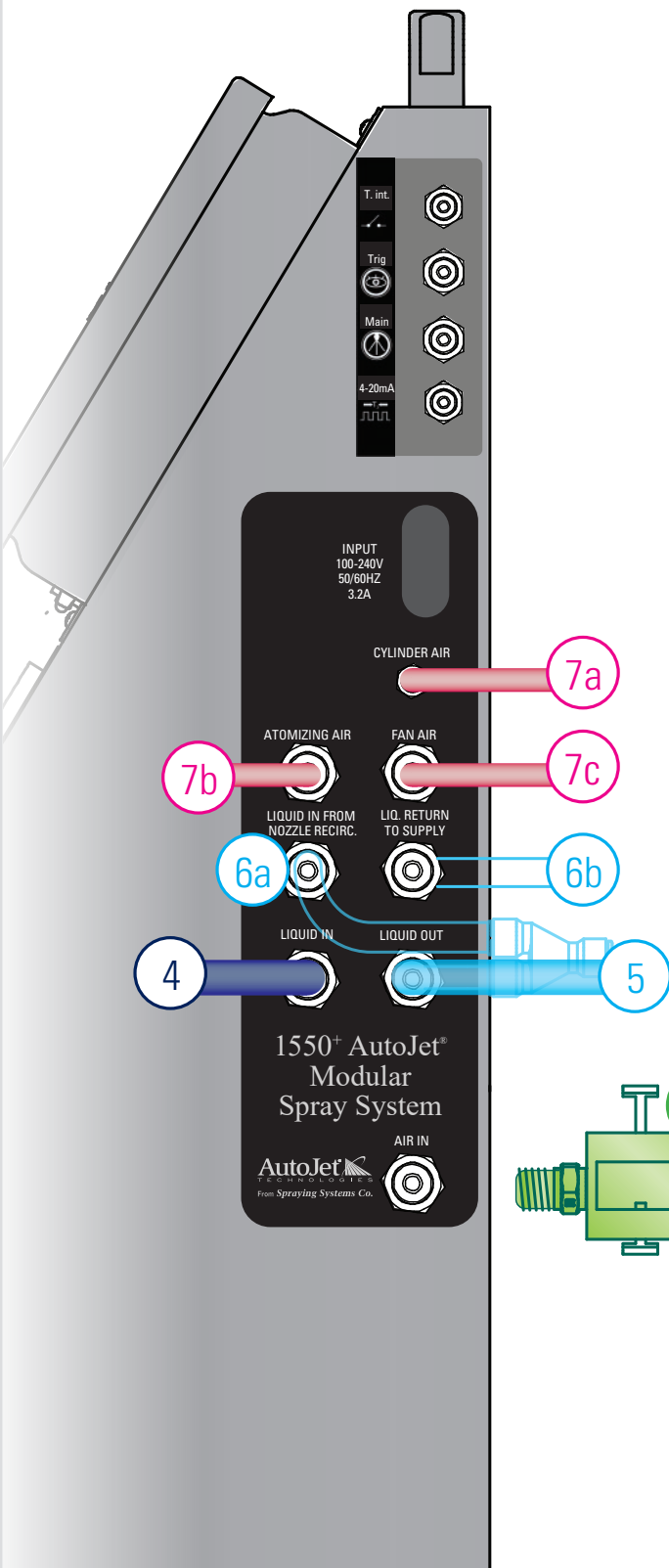
The **PRESSURE POT VERSION** regulates the air pressure to a pressurized vessel.

- This version controls the flow of liquid by using an air regulator to pressurize the pot
- Liquid flows from the pressure pot and does not flow through the system's valve panel

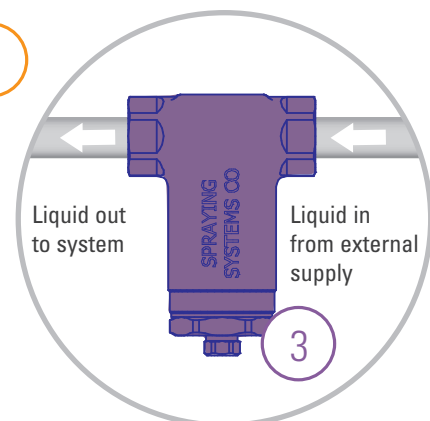
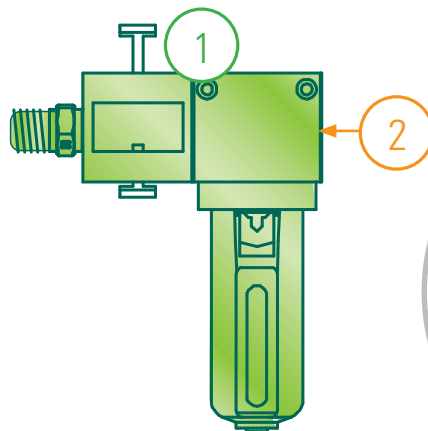
1550+ MODULAR SPRAY SYSTEM NOZZLE COMPATIBILITY CHART

Liquid Only Control		
Electrically-Actuated Nozzles: Hydraulic	Air-Actuated Nozzles: Hydraulic	
<p>PulsaJet® 10000AUH-03</p>  <p>PulsaJet 10000AUH-104210</p>  <p>PulsaJet 10000AUH-10</p>  <p>AA250AUH</p> 	<p>1/4JAUH</p>  <p>1/8JJAUH</p>  <p>22AUH</p> 	
Liquid and Atomizing Air Control		Liquid, Atomizing and Fan Air Control
Electrically-Actuated Nozzles: Hydraulic	Air-Actuated Nozzles: Air-Atomizing	Air-Actuated Nozzles: Air-Atomizing
<p>PulsaJet 10000JJAU</p>  <p>PulsaJet 10000JAU-10</p>  <p>29JAUCO</p> 	<p>1/4JAU</p>  <p>1/8JJAU</p> 	<p>VAU</p>  <p>VMAU</p> 

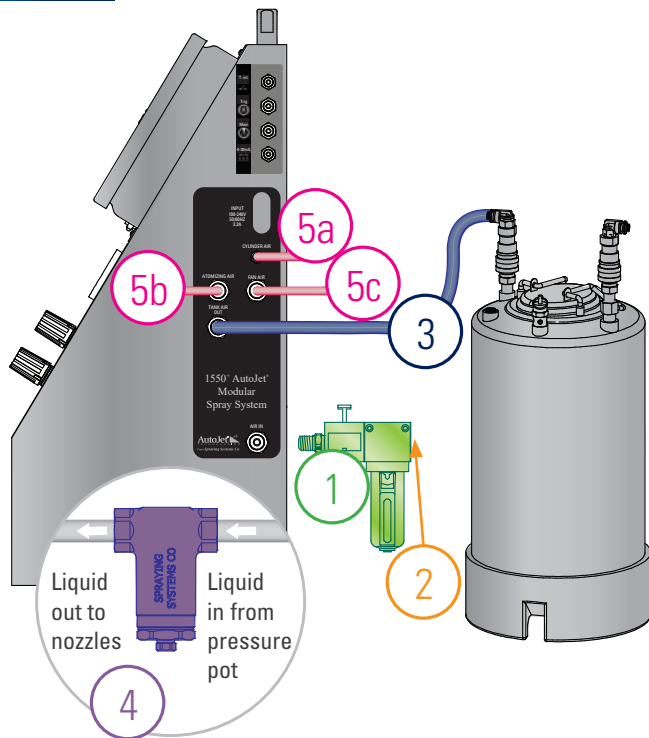
2. PUMP AND PUMPLESS AIR AND LIQUID CONNECTIONS



1. Connect the Air Filter assembly to the unit by threading it to "AIR IN" bulkhead fitting
2. Plumb and connect air supply 1/2" (F) NPT or BSPT to the air filter assembly. Customer to supply connection
3. Plumb liquid strainer between the liquid supply vessel or source and the system
4. Connect the liquid out line from the liquid strainer to the system "LIQUID IN" bulkhead fitting with 1/2" (12 mm) O.D. tube
 - For pump versions the liquid must not be pressurized
 - For pumpless versions the liquid must be pressurized
5. Connect 1/2" (12 mm) O.D. tubing from the "LIQUID OUT" bulkhead fitting to the nozzle(s)
6. Optional step to recirculate liquid from the nozzles back to the source
 - a. Connect the included "Y" fitting with tubing between the "LIQUID OUT" and the "LIQ. IN FROM NOZZLE RECIRC." bulkhead fittings
 - b. Connect the "LIQ RETURN TO SUPPLY" with tubing to the supply source
7. Connect air lines to spray nozzles if required
 - a. "CYLINDER AIR" if using air-actuated nozzles e.g. JJAU; JAU; JAUH; VAU; VMAU series
 - b. "ATOMIZING AIR" if using air atomizing nozzles e.g. JJAU; JAU; VAU; VMAU series
 - c. "FAN AIR" if using variable spray nozzles e.g. VAU and VMAU series

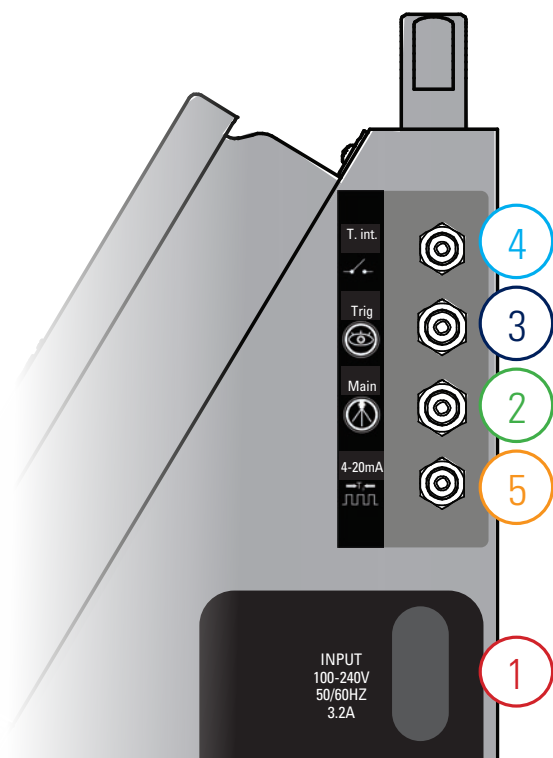


2. PRESSURE POT AIR AND LIQUID CONNECTIONS



1. Connect the Air Filter assembly to the unit by threading it to "AIR IN" bulkhead fitting
2. Plumb and connect air supply 1/2" (F) NPT or BSPT (if metric system) to the air filter assembly. Customer to supply connection
3. Connect tubing from "TANK AIR OUT" bulkhead fitting to air inlet fitting of pressure pot
4. Plumb liquid strainer between the pressure pot liquid out port and the spray nozzle(s)
5. Connect air lines to spray nozzles if required
 - a. "CYLINDER AIR" if using air actuated nozzles e.g. JJAU; JAU; JAUH; VAU; VMAU series
 - b. "ATOMIZING AIR" if using air atomizing nozzles e.g. JJAU; JAU; VAU; VMAU series
 - c. "FAN AIR" if using variable spray nozzles e.g. VAU and VMAU series

3. PUMP, PUMPLESS AND PRESSURE POT ELECTRICAL CONNECTIONS FOR USE WITH EXTERNAL DEVICES AND POWER SUPPLY



1. Plug into grounded (115-230 VAC) power source and turn on power. HMI display will illuminate. To set spray parameters and for HMI operation, please refer to section 6 of the owner's manual
2. If using electric actuated spray nozzle(s) connect cable to the "Main" connection
3. Connect cable to "Trig" connection that will be used to start spray sequence. Available triggers are:
 - Trigger cable (for use with customer-supplied trigger signal)
 - Sensor, including: photo, prox, laser or thru-beam (type should be selected based on customer's application)
 - Handheld trigger
4. For fail-safe operation, or when dual trigger signals will run the system, connect trigger interlock cable to "T. int." connection
5. If using remote setpoint for Precision Spray Control (PSC), connect input of a 4-20mA analog signal to "4-20mA" connection to adjust the duty cycle remotely