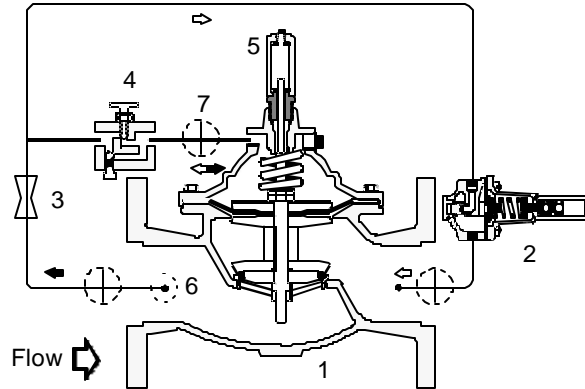




Model 6115-JM

Standard Components

- 1) Main Valve
- 2) Reducing Pilot
- 3) Supply Orifice
- 4) Adjustable Opening Speed
- 5) Position Indicator
- 6) Flow Clean Strainer
- 7) Ball Valve



Flow Direction: Under the Seat

 Closes Valve
 Opens Valve

Part Number List

Item Description	Complete Assembly	Repair Kit
Model 6115-JM	234801	3313-01
Reducing Pilot	0661-01	221101

Operation

The Model 6115-JM is designed to automatically reduce a fluctuating higher upstream (inlet) pressure to a constant lower downstream (outlet) pressure. It is controlled by a normally open Pressure Reducing Pilot Regulator designed to: 1) Open (allowing fluid out of the main valve cover chamber) when downstream pressure is below its adjustable setpoint, and, 2) Close (allowing fluid to fill the main valve cover chamber) when downstream pressure is above its adjustable setpoint. A decrease in downstream pressure causes the valve to modulate towards an open position, raising downstream pressure. An increase in downstream pressure causes the valve to modulate towards a closed position, lowering downstream pressure.

Model 6115-JM Installation

Prior to installation, flush line to remove debris.

1. Install valve horizontally "in line" (cover facing up), so flow arrow matches flow through the line. **Consult factory prior to ordering if installation is other than described.**

2. Install inlet and outlet isolation valves.

Note: When using butterfly valves, ensure disc does not contact control valve. Damage or improper valve seating can occur.

3. Provide adequate clearance for valve servicing and maintenance.

4. Install pressure gauges to monitor valve inlet and outlet pressure.

Note: If installation is subjected to very low flow or potentially static conditions, it is recommended that a pressure relief valve (1/2" minimum) be installed downstream of the Pressure Reducing Valve for additional system protection. See Watts Model PV20-CB.

Start-Up Instructions

Note: Set-up the Model 6115-JM in a flowing condition for proper start-up. Automatic Control Valve start-up requires bringing the valve into service in a controlled manner. All adjustments to control pilot and speed controls should be made slowly, allowing the valve to respond and the system to stabilize.

1. Close upstream and downstream isolation valves.
2. Turn the Pilot (item 2) adjustment screw counterclockwise, releasing the spring tension. Open all isolation Ball Valves.
3. Turn Adjustable Opening Speed Control (item 4) clockwise until seated, and then counterclockwise 2-1/2 turns. This is an approximate setting and should be fine tuned to suit system requirements once pressure adjustments have been made.
4. Slowly open the upstream isolation valve. Loosen air bleed petcock on Position Indicator (item 5) allowing air to vent. Close the air bleed petcock when all air is vented.
5. Slowly open the downstream isolation valve. Gradually turn the Reducing Pilot adjustment screw clockwise to raise the downstream pressure. **There must be a demand for flow for proper start-up.**
6. Allow valve and system to stabilize. Observe inlet and outlet pressure gauges. Continue to adjust Reducing Pilot as needed, pausing approximately every 1-1/2 turns to allow the valve and system to stabilize. Turning Reducing Pilot adjustment screw clockwise raises the outlet pressure. Turning the Reducing Pilot adjustment screw counterclockwise lowers the outlet pressure. When the desired downstream pressure is reached, tighten the locknut on Reducing Pilot.
7. Fine tune Opening Speed Control to suit system requirements. Adjust Opening Speed Control clockwise for slower opening, and counterclockwise for faster opening.