

Models 106-PR-10159-UL & 106-PR-8702-ULC Pressure Reducing Valve



KEY FEATURES

- UL and ULC listed to ANSI/UL 1468, 1739
- Reliable diaphragm actuated
- Hydraulically operated design
- Stainless steel fasteners
- Class 150, 300 flanges, grooved and threaded
- Heat-fused red epoxy coating
- Available in globe and angle style

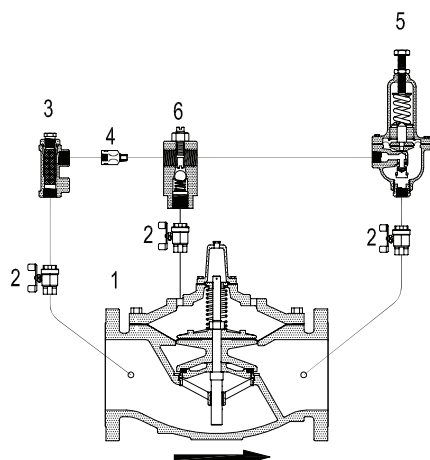


PRODUCT OVERVIEW

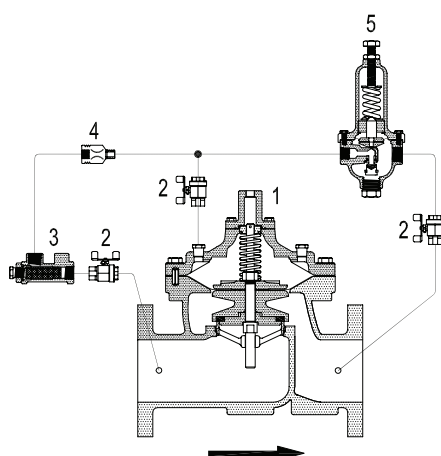
The UL Certified Model 106-PR-10159 and the ULC Certified Model 106-PR-8702 pilot operated pressure control valves are ideal for automatically reducing a higher inlet pressure to a steady lower discharge pressure, regardless of fluctuations in flow or inlet pressure. See chart for sizes and end configurations.

The valves are based on the 106-PG-UL, A106-PG-UL, S106-PG-UL and SA106-PG-UL control valves for Model 106-PR-10159 listed product. ULC control valves are based on the 106-PG-ULC and A106-PG-ULC for Model 106-PR-8702. In typical pressure reducing applications, the globe style 106-PR or S106-PR is often the preferred style.

SCHEMATIC DRAWING



Schematic A-8702-ULC



Schematic A-10159-UL

1. **Main Valve Body** – Model 106-PG-UL, A106-PG-UL, S106-PG-UL, SA106-PG-UL & 106-PG-ULC. See chart for options.
2. Lockable Isolation Valve J0044A – optional
3. Strainer J0098A – Standard 4" / 100 mm and larger
4. Fixed Restriction
5. Pressure Reducing Pilot Model 161-PR-UL, and 160-PR-ULC
6. Flow Stabilizer – Model 26 (ULC ONLY)

Note: UL listed valves use rolling diaphragm on 6 in / 150 mm and 8 in / 200 mm valves. ULC listed valves use flat diaphragms only. For UL dimensions, ULC dimensions and Grooved dimensions, see page 28.

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Pressure Reducing Valve

STANDARD MATERIALS

Standard materials for pilot system components are:

- ASTM B62 bronze or ASTM B16 brass
- AISI 303 / 316 stainless steel trim
- Buna-N / EPDM diaphragm and seals

US Units

Valve Size	MODEL 106-PR-10159		MODEL 106-PR-8702		OUTLET PRESSURE RANGE UL & ULC	End Connections 106 Globe & A106 Angle			
	Pressure Ratings UL Listed		Pressure Ratings ULC Listed			Grooved	Threaded	150 FL	300 FL
	Max Inlet Pres- sure 150 FL	Max Inlet Pres- sure 300 FL	Max Inlet Pres- sure 150 FL	Max Inlet Pres- sure 300 FL					
1-1/2"	175 psig	300 psig	175 psig	175 psig	30 - 165 psig	● Globe Style Only	●	●	●
2"	175 psig	300 psig	175 psig	175 psig	30 - 165 psig	● Globe Style Only	●	●	●
2-1/2"	175 psig	300 psig	175 psig	175 psig	30 - 165 psig	● Globe Style Only	●	●	●
3"	175 psig	300 psig	175 psig	175 psig	30 - 165 psig	● Globe Style Only	●	●	●
4"	175 psig	300 psig	175 psig	175 psig	30 - 165 psig	● Globe Style Only		●	●
6"	175 psig	300 psig	175 psig	175 psig	30 - 165 psig	● Globe Style Only		●	●
8"	175 psig	-	175 psig	175 psig	30 - 165 psig	● Globe Style Only		●	●

Metric Units

40 mm	-	-	12.06 bar	12.06 bar	2.06 - 11.37 bar	Globe Style Only	•	•	•
50 mm	12.06 bar	20.68 bar	12.06 bar	12.06 bar	2.06 - 11.37 bar	Globe Style Only	•	•	•
65 mm	12.06 bar	20.68 bar	12.06 bar	12.06 bar	2.06 - 11.37 bar	Globe Style Only	•	•	•
75 mm	12.06 bar	20.68 bar	12.06 bar	12.06 bar	2.06 - 11.37 bar	Globe Style Only	•	•	•
100 mm	12.06 bar	20.68 bar	12.06 bar	12.06 bar	2.06 - 11.37 bar	Globe Style Only		•	•
150 mm	12.06 bar	20.68 bar	12.06 bar	12.06 bar	2.06 - 11.37 bar	Globe Style Only		•	•
200 mm	12.06 bar	20.68 bar	12.06 bar	12.06 bar	2.06 - 11.37 bar	Globe Style Only		•	•