

# 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

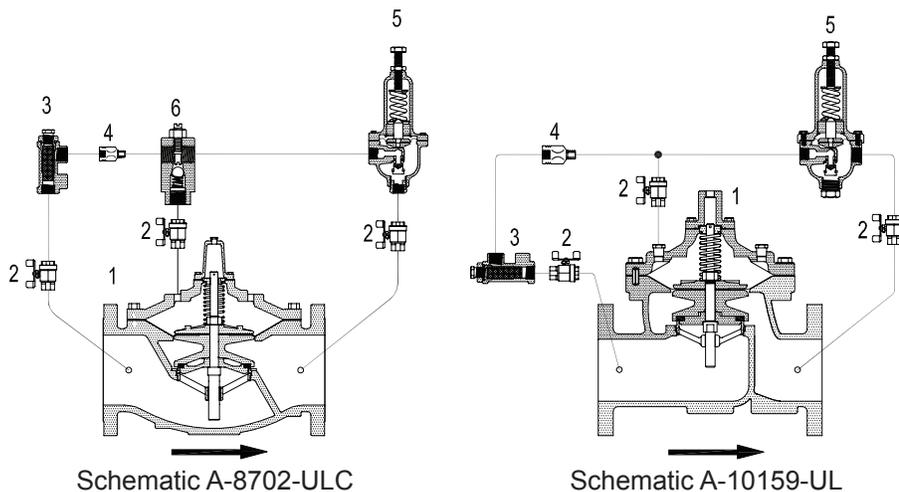


## PRODUCT OVERVIEW

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



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.

# Models 106-PR-10159-UL & 106-PR-8702-ULC

## 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 Pressure 150 FL	Max Inlet Pressure 300 FL	Max Inlet Pressure 150 FL	Max Inlet Pressure 300 FL					
1-1/2"	-	-	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		●	●