

### DUCTILE IRON PILOT OPERATED PRESSURE REDUCING VALVE (PLDIPPRV25)



#### FEATURES & BENEFITS

- Low weight and short laying length saves initial cost, requires less space, and is easier to install.
- 200 Micron Fusion Bonded Epoxy Powder Coated internal and external ensured barrier to corrosive chemicals, moisture and humid air.
- EPDM rubber diaphragm to facilitate quiet/Silent operations.
- Stable Performance, Safe & Reliable
- Simple Operation, Convenient Adjusting.
- Precise Pressure Reducing.
- Long Service Life.

#### APPLICATION

- Water treatment plant.
- Water source project.
- Building Service.
- Municipal facilities.
- Power & Utility.

#### INSTALLATION INSTRUCTIONS

- The valve's rated parameters should match the equipment's. Make sure that the valve's rated flow satisfies the actual demand.
- The installer must be trained or experienced so as to operate the installation correctly.
- Water supply pipe network should be washed before pressure reducing valve installation, eliminating sand, gravel and other debris in the pipe;
- The flow direction from inlet to outlet should be paid attention to in installation, and maintenance space around the valve is convenient to assemble;
- For the size below DN150, the main valve can be installed horizontally or vertically, but horizontal installation is better. the size above DN150 only can be installed horizontally.
- After debugging, the pilot valve and the needle type flow valve must be locked with locknut;
- Valve should be checked regularly, ensuring the debris in filter being cleaned.

#### PRESSURE / TEMPERATURE RATING

Pressure Rating	25 bar
Temperature	0 to 80 °C

#### PRESSURE REGULATING RANGE

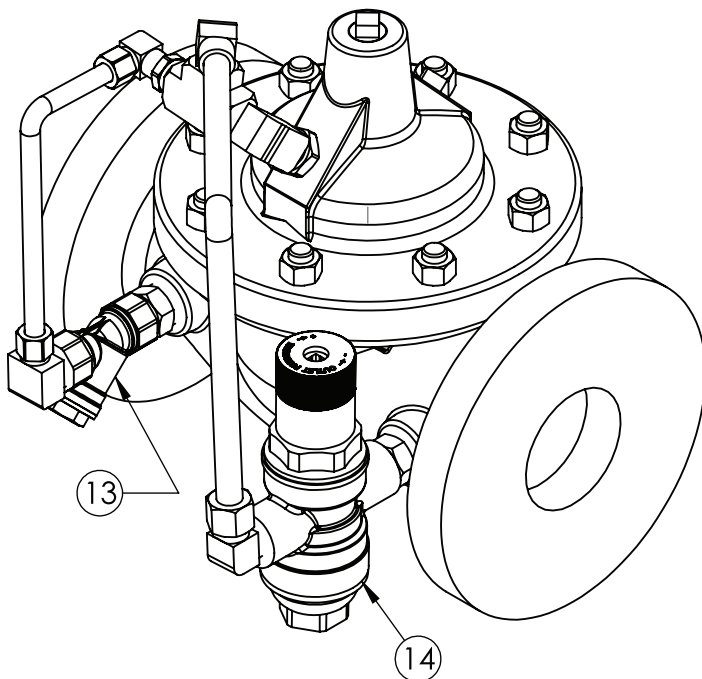
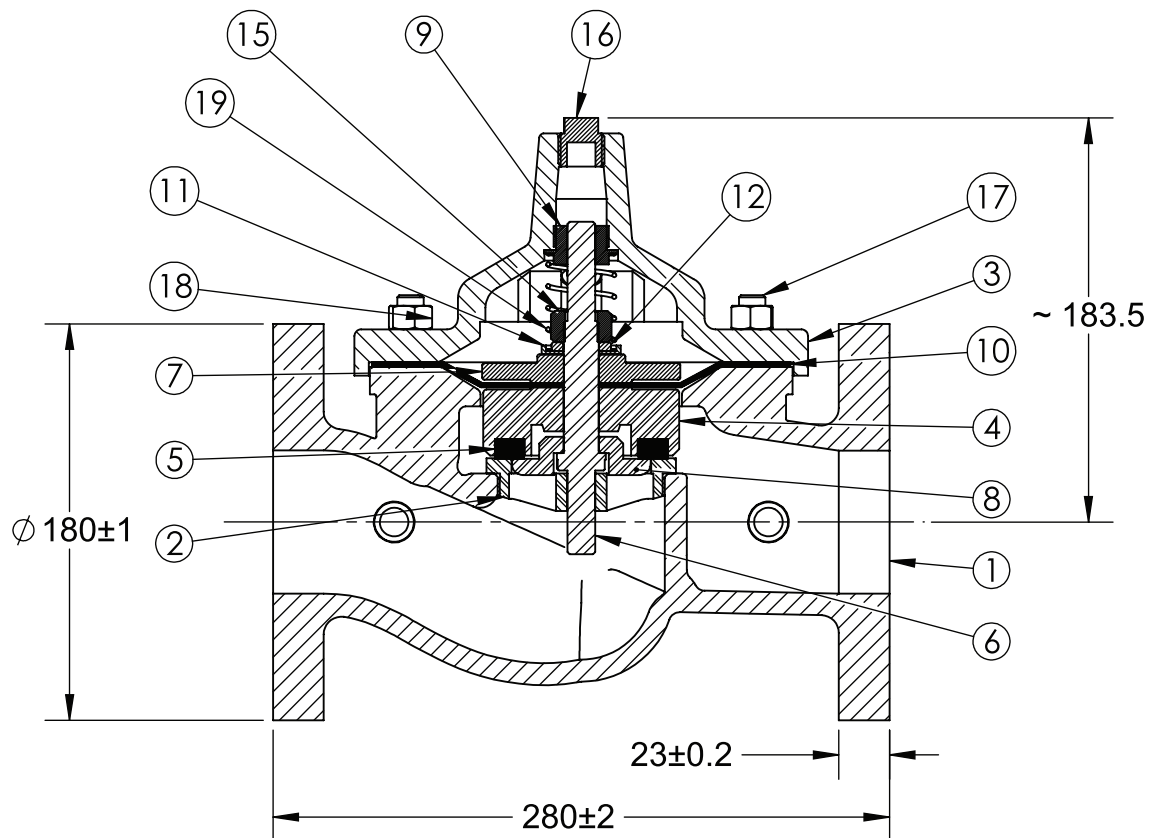
Range	.7 Bar-9 Bar
Factory Setting	3.5 Bar

#### TEST PRESSURES

Shell	37.5 bar
Seat	27.5 bar

TFL Valves Quality Policy Is Complete Satisfaction Of Customers. According To That We Have Selected QUALITY As A Strategic factor in application to all our organization. Our purpose is to reinforce competitiveness, to ensure customer satisfaction, to improve process related with product quality and guarantee accomplishment of quality requirements.

### DIMENSIONAL DRAWINGS



### MATERIAL SPECIFICATION

Part No.	Part Name	Material
1	BODY	S.G. IRON (ASTM A536)
2	SEAT RING	S.S. (AISI316)
3	BONNET	S.G. IRON (ASTM A536)
4	DISC HOLDER	S.G. IRON (ASTM A536)
5	DISC	S.S. (AISI316)
6	STEM	S.S. (AISI316)
7	DIAPHRAGM PLATE	S.G. IRON (ASTM A536)
8	DISK WASHER	S.S. (AISI316)
9	BONNET BEARING	S.S. (AISI316)
10	DIAPHRAGM	NBR
11	LOWER SPRING DISC	S.S. (AISI316)
12	STEM WASHER	S.S. (AISI316)
13	STRINER	BRONZE (BS 1400 LG2)
14	PRV	BRONZE (BS 1400 LG2)
15	STEM NUT	S.S. (AISI316)
16	PLUG	S.S. (AISI316)
17	STUDS	M.S.
18	NUTS	M.S.
19	SPRING	SPRING STEEL

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SL.NO.	FEATURES		DATA
01	Valve Type		Pressure Reducing Valve
02	Nominal Diameter		DN65-DN100
03	Maximum Working Pressure		2.5 Mpa
04	Working Temperature		0oC-80oC
05	Fluid Medium		Water
06	Pressure Regulating Range		10Psi-362.5Psi (0.07Mpa-1.6Mpa)
07	Factory Setting		50Psi(0.35Mpa)
08	Liquid / Gas Service		Water
09	Design Standard		BS EN 1567
10	End Connection Detail	Inlet End	Flanged Ends
		Outlet End	Flanged Ends
11	Material Detail	Body	Ductile Iron
		Bonnet	Ductile Iron
		Stem	Stainless Steel/Brass
		Seat	Stainless Steel/Brass
		Diaphragm	NBR/Nylon
		Sealing	NBR
12	Total Height		As per drawing specification
13	Shell Thickness Provided		As per drawing specification
14	Mode Of Operation		Pilot Operated