TLV®

DIRECT-ACTING PRESSURE REDUCING VALVE DR20

Stainless steel construction

Pressure reduction ratio of 30:1

Compact (total height 185 mm)

Light-weight (1.8 kg*)

* 25 mm model

For steam & air

More stable secondary pressure than with conventional direct-acting reducing valves!

Features

Stainless Steel Construction

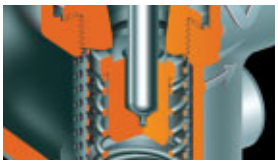
The body is constructed of stainless steel to prevent the problems caused by rust and the resultant build-up of scale.

Pressure Reduction Ratio of 30:1

A single DR20 is capable of reduction to minute pressures normally requiring 2-stage pressure reduction.

Superior Flow Characteristics

A more stable secondary pressure than with conventional direct-acting reducing valves is maintained through the use of a flat valve.



Fine Pressures Adjustment

The easy to grip handle, which fits comfortably in the hand, and a small-pitch adjusting screw make it possible to make extremely small adjustments in the secondary pressure. The locknut prevents accidental adjustment.

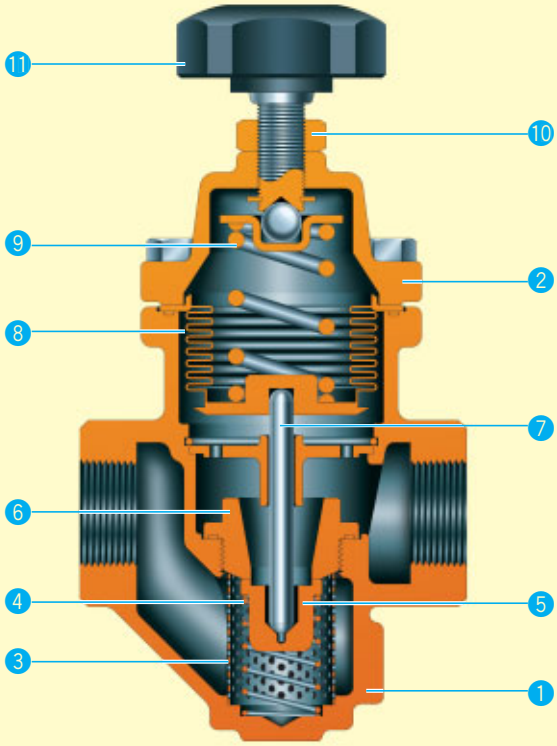
Easy Maintenance

No special tools are required for maintenance. Disassembly is easily performed with readily available tools.

Reusable Gaskets

All gaskets are made of PTFE.

Construction



No.	Description	Material	No.	Description	Material
1	Body	Cast Stainless Steel	6	Valve Seat	Stainless Steel
			7	Valve Stem	Stainless Steel
2	Cover	Cast Stainless Steel	8	Bellows	Stainless Steel
			9	Coil Spring	Stainless Steel
3	Screen	Stainless Steel	10	Locknut	Stainless Steel
4	Coil Spring	Stainless Steel	11	Adjustment Handle	Stainless Steel/ Plastic
5	Main Valve	Stainless Steel			

Specifications

Model	DR20-2	DR20-6	DR20-10
Connection	Screwed		
Size (mm)	15, 20, 25		
Maximum Operating Pressure (MPaG) PMO	1.6		
Maximum Operating Temperature (°C) TMO	220		
Primary Pressure Range (MPaG)	0.2 - 1.6		0.6 - 1.6
Adjustable Pressure Range (MPaG)	0.014 - 0.2, but not less than 1/30 of primary pressure	0.18 - 0.6	0.54 - 1.0
	Secondary pressure must not exceed 90% of primary pressure		
Applicable Fluids*	Steam, Air		

*Do not use for toxic, flammable, or otherwise hazardous fluids.

1 MPa = 10.197 kg/cm²

PRESSURE SHELL DESIGN CONDITIONS (**NOT** OPERATING CONDITIONS): Maximum Allowable Pressure (MPaG) PMA: 2.0
Maximum Allowable Temperature (°C) TMA: 220

CAUTION To avoid abnormal operation, accidents of serious injury, DO NOT use this product outside of the specification range. Local regulations may restrict the use of this product to below the conditions quoted.

For installation in horizontal piping (with adjustment handle facing up)

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TLV CO., LTD.
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is approved by LRQA Ltd. to ISO 9001/14001

ISO 9001/ISO 14001