TLV

DIRECT-ACTING DR20 PRESSURE REDUCING VALVE PN-DR

Manual or Pneumatic Setting Stainless steel construction Pressure reduction ratio of 30:1 Compact & Light For steam & air

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

Features

Manual or Pneumatic Setting

The DR20 offers manually-set pressure reduction in an extremely compact body. With all the benefits of the DR20, the PN-DR's pneumatic setting function enables remote adjustment of secondary pressure, while the manual setting ensures minimum acceptable set pressure in the event of motive air failure.



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/PN-DR 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

For manual setting, 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

Maintenance and disassembly can be performed with readily available tools. The built-in screen ensures extended trouble-free operation. All gaskets are made of PTFE and are reusable.

Specifications



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

**Optional A-DR20/A-PN-DR with soft seat (fluorine rubber) for improved sealing is available for air applications.

(Restrictions: PMO / Max. Primary Pressure: 10/7 barg, Max. Adjustable Pressure: 9/2 barg, TMO: 100 °C). See A-DR20/A-PN-DR data sheet for details.

PRESSURE SHELL DESIGN CONDITIONS (NOT OPERATING CONDITIONS): Maximum Allowable Pressure (barg) PMA: 20 Maximum Allowable Temperature (°C) TMA: 220

To avoid abnormal operation, accidents of serious injury, DO NOT use this product outside of the specification range. **CAUTION** Io avoid abriormal operation, accurctly of sender age, j = 1. For installation in horizontal piping (with adjustment handle facing up)

TLV. EURO ENGINEERING UK LTD.

Units 7 & 8, Furlong Business Park, Bishops Cleeve, Gloucestershire GL52 8TW, UK Tel: [44]-(0)1242-227223

E-mail: info@tlv.co.uk

https://www.tlv.com



1 bar = 0.1 MPa

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Construction



No.	Description	Material	No.	Description	Material
•	De de l	Cast Stainless	6	Valve Seat	Stainless Steel
•	воау	Steel	>	Valve Stem	Stainless Steel
0	Cover	Cast Stainless Steel	8	Bellows	Stainless Steel
			9	Coil Spring	Stainless Steel
8	Screen	Stainless Steel	9	Locknut	Stainless Steel
4	Coil Spring	Stainless Steel	1	Adjustment Handle	Stainless Steel/ Nylon
5	Main Valve	Stainless Steel			