

pressure reducing valve for steam type DM18



description:

Pressure reducing valves made of stainless steel are used to regulate the supply pressure in a system, to compensate for different inlet pressures to a certain pressure in the outlet side.

product features:

- Suitable for **steam and gaseous media**
- industrial design
- **1 manometer connection G 1/4" inch radial**

Connection:

1/2", 3/4", 1" Zoll
DN15, DN20, DN25

Temperature:

Max. 180°C

Pressure:

inlet:

Steam: max. 9,0 bar

outlet:

1,0 bar – 8,0 bar

design:

body material:

seal:

internals:

spring:

upstream pressure:

downstream pressure:

connection:

Pressure reducing valve for steam

stainless steel

FKM

PTFE

stainless steel

spring steel

Up to 9,0 bar

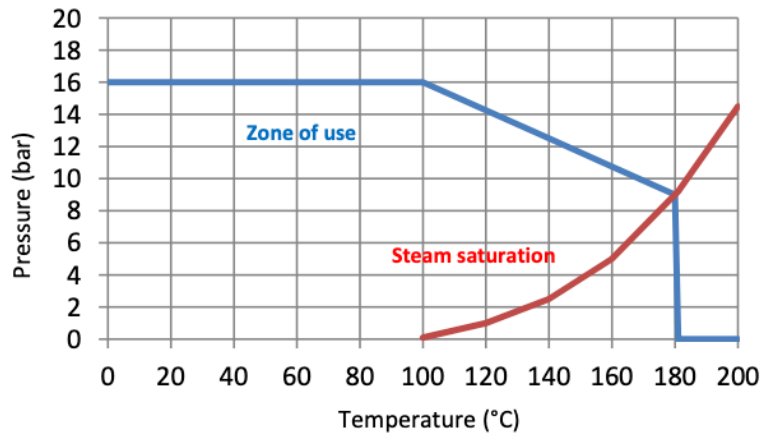
Type 0: 1-6 bar

Type 1: 4-8 bar

female thread acc. DIN EN ISO 228 BSP-P

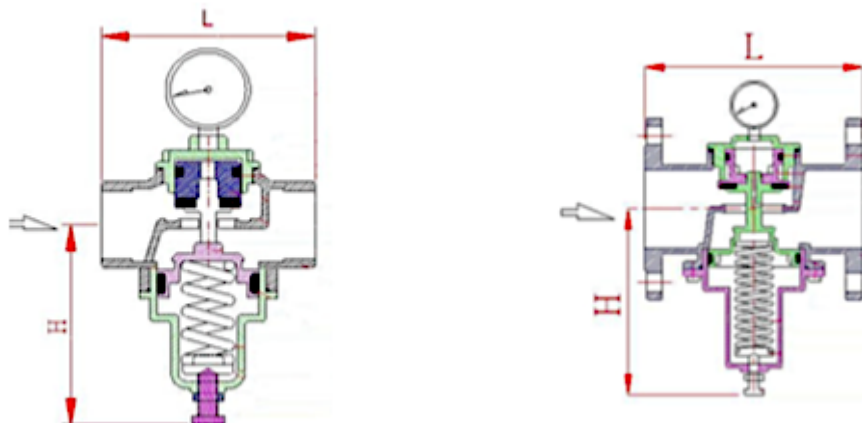
Flange acc. EN 1092-1

pressure-temperature-diagram:



dimensions:

size	DN	thread			flange		
		1/2"	3/4"	1"	15	20	25
height	H (mm)	80	105	105	85	105	105
length	L (mm)	70	85	92	155	155	155
Manometer connection		BSP 1/4"	BSP 1/4"	BSP 1/4"	BSP 1/4"	BSP 1/4"	BSP 1/4"
weight		0,8	1	1,1	2	2,8	5,3
Kv-value		1,4m ³ /h	5,3 m ³ /h	6,6 m ³ /h	1,4m ³ /h	5,3 m ³ /h	6,6 m ³ /h



installation:

The usual position of mounting is vertical on horizontal piping, manometer upward. Although not recommended vertical mounting with downward flow is also possible for diameters DN15 up to DN25.

Horizontal mounting: Any diameters	Vertical mounting :	
	Authorized only on downward flow and DN15 to DN25	Forbidden on ascending flow or diameters superior to DN25

saturated steam flow table (kg/h)

Flow rates (kg/h)		Upstream pressure (bar)	3	4	5	6	8	10
Downstream pressure (bar)	1	1/2"	50	67	84	100	134	168
		3/4"	190	254	318	381	508	636
		1"	230	307	384	460	614	768
	2	1/2"	50	67	94	100	134	168
		3/4"	187	250	318	381	508	636
		1"	225	302	384	460	614	768
	3	1/2"		61	84	100	134	168
		3/4"		233	318	381	508	636
		1"		281	384	460	614	768
	4	1/2"			72	100	134	168
		3/4"			271	373	499	636
		1"			327	451	603	768
	6	1/2"					134	168
		3/4"					465	635
		1"					562	767
	8	1/2"						168
		3/4"						542
		1"						654

article number:

type	range of pressure	connection	diameter
DM18	00 – 1-6 bar	00 – thread	03 – 1/2"
	01 – 4-8 bar	01 – flange	04 – 3/4"
			05 – 1"

example - DM18010004:

DM18 | **01** | **00** | **04**

pressure reducing valve made of stainless steel
internals are made of stainless steel

range of pressure: 4 – 8 bar
connection: female thread
seal: FKM
diameter: 3/4"

Image similar, subject change without notice.