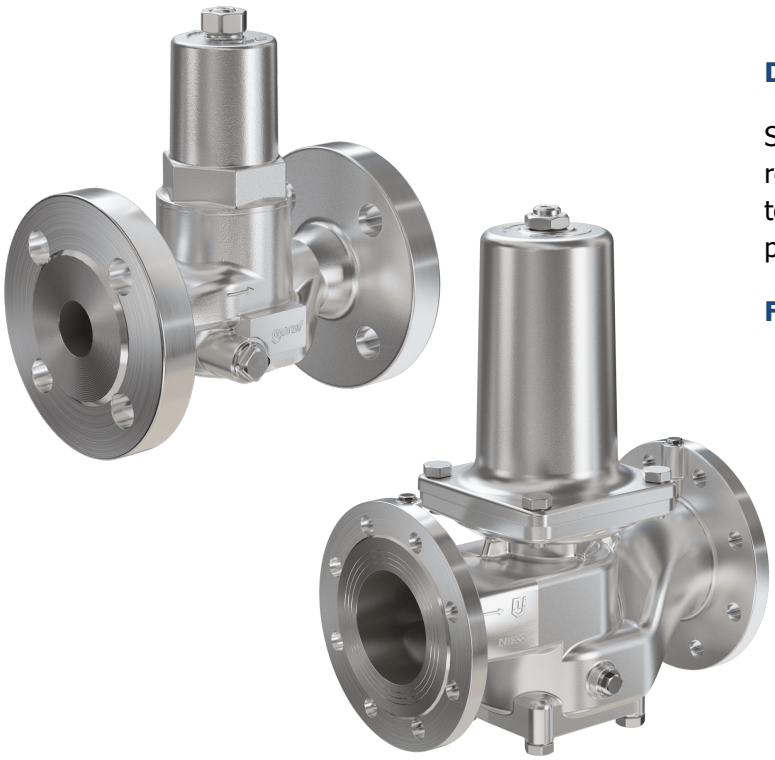
Stainless steel pressure reducing valve flange type DM13 | DM20



Description:

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

Features:

- suitable for aggressive water and other aggressive fluids
- **suitable for air & neutral non-inflammable gases**
- industrial design – full metal
- with cast flanges
- with integrated strainer filter up to size DN50
- double-sided manometer fitting connection G 1/4" inch
- assembly position: any desired, preferably vertical

Connection:	Temperature:	Pressure:
DN15, DN20, DN25, DN32, DN40, DN50, DN65, DN80, DN100	-20°C to +190°C Depending on design	Inlet pressure: to 40,0 bar Outlet pressure: 0,2 bar – 9,0 bar Depending on design

Subject to PED 2014/68/EU category I

Design:	Piston pressure reducing valve with built-in dirt trap		
Body:	Stainless steel 1.4408		
Flanges:	Stainless steel 1.4408		
Spring bonnet:	Stainless steel 1.4408		
membrane / seal:	**TYP DM13**	FKM / FPM	-10°C to +190°C
	TYP DM20	EPDM (FDA konform)	-30°C to +130°C
Internals:	Stainless steel 1.4404		
Assembly position:	any, preferably vertical		
Connection:	Flange acc. to DIN EN 1092 PN40, PN25, PN16 or ANSI 150		

Pressure range:	**Outlet pressure**	**Inlet pressure DIN**	**Inlet pressure ANSI**
spring 00	1,5 to 6,0 bar	to 40,0 bar	to 20,0 bar
spring 01	0,2 to 2,0 bar	to 25,0 bar	to 20,0 bar
spring 02	0,5 to 9,0 bar	to 40,0 bar	to 20,0 bar

Minimum pressure Inlet-/outlet pressure 1 bar

* DN15-DN50 till 40 bar inlet pressure, DN65-DN80 till 25 bar inlet pressure and DN100 till 16 bar inlet pressure

Note:

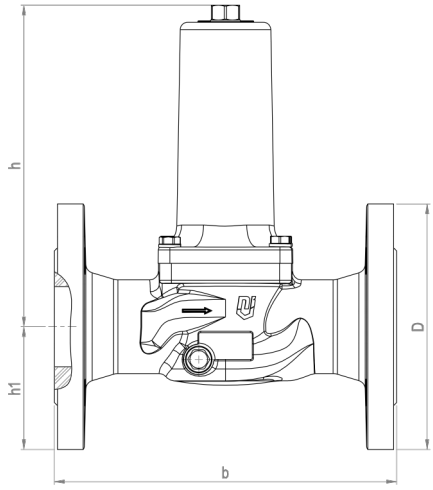
Type DM20 with EPDM seal comes with FDA-conformity, therefor it can be used for food-applications.

Dimensions:

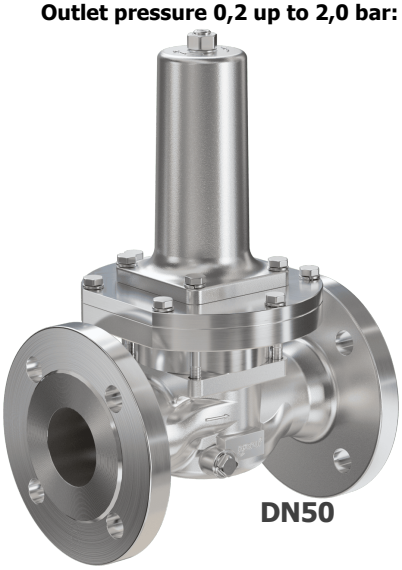
Diameter DN	15	20	25	32	40	50	65	80	100
Flange DIN EN 1092	PN40	PN40	PN40	PN40	PN40	PN40	PN25	PN25	PN16
Outlet pressure 1,5 up to 6,0 bar and outlet pressure 0,5 up to 9,0 bar									
b in mm	130	150	160	180	200	230	290	310	350
D in mm	95	105	115	140	150	165	185	200	220
h1 in mm	48	53	58	70	75	83	127	127	127
h in mm	116	116	116	116	219	219	347	347	347
Strainer mesh size mm	0,32	0,32	0,32	0,32	0,60	0,60	-	-	-
Kvs-value m3/h	2,9	3,9	5,4	6,1	9,0	13,0	48,0	60,0	70,0
weight in kg	2,9	3,6	4,9	6,2	9,8	11,6	32,2	35,1	36,1
Outlet pressure 0,2 up to 2,0 bar									
b in mm	130	150	160	180	200	230	-	-	-
D in mm	95	105	115	140	150	165	-	-	-
h1 in mm	48	53	58	70	75	83	-	-	-
h in mm	136	136	148	148	271	271	-	-	-
Strainer mesh size mm	0,32	0,32	0,32	0,32	0,60	0,60	-	-	-
Kvs-value m3/h	2,9	3,9	5,4	6,1	9,0	13,0	-	-	-
Weight in kg	3,3	4,0	5,9	7,2	13,5	15,3	-	-	-

Outlet pressure 1,5 up to 6,0 bar and outlet pressure 0,5 up to 9,0 bar:

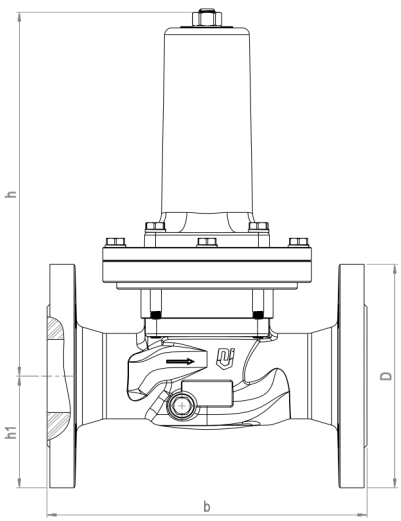
DN50



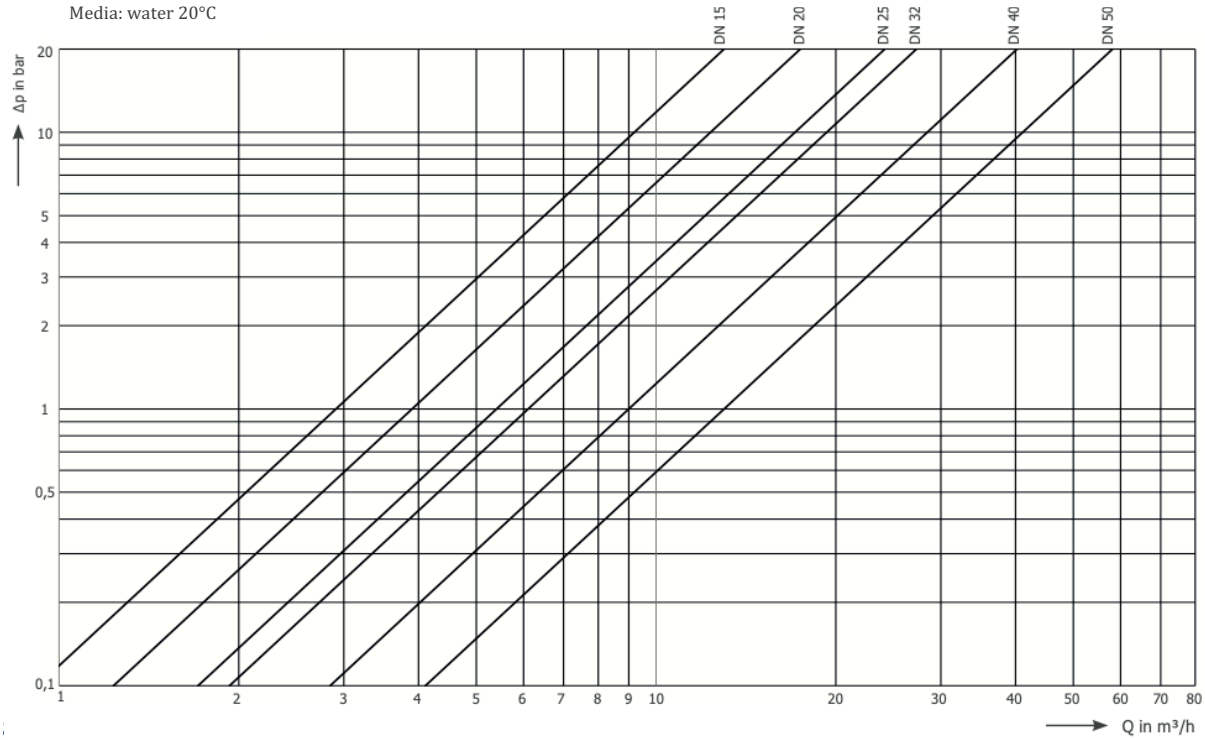
Outlet pressure 0,2 up to 2,0 bar:

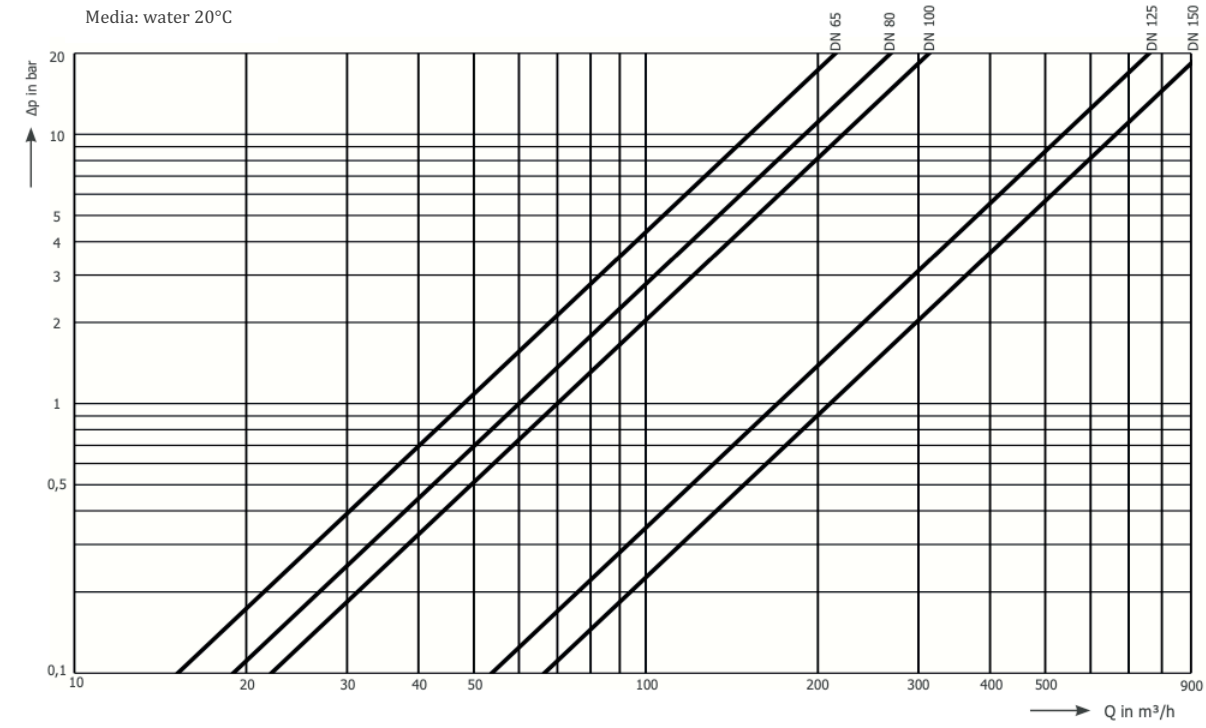


DN50



Pressure-temperature-diagram:





Article number:

Type	Outlet pressure	Connection	Size
DM13 – FPM	**00 – 1.5 up to 6.0 bar**	**00 – flange DIN EN 1092****	03 – DN15
DM20 – EPDM	01 – 0.2 up to 2.0 bar	01 – flange ANSI150	04 – DN20
	02 – 0.5 up to 9.0 bar		05 – DN25
			06 – DN32
			07 – DN40
			08 – DN50
			09 – DN65***
			10 – DN80***
			11 – DN100***

**DN15-DN50 with flange PN40, DN65-DN80 with flange PN25 and DN100 with flange PN16
***DM13 01 and DM20 01: DN65, DN80 and DN100 not available

Example No. DM13000007:

DM13	00	00	07

Pressure reducing valve made of stainless steel

Outlet pressure:	1,5 up to 6,0 bar
Membrane:	FPM
Connection:	flange PN40
Size:	DN40

Image similar, subject change without notice.