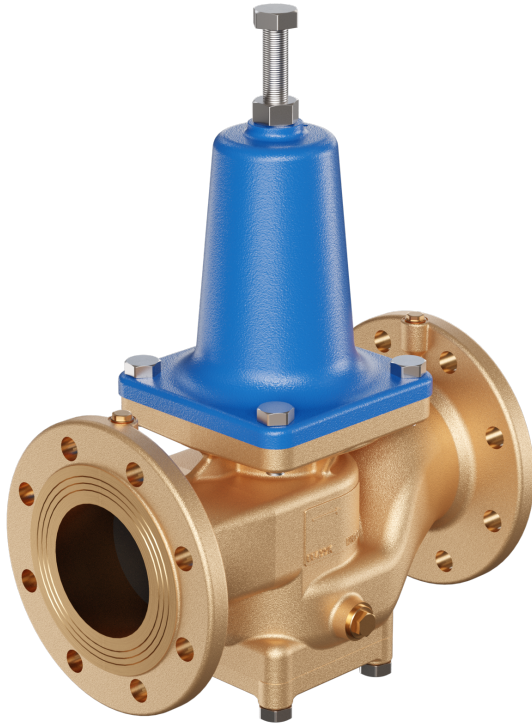


## flange pressure reducing valve TYPE DM16



### description:

Flange pressure reducing valve are used to regulate the supply pressure in a system, to compensate different inlet pressures to a certain pressure at the outlet side.

### product features:

- suitable for neutral, non- inflammable gases and not adhesive liquid & gaseous media
- double-ended manometer fitting
- assembly position: any desired, preferably vertical
- continuously adjustable outlet pressure

### connection:

DN65, DN80, DN100, DN125, DN150

### temperature:

-30°C up to +190°C  
- depending on design

### pressure:

inlet pressure: up to 25,0 bar  
outlet pressure: 0,5 bar – 12,0 bar  
- depending on design

**Subject to PED 2014/68/EU category I**

### design:

pressure reducing valve with diaphragm or piston

### body material:

gunmetal Rg5 CC499K

### spring bonnet:

cast iron

### seals:

NBR, EPDM (suitable for drinking water), FKM

### diaphragm:

NBR, EPDM (suitable for drinking water), FKM

### inner parts:

brass

### inlet pressure:

25 bar for DN65 and DN80

16 bar for DN100 to DN150

### outlet pressure:

type 0: 0,5 – 4,0 bar (diaphragm version)

type 1: 1,5 – 6,0 bar (diaphragm version)

type 2: 3,0 – 10,0 bar (diaphragm version)

type 3: 4,0 – 12,0 bar (piston version)

### minimum pressure difference:

1 bar

### connection:

flange acc. to DIN EN 1092 PN 25 (DN65 and DN80)

flange acc. to DIN EN 1092 PN 16 (DN100 to DN150)

### temperature:

NBR -15°C to +75°C

EPDM -30°C to +130°C

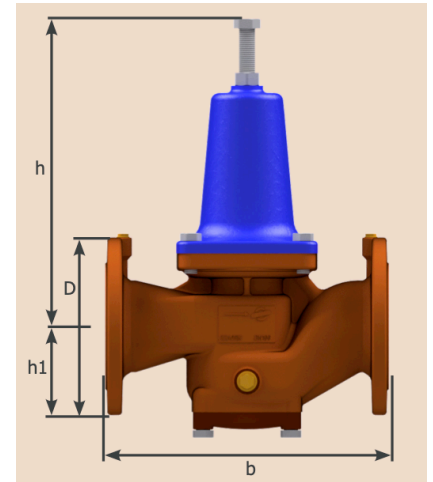
FKM -10°C to +190°C

### pressure gauge connection:

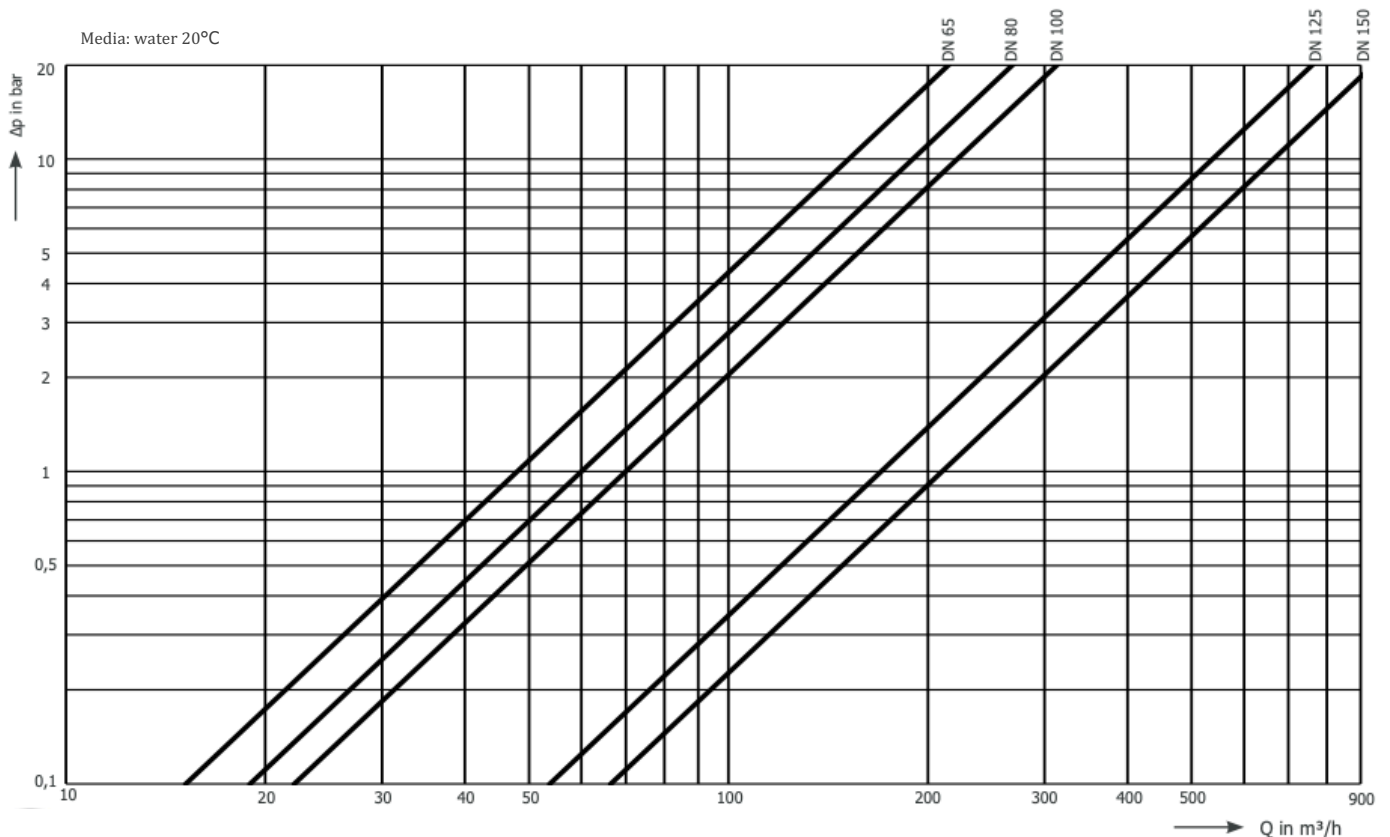
double-ended radial G 1/4" inch manometer fitting

## dimensions:

diameter DN	65	80	100	125	150
inlet flange	65	80	100	125	150
outlet flange	65	80	100	125	150
flange PN	25	25	16	16	16
b	290	310	350	400	480
D	185	200	220	250	285
h1 (diaphragm version)	136	137	141	185	185
h (diaphragm version)	380	381	396	548	548
h1 (piston version)	136	136	136	185	185
h (piston version)	406	409	465	590	590
Kvs-value m <sup>3</sup> /h	48	60	70	170	210
inlet pressure	25 bar	25 bar	16 bar	16 bar	16 bar
outlet pressure bar					
type 0 – version	0,5 – 4,0	0,5 – 4,0	0,5 – 4,0	0,5 – 4,0	0,5 – 4,0
weight kg	33,6	39,6	38,0	88,5	97,8
type 1 – version	1,5 – 6,0	1,5 – 6,0	1,5 – 6,0	1,5 – 6,0	1,5 – 6,0
weight kg	33,4	39,6	37,8	88,6	97,6
type 2 – version	3,0 – 10,0	3,0 – 10,0	3,0 – 10,0	3,0 – 10,0	3,0 – 10,0
weight kg	33,2	39,5	37,7	90,0	99,3
type 3 – version	4,0 – 12,0	4,0 – 12,0	4,0 – 12,0	4,0 – 12,0	4,0 – 12,0
weight kg	39,2	44,3	43,4	98,3	107,6



## Pressure-temperature-diagram:



## further options (on request):

- all sizes with ANSI or JIS flanges
- 4-hole-version for PN16 for diameter DN65
- diameter DN100 to DN150 with PN25 flanges for inlet pressure till 25 bar
- special version for sea water

## article number:

type	range of pressure	seal	diameter
<b>DM16</b>	00 – 0,5 – 4,0 bar	<b>00 – NBR</b>	09 – DN65
	<b>01 – 1,5 – 6,0 bar</b>	01 – EPDM	10 – DN80
	02 – 3,0 – 10,0 bar	02 – FKM	11 – DN100
	03 – 4,0 – 12,0 bar*		<b>12 – DN125</b> 13 – DN150

### example article Nr. **DM16010012:**

<b>DM16</b>	<b>01</b>	<b>00</b>	<b>12</b>
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pressure reducing valve gunmetal  
 inner parts brass  
 range of pressure: 1,5 – 6,0 bar  
 seal: NBR  
 diameter: DN125

\*version for range of pressure 4,0 – 12,0 bar only available with seal NBR

Image similar, subject change without notice.