



DRV 672 • DRV 678
DN 65 - DN 150

Pressure reducing valve
Flange • Wide range
Red bronze

Pressure reducing valves of the series are diaphragm-controlled, spring-loaded pressure reducing valves and have an inlet pressure compensation.

DGRL 2014/68/EU



Classification societies

- DNV GL
- LR
- BV
- ABS
- CCS

Customs tariff number

84811099



Media

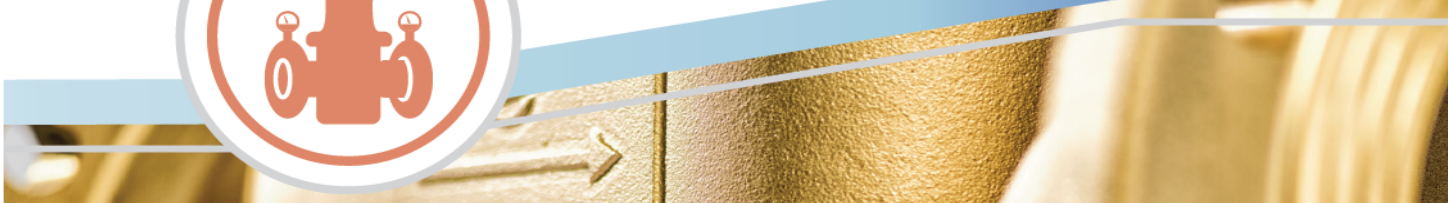
The pressure reducers are suitable for use with water and neutral, non-adhesive liquids, but can also be used for air and neutral gases when larger flow rates are required.

For the media drinking water or sea water we refer to our special series DRV -6 or DRV -SW.



Special version seawater (-SW)

In this special version for seawater, all materials in contact with the media are seawater resistant.



Features

- pressure-relieved single seated valve
- diaphragm-controlled
- continuously adjustable outlet pressure
- max. inlet pressure 16/ 25 bar
- outlet pressure: 0,5 - 9 bar
- flanges acc. DIN EN 1092 PN 25 (DN 65 & DN 80)
- flanges acc. DIN EN 1092 PN 16, (DN 100 to DN 150)
- optionally all sizes with ANSI or JIS flanges
- optionally DN 100 to DN 150 with PN 25 flanges
- double-ended G 1/4" manometer fitting
- assembly position: any desired, preferably vertical
- minimum pressure difference (inlet/outlet pressure): 1 bar

Pressures



max. 25 bar





0,5 - 9 bar

Connections



Flange connection
 acc. DIN EN 10920 PN 25 (DN 65 & DN 80)
 acc. DIN EN 10920 PN 16 (DN 100 to DN 150)

Materials

	body	spring bonnet	seals	wetted parts	max. temperature
standard version	red bronze CC499K	cast iron	NBR optionally EPDM	brass/ stainless steel V4A	100 °C
special version:					
 high temperature (-HT)	red bronze CC499K	cast iron	EPDM	brass/ stainless steel V4A	130 °C
 seawater (-SW)	red bronze CC499K	cast iron	NBR	red bronze stainless steel V4A	100 °C



Temperatures

Various options for the seals and wetted parts allow a maximum temperature of up to 130°C.



from -30 °C up to +130 °C

Seals and temperatures

NBR -15°C to +100°C
 EPDM -30°C to +130°C

Special version for high temperature(-HT)

Often the temperature resistance of standard pressure reducers is not sufficient for your application. For such applications, various variants of the -HT series are available. This high temperature series is equipped with FPM seals. Thus, a maximum temperature resistance of 130°C is achieved with EPDM seals in combination with metallic internal parts.

Please note that these pressure reducers are not suitable for use with steam.



Technical data

nominal size	65	80	100	100	125	125	150	150
PN	25	25	16	25	16	25	16	25

Pressures

max. 25 bar



max. inlet pressure [bar]

DRV 672	25	25	16	25	16	25	16	25
DRV 678	25	25	16	25	16	25	16	25

0,5 - 9 bar



outlet pressure [bar]

DRV 672	0,5 - 4							
DRV 678	0,5 - 9							

Connections

Flange connection
 from DN 65 to DN 150



dimensions [mm]

DN	65	80	100	100	125	125	150	150
b	290	310	350	350	400	400	480	480
all types D	185	200	220	235	250	270	285	300
h1	136	137	141	141	185	185	185	185
h	380	381	396	396	548	548	548	548

weight [kg]

DRV 672	33,6	39,6	38,0	39,9	88,5	94,0	97,8	102,5
DRV 678	33,4	39,7	37,9	39,9	90,2	95,7	99,5	104,2

kvs-value [m³/h]

all types	48	60	70	70	170	170	210	210
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