



DRV 550
Type A (DN 15 - DN 32)



DRV 550
Type B (DN 40 - DN 80)

Pressure reducing valve
Flange • Low pressure
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

84811005



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. Smaller nominal diameters up to DN 32 are equipped with a removable cartridge made of POM and red-bronze. For nominal sizes DN 40 and larger, the internal parts are made completely of red-bronze.



Features

- pressure-relieved single seated valve
- diaphragm-controlled
- continuously adjustable outlet pressure
- max. inlet pressure up to 16 bar
- outlet pressure : 0,2 - 2 bar
- Flanges acc. DIN EN 1092 PN 40 (DN 15 to DN 50)
- Flanges acc. DIN EN 1092 PN 25 (DN 65 to DN 80)
- optionally all sizes with ANSI or JIS flanges
- optionally DN 65 with PN 16 flanges
- with integrated strainer filter
- replaceable inner parts
- double-ended G 1/4" manometer fitting (for outlet pressure)
- assembly position: any desired, preferably vertical
- minimum pressure difference (inlet/outlet pressure): 1 bar

Pressures



max. 16 bar





0,2 - 2 bar

Connections



Flange
 acc. DIN EN 10920 PN 40 (DN 15 to DN 50)
 acc. DIN EN 10920 PN 25 (DN 65 to DN 80)

Materials

	body	spring bonnet	seals	wetted parts	max. temperature
standard version	red bronze CC499K	up to DN 32 PA6 from DN 40 cast iron	NBR optional ly EPDM**, FPM***	up to DN 32 Hostaform C & brass from DN 40 brass	100 °C*
special version:					
 high temperature (-HT)	red bronze CC499K	up to DN 32 brass	FPM***	brass	190 °C
 sea water (-SW)	red bronze CC499K	up to DN 32 brass from DN 40 cast iron	NBR	up to DN 32 Hostaform C & red bronze from DN 40 red bronze	100 °C

* with plastic bonnet up to 75°C
 ** except DN 32, ***only DN 15 to DN 32



Temperatures

Various options for the seals and wetted parts allow a maximum temperature of up to 190°C.



from -30 °C up to +190 °C

Seals and temperatures

- NBR* -15°C to +100°C
- EPDM** -30°C to +130°C
- FPM*** -10°C to +190°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 190°C is achieved with FPM seals in combination with metallic internal parts.

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



Technical data

nominal size	15	20	25	32	40	50	65	80
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Type
Pressures

max. 16 bar



max. inlet pressure [bar]

DRV 550

A

16

B

16

0,2 - 2 bar



outlet pressure [bar]

DRV 550

0,2 - 2

0,2 - 2

Connections

Flange connection
 from DN 15 to DN 80



dimensions [mm]

	DN	15	20	25	32	40	50	65	80
	b	130	150	160	180	200	230	290	310
DRV 550	D	95	105	115	140	150	165	185	200
	h1	48	53	58	70	75	83	93	100
	h	127	130	127	128	310	310	323	323

weight [kg]

DRV 550	2,7	3,6	4,5	6,2	13,2	15,7	21,9	24,7
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kvs-value [m³/h]

DRV 550	2,9	3,9	5,4	6,1	9	13	17	18
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