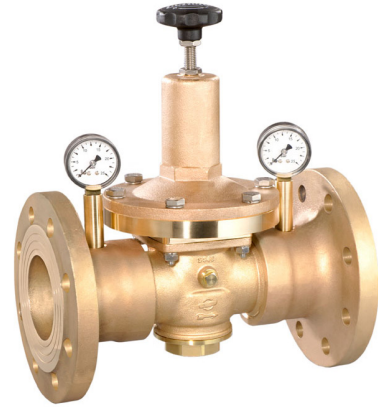




DRV 550
Type A (DN 15 - DN 32)



DRV 550
Type B (DN 40 - DN 80)



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.

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 **CE**

Classification societies

- DNV GL
- LR
- BV
- ABS
- CCS

Customs tariff number

84811005



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 25
- 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 25

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

A

B

Pressures

max. inlet pressure [bar]

max. 16 bar



DRV 550

16

16

outlet pressure [bar]

0,2 - 2 bar



DRV 550

0,2 - 2

0,2 - 2

Connections

dimensions [mm]

Flange connection
from DN 15 to DN 80



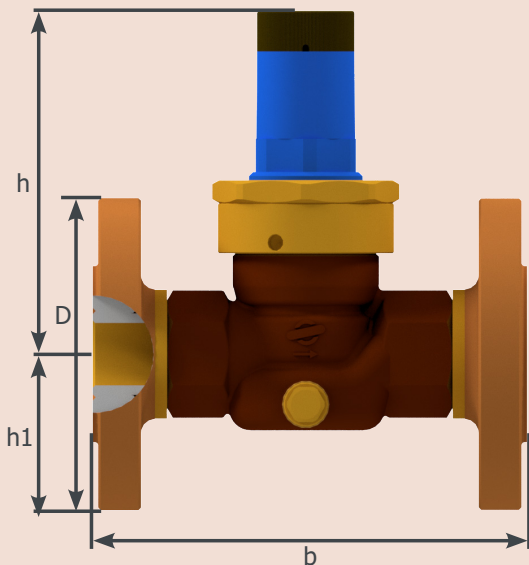
	DN	15	20	25	32	40	50	65	80
	b	130	150	160	180	200	230	290	310
DRV 550	D	95	105	115	140	150	165	185	200
	h1	48	53	58	70	75	83	93	100
	h	127	130	127	128	310	310	323	323

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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Article number

nominal size	15	20	25	32	40	50	65	80
standard version								
DRV 550	055002	055003	055004	055005	055006	055007	055008	055009
special version								
high temperature -HT	art.no. standard + -00130			--				
sea water -SW	art.no. standard + -00500			art.no. standard + -00200				

Standard article numbers are 6 digits, article numbers for additional options are 11 digits. (See next page for an overview of options)

Manometer

diameter	connection	body	pressure range	max. temp.	art.no.
50 mm	G 1/4", central back	steel	0 - 4 bar	60°C	009001
50 mm	G 1/4", central back	steel	0 - 10 bar	60°C	009002
63 mm	G 1/4", central back	stainless steel	0 - 10 bar	60°C	009015
63 mm	G 1/4", central back	stainless steel	0 - 10 bar	200°C	009014



Options

C C - connections

00 -	DIN EN 10920 PN 25	standard
54 -	DIN EN 10920 PN 16	only DN 65
61 -	ANSI B 16.5 RF	class 150 lbs
75 -	JIS B2220	16K

E - elastomers

0 -	NBR	standard
2 -	EPDM	except DN 32
3 -	FPM	only DN 15 - DN 32

M - material wetted parts

0 -	brass/ POM	standard up to DN 32
0 -	brass	standard from DN 40
1 -	brass	DN 15 to DN 32
2 -	red bronze	
5 -	red bronze/ POM	only DN 15 to DN 32

F - finishes

0 -	without additional finishes
1 -	inside + outside nickel plated
3 -	inside + outside chrome-plated
5 -	inside + outside chemically nickel-plated

Configuration example of an article number with additional options

inlet pressure: 10 bar
seals: FPM

outlet pressure: 1 bar
temperature: 30 °C

connection: DN 15 ANSI B 16.5 RF
inside + outside chemically nickel-plated

art.no. standard version						-	C	C	M	E	F
0	5	5	0	0	2	-	6	1	0	3	5

Flow diagram

