



DRV 502 • DRV 508



DRV 502 • DRV 508
Type A (DN 15 - DN 32)



DRV 502 • DRV 508
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.

DGRL 2014/68/EU 

Classification societies

- DNV GL
- ABS
- LR
- CCS
- BV

Customs tariff number

84811005


DRV 502 • DRV 508


Features

- pressure-reliefed single seated valve
- diaphrahgm-controlled
- continuously adjustable outlet pressure
- max. inlet pressure up to 40 bar
- outlet pressure : 1,5 - 10 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



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

Pressures



max. 40 bar



1,5 - 10 bar

Connections



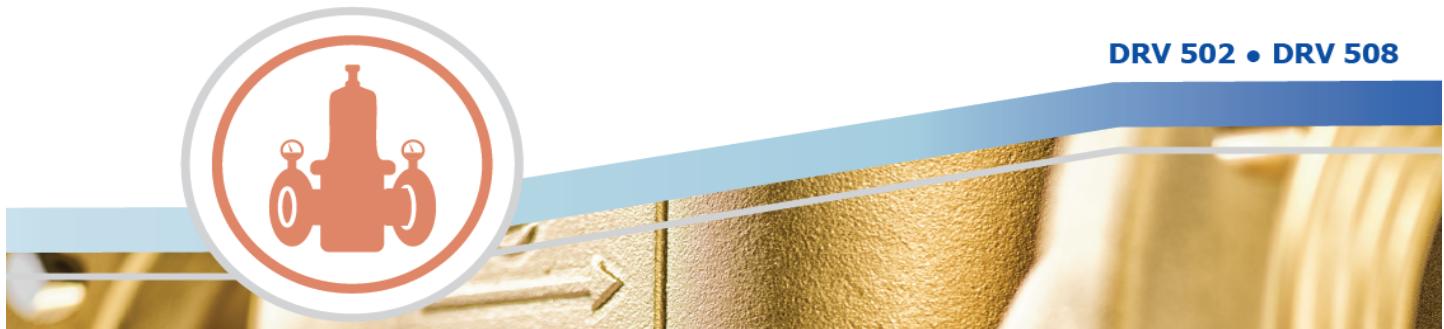
Flanges

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 brass from DN 40 cast iron	NBR optionally 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 from DN 40 cast iron	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

* w/o DN 32



Technical data

nominal size	15	20	25	32	40	50	65	80
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Type

Pressures

max. 40 bar



max. inlet pressure [bar]

DRV 502

A

40

B

25

DRV 508

Pressures

1,5 - 10 bar



outlet pressure [bar]

DRV 502

1,5 - 6

1,5 - 6

DRV 508

1,5 - 10

1,5 - 10

Connections

Flange connection
from DN 15 to DN 80



dimensions [mm]

	DN	15	20	25	32	40	50	65	80
all types	b	130	150	160	180	200	230	290	310
	D	95	105	115	140	150	165	185	200
	h1	48	53	58	70	75	83	93	100
DRV 502	h	139	140	138	136	239	243	256	256
DRV 508	h	136	137	136	131	313	320	331	331

weight [kg]

DRV 502	2,4	3,3	4,1	5,9	9,2	12,3	18,0	20,7
DRV 508	2,4	3,3	4,1	5,9	9,6	12,8	18,6	21,4

kvs-value [m³/h]

all types	2,9	3,9	5,4	6,1	9	13	17	18
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