



**DRV 302 • DRV 303 • DRV 308**



DRV 302 • DRV 308  
Type A (DN 15 - DN 32)



DRV 303  
Type A (DN 15 - DN 32)



DRV 302 • DRV 308  
Type B (DN 40 - DN 50)

## Pressure reducing valve Female thread • Standard 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 40 bar
- outlet pressure : 1,5 - 10 bar
- female thread acc. ISO 228, optionally with NPT-Gewinde
- 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. 40 bar



1,5 - 10 bar

## Connections



Female thread  
 acc. ISO 228  
 from G 1/4" to G 2"



## 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



\* DRV 303 up to max. 75°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.

## Materials

	body	spring bonnet	diaphragm & 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 versions:					
 high temperature (-HT)*	red bronze CC499K	up to DN 32 brass from DN 40 cast iron	FPM	brass	190 °C
 seawater (-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

\* DRV 303 with plastic bonnet, only up to 75°C



**DRV 302 • DRV 303 • DRV 308**

**Technical data**

nominal size	15	20	25	32	40	50
G	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"

**Type**

A

B

**Pressures**

max. inlet pressure [bar]

max. 40 bar



DRV 302  
DRV 303  
DRV 308

40  
16  
40

25  
--  
25

outlet pressure [bar]

1,5 - 10 bar



DRV 302  
DRV 303  
DRV 308

1,5 - 6  
1,5 - 6  
1,5 - 10

1,5 - 6  
--  
1,5 - 10

**Connections**

Female thread  
from G 1/2" up to G 2"



dimensions [mm]

	G	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
all types	b	85	95	105	120	150	160
	h1	27	27	29	47	52	52
DRV 302		141	140	138	139	241	243
DRV 303	h	109	110	109	106	--	--
DRV 308		134	135	134	131	319	320

weight [kg]

DRV 302	0,8	0,8	1,1	1,5	4,5	4,9
DRV 303	0,6	0,7	1,1	1,4	--	--
DRV 308	0,8	0,8	1,1	1,5	5,0	5,5

kvs-value [m³/h]

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