



DRV 324 • DRV 325



Type A (DN 15 - DN 32)



Type B (DN 40 - DN 50)



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



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Features

- pressure-reliefed single seated valve
- diaphrahgm-controlled
- continuously adjustable outlet pressure
- max. inlet pressure up to 40 bar
- outlet pressure : 1,5 - 20 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 - 20 bar

Connections



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

* only DN 40 + DN 50

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	seals	piston	wetted parts	max. temperature
standard version	red bronze CC499K	up to DN 32 brass from DN 40 cast iron	NBR optionally EPDM, FPM	brass	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	brass	190 °C
sea water(-SW)	red bronze CC499K	up to DN 32 brass from DN 40 cast iron	NBR	red bronze	up to DN 32 Hostaform C & red bronze from DN 40 red bronze	100 °C



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Technical data

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

Pressures

max. 40 bar



max. inlet pressure [bar]

DRV 324

A

DRV 325

40

B

25

Connections

Female thread
from G 1/2" 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	60	60
DRV 324	h	155	156	155	154	302	302
DRV 325		206	207	206	205	326	326

weight [kg]

DRV 324	1,1	1,2	1,5	1,8	7,0	7,3
DRV 325	1,4	1,5	1,9	1,9	7,0	7,3

kvs-value [m^3/h]

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