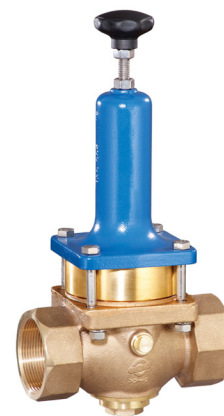




Type A (DN 15 - DN 32)



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.

Pressure reducing valve Female thread • High pressure Red bronze

Pressure reducing valves of the series are piston-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



Features

- pressure-relieved single seated valve
- diaphragm-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"

Materials



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.

	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
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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	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 324

40

25

DRV 325

40

25

outlet pressure [bar]

1,5 - 10 bar



DRV 324

1,5 - 12

1,5 - 12

DRV 325

2,0 - 20

2,0 - 20

Connections

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


dimensions [mm]

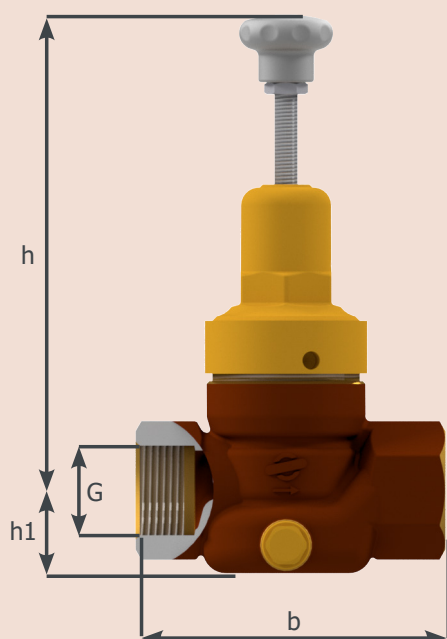
	G	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
all types	b	85	95	105	120	150	160
	h1	27	27	29	47	60	60
DRV 324	h	155	156	155	154	302	302
DRV 325	h	206	207	206	205	326	326

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 [m³/h]

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

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

standard version

DRV 324	032402	032403	032404	032405	032406	032407
DRV 325	032502	032503	032504	032505	032506	032507

special version

high temperature -HT	art.no. Standard + -00130			art.no. Standard + -00030		
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 - 10 bar	60°C	009002
63 mm	G 1/4", central back	steel	0 - 25 bar	60°C	009004
63 mm	G 1/4", central back	stainless steel	0 - 10 bar	200°C	009014
63 mm	G 1/4", central back	stainless steel	0 - 16 bar	200°C	009016



Options

C C - connections

00 -	ISO 228	standard
30 -	NPT - ASME B1.20.1	

M - material wetted parts

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

E - elastomers

0 -	NBR	standard
2 -	EPDM	only DN 40 + DN 50
3 -	FPM	

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: 25 bar
seals: FPM

outlet pressure: 13 bar
temperature: 130 °C

connection: 1" NPT
without additional finishes

art.no. standard version						-	C	C	M	E	F
0	3	2	5	0	4	-	3	0	1	3	0

Flow diagram

