



DRV 402 • DRV 408
Type A (DN 15 - DN 32)



DRV 403
Type A (DN 15 - DN 32)



DRV 402 • DRV 408
Type B (DN 40 - DN 65)



Pressure reducing valve
Male 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.

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 medium drinking water we refer to our special series DRV -6.

DGRL 2014/68/EU **CE**

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 - 10 bar
- Male thread acc. ISO 7
- 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
- Female thread G 3/8" socket on request

Pressures



max. 40 bar



1,5 - 10 bar

Connections



Male thread
acc. ISO 7
from R 1/2" to R 2 1/2"

Materials

	body	spring bonnet	membrane & 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*

Sonderausführungen:



high temperature (-HT)*	red bronze CC499K	up to DN 32 brass from DN 40 cast iron	FPM	brass	190 °C
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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 403 up to 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.

* DRV 403 with plastic bonnet, up to 75°C



Technical data

nominal size	15	20	25	32	40	50	65
R	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"

Type

A

B

Pressures

max. inlet pressure [bar]

max. 40 bar



DRV 402	40	25
DRV 403	16	--
DRV 408	40	25

outlet pressure [bar]

1,5 - 10 bar



DRV 402	1,5 - 6	1,5 - 6
DRV 403	1,5 - 6	--
DRV 408	1,5 - 10	1,5 - 10

Connections

Male thread
from R 1/2" to R 2 1/2"



dimensions [mm]

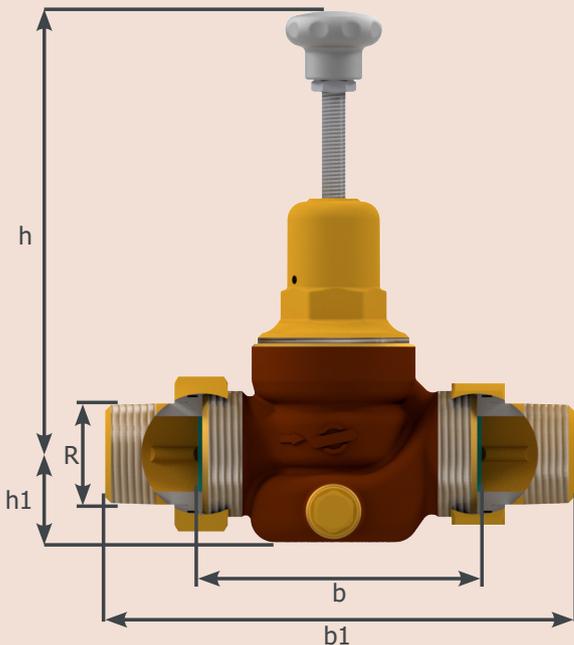
	R	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"
all types	b	78	78	90	100	125	126	150
	b1	134	141	161	177	210	210	273
	h1	27	28	29	47	51	53	68
	h	109	109	107	109	--	--	--
DRV 402		139	134	135	171	242	241	256
DRV 403		109	109	107	109	--	--	--
DRV 408		135	137	135	172	319	320	331

weight [kg]

DRV 402	0,9	1,0	1,5	2,1	4,6	5,2	7,5
DRV 403	0,7	0,9	1,4	1,9	--	--	--
DRV 408	0,9	1,0	1,5	2,1	5,2	5,7	8,1

kvs-value [m³/h]

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

nominal size	15	20	25	32	40	50	65
R	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"

standard version

DRV 402	040202	040203	040204	040205	040206	040207	040208
DRV 403	040302	040303	040304	040305	--	--	--
DRV 408	040802	040803	040804	040805	040806	040807	040808

special version

high temperature -HT	art.no. standard + -00130			art.no. standard + -00030		
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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 - ISO 7 standard

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 DN 15 to DN 32

E - elastomers

0 - NBR standard
 2 - EPDM
 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: 10 bar
 seals: EPDM

outlet pressure: 4 bar
 temperature: 30 °C

connection: 2"
 without additional finishes

art.no. standard version						-	C	C	M	E	F
0	4	0	2	0	7	-	0	0	0	2	0

Flow diagram

