



DRV 472 • DRV 478
Type A (DN 15 - DN 32)



DRV 473
Type A (DN 15 - DN 32)



DRV 472 • DRV 478
Type B (DN 40 - DN 65)



Pressure reducing valve Male thread • Wide range 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



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 : 0,5 - 9 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



0,5 - 9 bar

Connections



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

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

* DRV 473 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.

	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*

special version:



high temperature (-HT)*	red bronze CC499K	up to DN 32 brass from DN 40 cast iron	FPM	brass	190 °C
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* DRV 473 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 472	40	25
DRV 473	16	--
DRV 478	40	25

outlet pressure [bar]

0,5 - 9 bar



DRV 472	0,5 - 4	0,5 - 4
DRV 473	0,5 - 4	--
DRV 478	0,5 - 9	0,5 - 9

Connections

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



dimensions [mm]

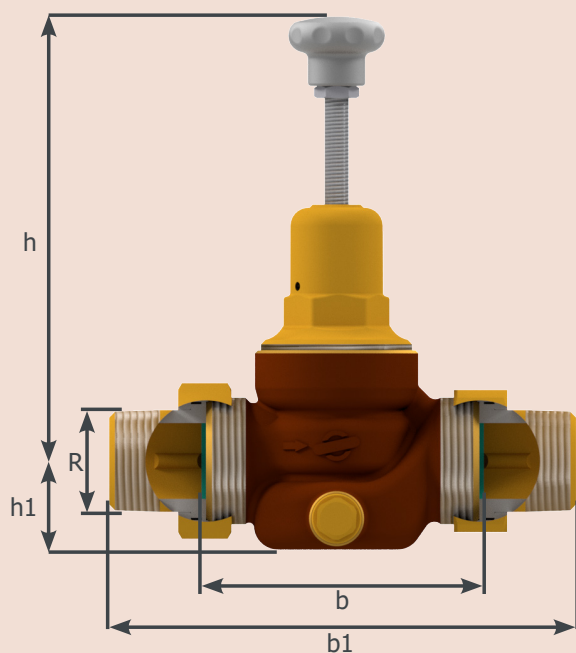
	R	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"
all types	b	78	78	90	100	125	126	150
	b1	134	141	161	177	210	210	273
	h1	27	28	29	47	51	53	68
DRV 472		139	134	135	171	242	241	256
DRV 473	h	109	109	107	109	--	--	--
DRV 478		135	137	135	172	319	320	331

weight [kg]

DRV 472	0,9	1,0	1,5	2,1	4,6	5,2	7,5
DRV 473	0,7	0,9	1,4	1,9	--	--	--
DRV 478	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 472	047202	047203	047204	047205	047206	047207	047208
DRV 473	047302	047303	047304	047305	--	--	--
DRV 478	047802	047803	047804	047805	047806	047807	047808

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: 7 bar
 temperature: 30 °C

connection: 2"
 without additional finishes

art.no. standard version						-	C	C	M	E	F
0	4	7	8	0	7	-	0	0	0	2	0

Flow diagram

