



DRV 472 • DRV 473 • DRV 478



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"



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.

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

* DRV 473 with plastic bonnet up to 75°C

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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

Pressures

max. 40 bar



max. inlet pressure [bar]

	A	B
DRV 472	40	25
DRV 473	16	--
DRV 478	40	25

0,5 - 9 bar



outlet pressure [bar]

	A	B
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		109	109	107	109	--	--	--
DRV 478		135	137	135	172	319	320	331

weight [kg]

	A	B	C
DRV 472	0,9	1,0	1,5
DRV 473	0,7	0,9	1,4
DRV 478	0,9	1,0	1,5

kvs-value [m³/h]

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