



DRV 450
Type A (DN 15 - DN 32)



DRV 450
Type B (DN 40 - DN 65)



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.

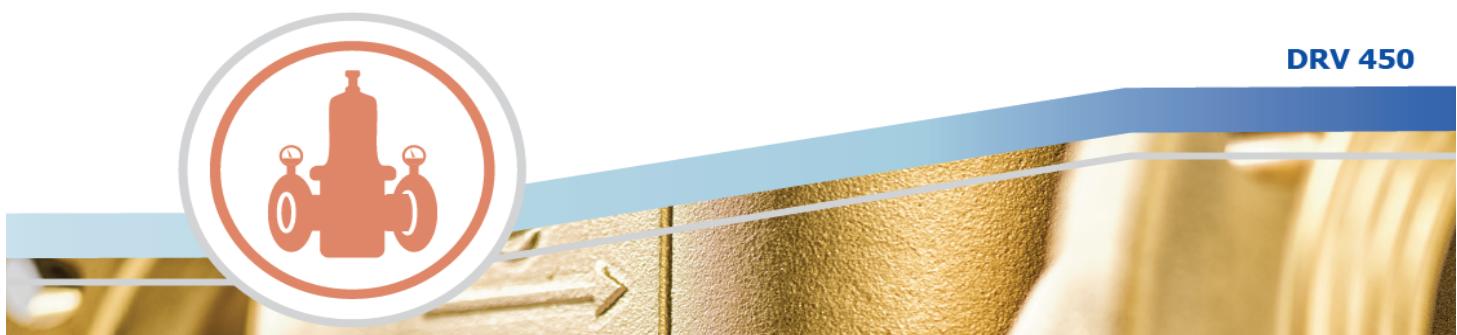
For the medium drinking water we refer to our special series DRV -6.

DGRL 2014/68/EU



Customs tariff number

84811005



DRV 450



Features

- pressure-relieved single seated valve
- diaphragm-controlled
- continuously adjustable outlet pressure
- max. inlet pressure up to 16 bar
- outlet pressure : 0,2 - 2 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



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

Pressures



max. 16 bar



0,2 - 2 bar

Connections



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

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 PA6 from DN 40 cast iron	NBR optionally EPDM, FPM**	up to DN 32 Hostaform C & brass from DN 40 brass	100 °C*

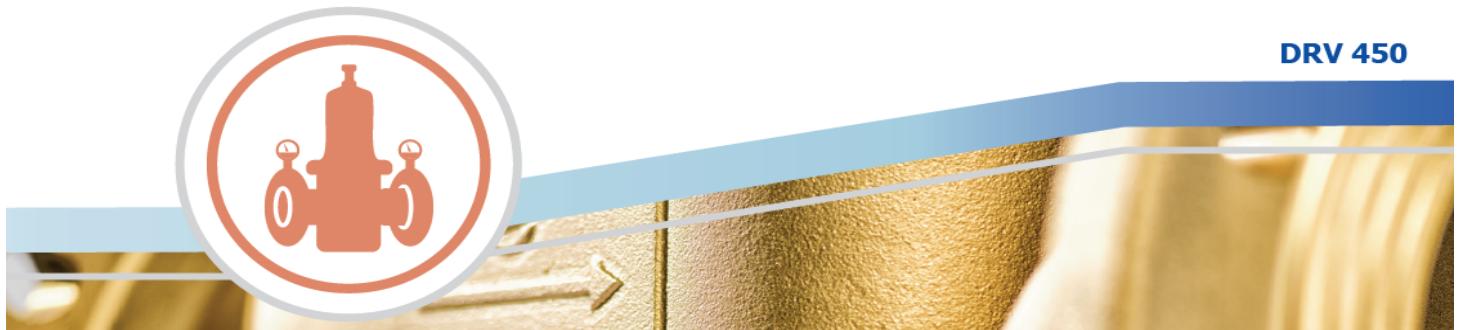
Sonderausführungen:



high temperature (-HT)**

red bronze CC499K	up to DN 32 brass	FPM	brass	190 °C
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* with plastic bonnet up to 75°C
** only DN 15 to DN 32



Technical data

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

Type

Pressures

max. 16 bar



max. inlet pressure [bar]

DRV 450

A

B

16

16

0,2- 2 bar



outlet pressure [bar]

DRV 450

0,2 - 2

0,2 - 2

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"
DRV 450	b	78	78	90	100	125	126	150
	b1	137	141	154	177	210	210	274
	h1	27	28	29	47	59	61	68
	h	127	129	126	109	311	312	323

weight [kg]

DRV 450	1,2	1,4	1,8	1,9	8,6	9,1	11,4
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kvs-value [m^3/h]

DRV 450	2,9	3,9	5,4	6,1	9	13	17
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