



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.

Pressure reducing valve Male thread • Low pressure Red bronze

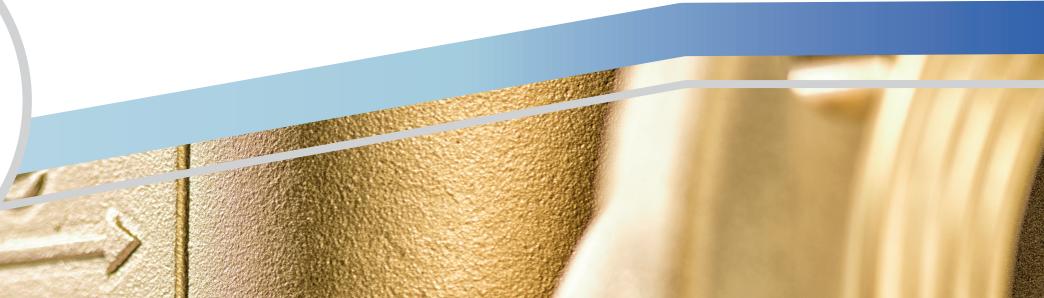
Pressure reducing valves of the series are diaphragm-controlled, spring-loaded pressure reducing valves and have an inlet pressure compensation.

DGRL 2014/68/EU



Customs tariff number

84811005



Features

- pressure-reliefed 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

Pressures



max. 16 bar



0,2 - 2 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
FKM**	-10 °C to +190 °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 FKM seals. Thus, a maximum temperature resistance of 190 °C is achieved with FKM 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, FKM**	up to DN 32 Hostaform C & brass from DN 40 brass	100 °C*

Sonderausführungen:

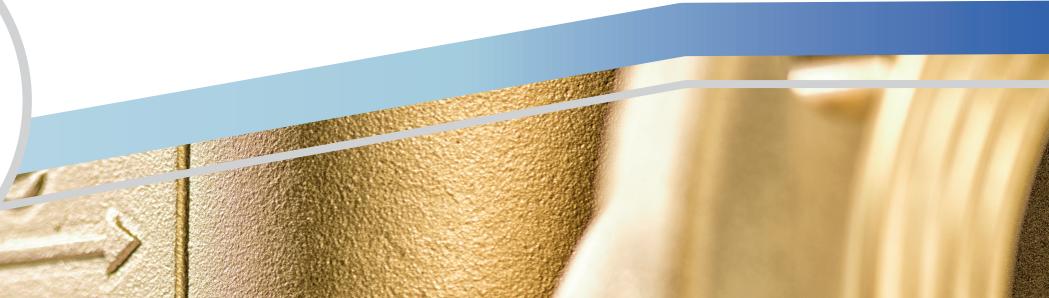


high temperature (-HT)**

red bronze CC499K	up to DN 32 brass	FKM	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 1/2"	20 3/4"	25 1"	32 1 1/4"	40 1 1/2"	50 2"	65 2 1/2"
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Type

A

B

Pressures

max. inlet pressure [bar]

max. 16 bar



DRV 450 16

16*

outlet pressure [bar]

0,2- 2 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

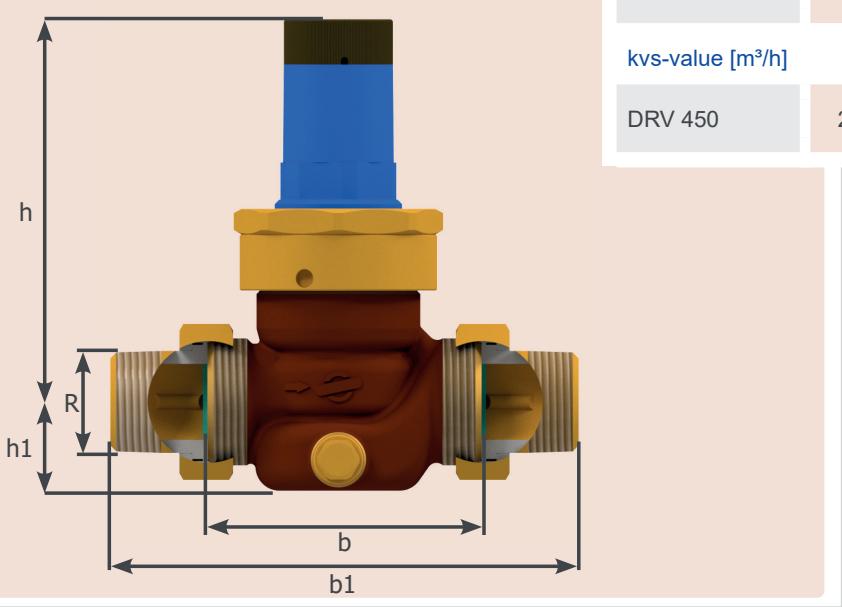
weight [kg]

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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*not in HT-version





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 450	045002	045003	045004	045005	045006	045007	045008
special version							
high temperature -HT	art.no. standard + -00130				--		

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	DN 15 to DN 32
5 - red bronze/ POM	DN 15 to DN 32

E - elastomers

0 - NBR	standard
2 - EPDM	
3 - FKM	only DN 15 to DN 32

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: 6 bar
seals: EPDM

outlet pressure: 1 bar
temperature: 30 °C

connection: 2"
without additional finishes

art.no. standard version							-	C	C	M	E	F
0	4	5	0	0	7	-	0	0	0	2	0	

Flow diagram

