



DRV 450  
Type A (DN 15 - DN 32)



DRV 450  
Type B (DN 40 - DN 65)



**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.

**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 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"

## 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
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.

	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	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. 16 bar



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16

16\*

outlet pressure [bar]

0,2- 2 bar



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

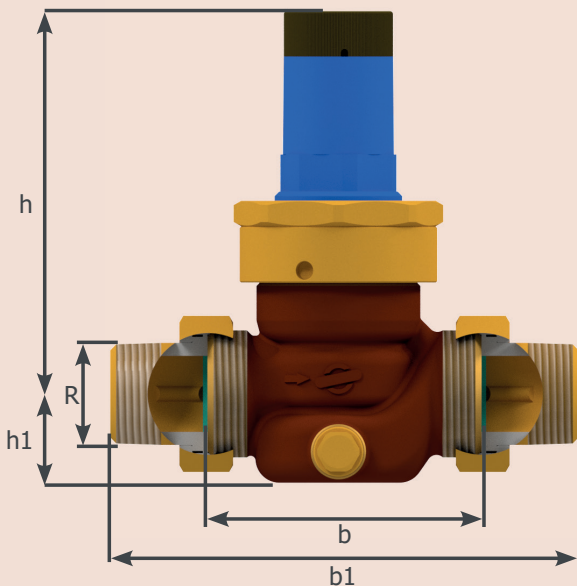
weight [kg]

DRV 450	1,2	1,4	1,8	1,9	8,6	9,1	11,4
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kvs-value [m³/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
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### special version

high temperature -HT	art.no. standard + -00130				--		
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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 - 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

