

PRESSURES

Inlet pressure	max. 16 bar
Outlet pressure	0,2 - 2 bar

CONNECTIONS

Male thread acc. ISO 7 (R 1/2" up to R 2 1/2")

SEALS AND TEMPERATURES

NBR	-15 °C up to +100 °C
EPDM	-30 °C up to +130 °C / with FDA conformity
FKM	-10 °C up to +190 °C

FEATURES

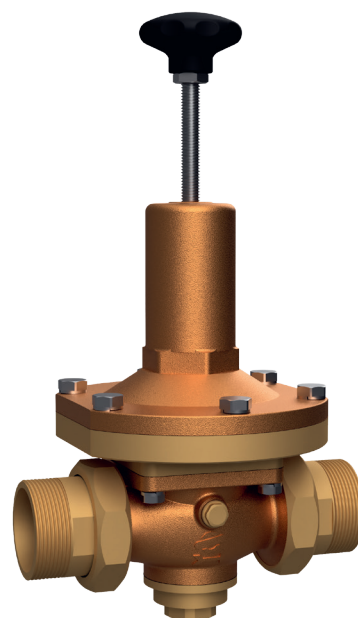
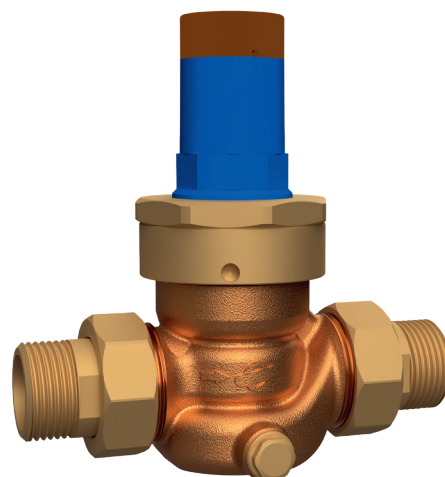
- pressure compensation
- diaphragm-controlled
- continuously adjustable outlet pressure
- with integrated strainer filter
- replaceable inner parts/cartridge principle
- double-sided G 1/4" manometer fitting (for outlet pressure)
- assembly position: any desired, preferably vertical
- minimum pressure difference (inlet - outlet pressure): 1 bar

MEDIA

- water / neutral, non-sticks liquids
- air and neutral gases (at higher flow rates)

CONFORMITY / CUSTOMS TARIFF NUMBER / CLASSIFICATION SOCIETIES

- DGRL 2014/68/EU
- Customs tariff number 848 110 05
- Certifiable by external classification societies e.g. DNV



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

max. inlet pressure [bar]

DRV 450	16	16
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outlet pressure [bar]

DRV 450	0,2 - 2	0,2 - 2
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dimensions [mm]

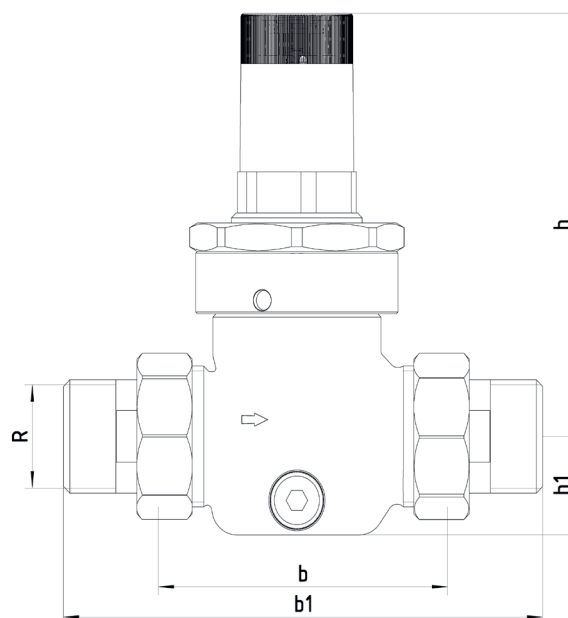
	R	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"
	b	78	78	90	100	125	126	150
DRV 450	b1	137	141	154	177	210	210	274
	h1	27	28	29	47	59	61	68
	h	127	129	126	109	311	312	323

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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Article numbers and options

Article numbers

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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Options overview

C C - Connections			E - elastomers		
00 -	ISO 7	Standard	0 -	NBR	standard
			2 -	EPDM	
			3 -	FKM	only DN 15 to DN 32
M - Material of wetted inner parts			F - finishes (upon request)		
0 -	brass / POM	standard up to DN 32	0 -	without additional finishes	
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			

Configuration example of an article number with additional options

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

inlet pressure: 6 bar
seals: EPDM

outlet pressure: 1 bar
temperature: 30 °C

connection: 2"
without additional finishes

Manometer

diameter	connection	body	pressure range	max. temp.	art.no.
50 mm	G 1/4", cenrtal back	steel	0 - 10 bar	60 °C	009002
63 mm	G 1/4", central back	stainless steel	0 - 10 bar	200 °C	009014

Materials

	body	spring bonnet	seals	wetted inner parts	max. temperature
Standard	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
hight temperature -HT	red bronze CC499K	up to DN 32 brass	FKM	brass	190 °C

Flow diagram

