



DRV 703 • DRV 773
(DN 15 - DN 32)



Pressure reducing valve
Female thread • Standard pressure
Stainless steel

Pressure reducing valves of the series are diaphragm-controlled, spring-loaded pressure reducing valves. These valves are inlet pressure relieved.

Media

The pressure reducers are suitable for use with aggressive waters and other aggressive liquids, but can also be used for air and neutral gases when larger flow rates are required.

The seals are suitable for drinking water and have ELL and W270 approval.

DGRL 2014/68/EU



Classification societies

- DNV GL
- LR
- BV
- ABS
- CCS

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: 0,5 - 6 bar
- female thread acc. ISO 228, optionally with NPT-thread
- 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
- EPDM seals with ELL and W270 approval

Pressures



max. 16 bar



0,5 - 6 bar

Connections



Female thread
acc. ISO 228
from G 1/2" up to G 1 1/4"

Materials

	body	spring bonnet	seals	wetted inner parts	max. temperature
standard version	stainless steel 1.4408	plastics	EPDM	plastics/ stainless steel 1.4404	75 °C



Temperatures

Seals and wetted inner parts allow a maximum temperature of up to 75 °C.



from -30 °C up to +75 °C

Seals and temperatures

EPDM -30 °C bis +75 °C



Technical data

nominal size	15	20	25	32
G	1/2"	3/4"	1"	1 1/4"

Pressures

max. 16 bar



max. inlet pressure [bar]

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16

outlet pressure [bar]

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1,5 - 6

0,5 - 4

0,5 - 6 bar



Connections

Female thread
from G 1/2" to G 1 1/4"



dimensions [mm]

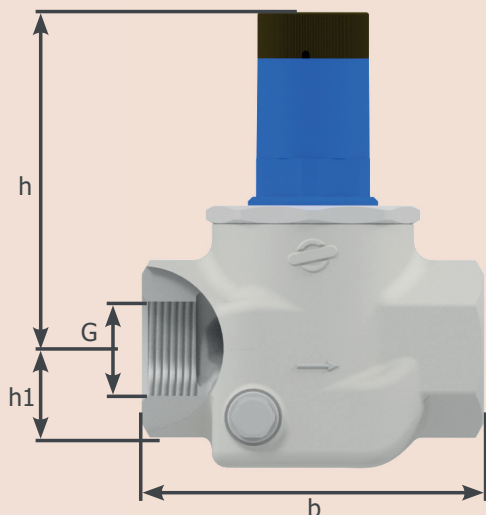
all types	G	1/2"	3/4"	1"	1 1/4"
	b	95	95	110	120
	h1	29	29	39	39
	h	109	109	109	109

weight [kg]

all types	1,0	0,9	1,7	1,6
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kvs-value [m³/h]

all types	2,9	3,9	5,4	6,1
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Article number

nominal size	15	20	25	32
G	1/2"	3/4"	1"	1 1/4"

standard version

DRV 703	070302	070303	070304	070305
DRV 773	077302	077303	077304	077305

Standard article numbers are 6 digits, article numbers for additional options are 11 digits.
(See option overview and configuration example)

Options

CC - connections

00 -	ISO 228	standard
30 -	NPT - ASME B1.20.1	

M - material of wetted inner parts

0 -	plastic/stainless steel 1.4404
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E - elastomers

0 -	EPDM	with ELL & W270 approval
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F - finishes

0 -	without additional finishes
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Configuration example of an article number with additional options

inlet pressure: 10 bar
seals: EPDM

outlet pressure: 4 bar
temperature: 30 °C

connection: 1" NPT
without additional finishes

art.no. standard version						-	C	C	M	E	F
0	7	0	3	0	4	-	3	0	0	0	0

Manometer

diameter	connection	body	pressure range	max. temp.	art.no.*
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	130 °C	009014

*article numbers are 11 digits, see option overview and configuration example



Flow diagram

