



DRV 703
(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.

DGRL 2014/68/EU



Classification societies

- DNV GL
- LR
- BV
- ABS
- CCS

Customs tariff number

84811005

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.

FDA / EC 1935/2004

Our stainless steel series with EPDM seals correspond to the requirements of the EU Regulation EC 1935/2004 and the Regulations of the FDA (Food and Drug Administration).

The metallic components in contact with the medium are made of austenitic materials such as 1.4408 and 1.4404.

The EPDM seals are conform FDA (21 CFR part 177.2600) and EC 1935/2004. This means you can use our stainless steel series with EPDM seals in food applications without hesitation.



Features

- pressure-relieved single seated valve
- diaphragm-controlled
- continuously adjustable outlet pressure
- max. inlet pressure up to 16 bar
- outlet pressure : 1,5 - 6 bar
- female thread acc. ISO 228, optionally with NPT-Gewinde
- 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 FDA conformity, ELL and W270 approval

Pressures



max. 16 bar



1,5 - 6 bar

Connections



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

Materials

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



Temperatures

Seals and wetted internal 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

* with FDA conformity, ELL & W270 approval



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]

DRV 703

16

outlet pressure [bar]

1,5 - 6 bar



DRV 703

1,5 - 6

Connections

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



dimensions [mm]

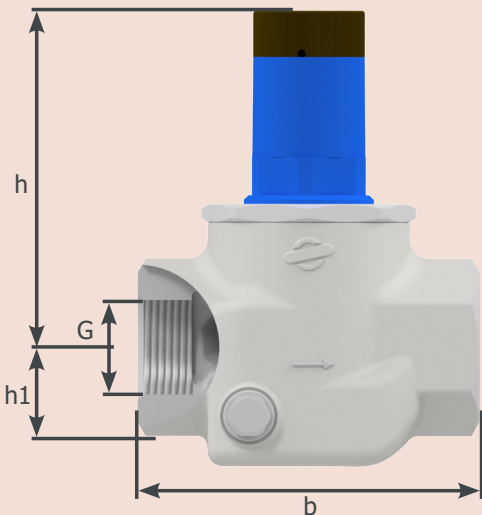
	G	1/2"	3/4"	1"	1 1/4"
DRV 703	b	95	95	110	120
	h1	29	29	39	39
	h	109	109	109	109

weight [kg]

DRV 703	1,0	0,9	1,7	1,6
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kvs-value [m³/h]

DRV 703	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 750	070302	070303	070304	070305

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 228	standard
30 -	NPT - ASME B1.20.1	

M - material wetted parts

0 -	stainless steel 1.4404	standard
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E - elastomers

0 -	EPDM	with FDA conformity, 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

Flow diagram

