



DRV 703 • DRV 773
(DN 15 - DN 32)



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.

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
- ABS
- LR
- CCS
- BV

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: 0,5 - 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



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

DRV 773

0,5 - 6 bar



outlet pressure [bar]

DRV 703

1,5 - 6

DRV 773

0,5 - 4

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

kvs-value [m³/h]

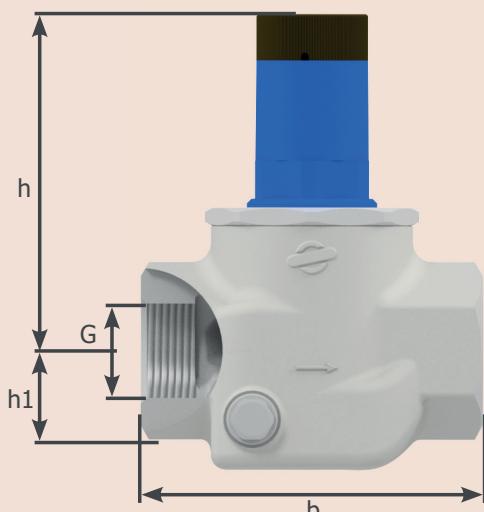
all types

2,9

3,9

5,4

6,1





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	E - elastomers
00 - ISO 228 30 - NPT - ASME B1.20.1	standard 0 - EPDM with ELL & W270 approval
M - material of wetted inner parts	F - finishes
0 - plastic/stainless steel 1.4404	0 - without additional finishes

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

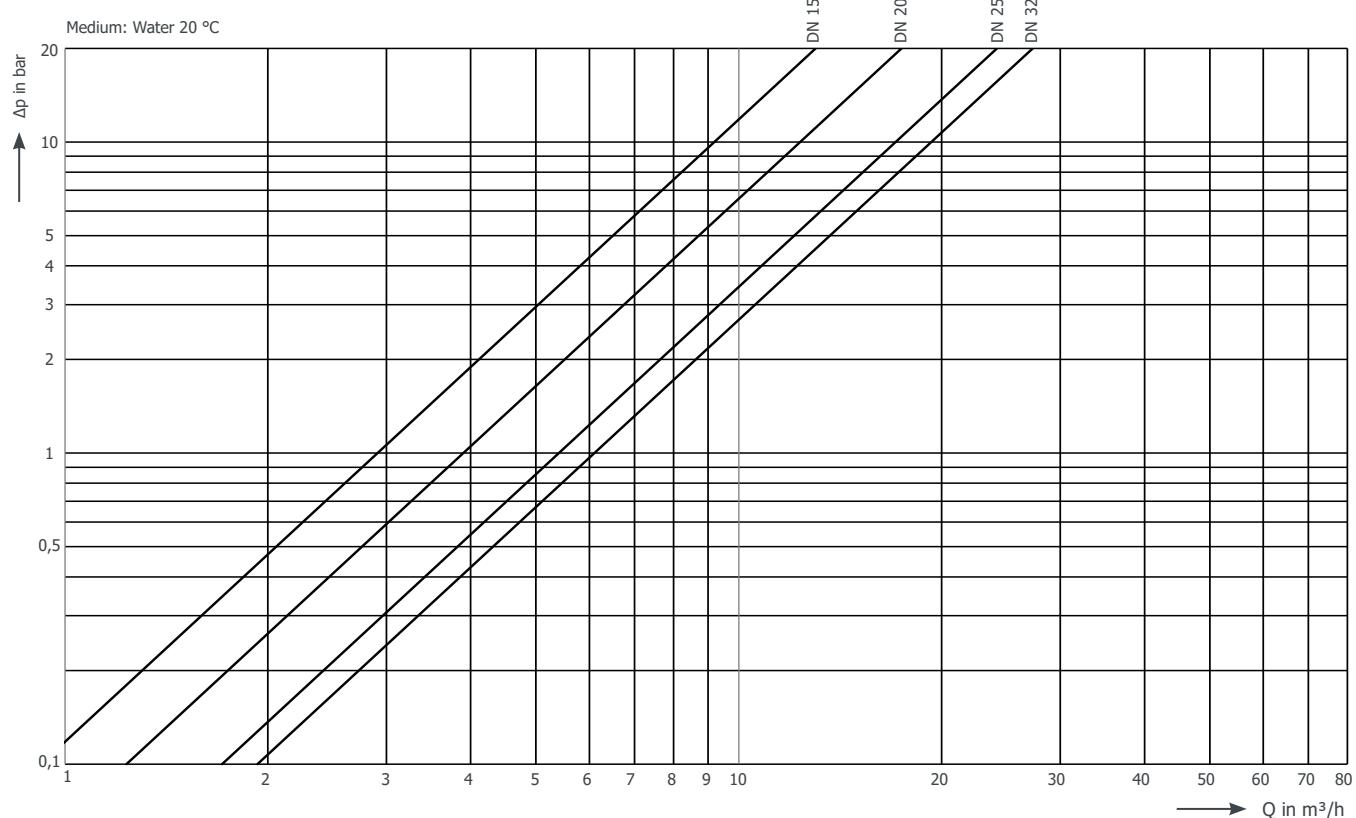
Manometer

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





DRV 703-R
(DN 15 - DN 32)



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.

Pressure reducing valve Male 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
- ABS
- LR
- CCS
- BV

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: 1,5 - 6 bar
- male thread acc. ISO 7
- 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



1,5 - 6 bar

Connections



Male thread
acc. ISO 7
from R 1/2" up to R 1 1/4"

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

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



Technical data

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

Pressures

max. 16 bar



max. inlet pressure [bar]

DRV 703-R

16

1,5 - 6 bar



outlet pressure [bar]

DRV 703-R

1,5 - 6

Connections

Male thread
from R 1/2" to R 1 1/4"



dimensions [mm]

DRV
703-R

R	1/2"	3/4"	1"	1 1/4"
b	105	105	122	122
b1	168	168	195	195
h1	29	29	39	39
h	109	109	109	109

weight [kg]

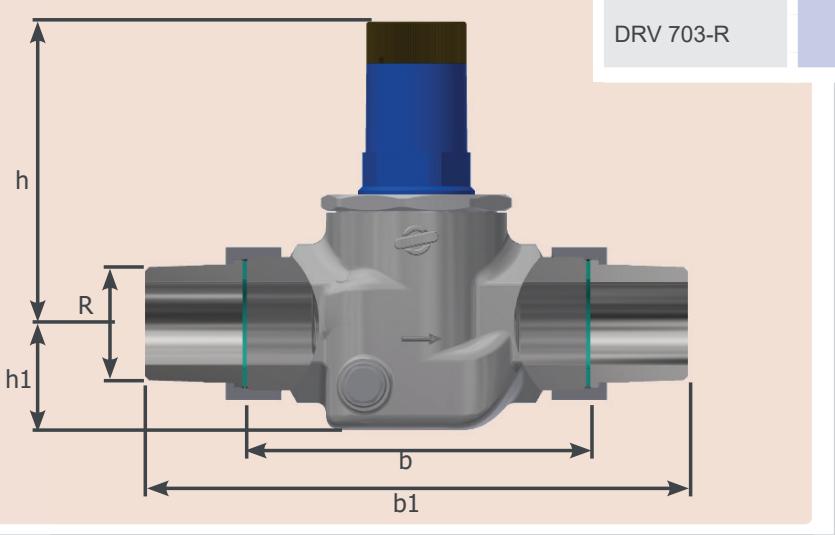
DRV 703-R

1,2 1,2 2,4 2,5

kvs-value [m³/h]

DRV 703-R

2,9 3,9 5,4 6,1





Article number

nominal size	15	20	25	32
R	1/2"	3/4"	1"	1 1/4"
standard version				
DRV 703-R	070302-R0870	070303-R0870	070304-R0870	070305-R0870

Article numbers are 11 digits. (See options overview and configuration example)

Options

CC - connections	E - elastomers
R0 - ISO 7	7 - EPDM with ELL & W270 approval
M - material of wetted inner parts	F - finishes
8 - plastics/stainless steel 1.4404	0 - without additional finishes

Configuration example of an article number with additional options

inlet pressure: 10 bar
seals: EPDM

outlet pressure: 4 bar
temperature: 30 °C

connection: 1" ISO 7
without additional finishes

art.no. standard version	-	C	C	M	E	F
0 7 0 3 0 4	-	R	0	8	7	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

