berluto
Quality under pressure

Datasheet DRV 703 / 773

Pressure reducing valve with female thread • Standard pressure • Stainless steel

PRESSURES

Inlet pressure	max. 16 bar
Outlet pressure	0,5 - 6 bar

CONNECTIONS

Female thread acc. ISO 228 (G 1/2" up to G 1 1/4")
Optionallly with NPT-thread

SEALS AND TEMPERATURES

EPDM -30 °C up to +75 °C



FEATURES

---- pressure compensation
---- diaphragm-controlled
---- continuously adjustable outlet pressure
---- with integrated strainer filter
---- replaceable inner parts/cartridge principle
---- double-sided G ¼" manometer fitting
(for outlet pressure)
---- assembly position: any desired, preferably vertical
---- min. pressure difference (inlet / outlet pressure): 1 bar

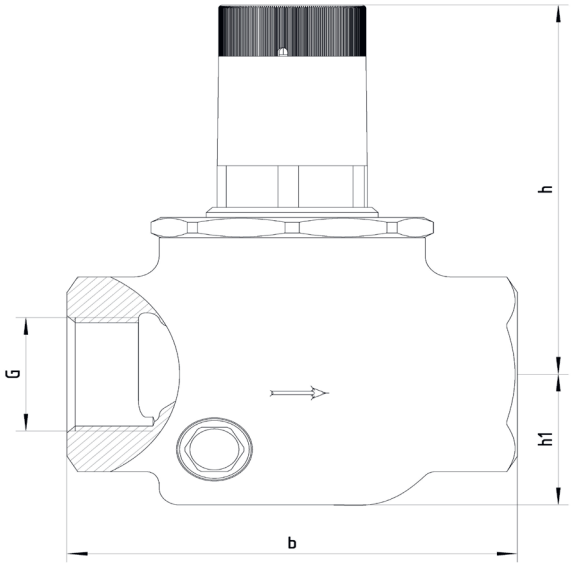
MEDIA

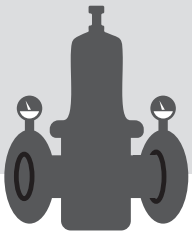
---- aggressive water / other aggressive liquids
---- air and neutral gases (at higher flow rates)

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
G		1/2″	3/4″	1″	1 1/4″
Type		A			
max. inlet pressure [bar]					
DRV 703 DRV 773		16			
outlet pressure [bar]					
DRV 703		1,5 - 6			
DRV 773		0,5 - 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 numbers and options

Article numbers

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

Options overview

CC - connections

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

M - material of wetted inner parts

0 -	plastic / stainless steel 1.4404

E - elastomers

0 -	EPDM	with ELL & W270 approval

F - finishes

0 -	without additional finishes

Configuration example of an article number with additional options

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

inlet pressure: 10 bar
seals: EPDM

outlet pressure: 4 bar
temperature: 30 °C

connection: 1" NPT
without additional finishes

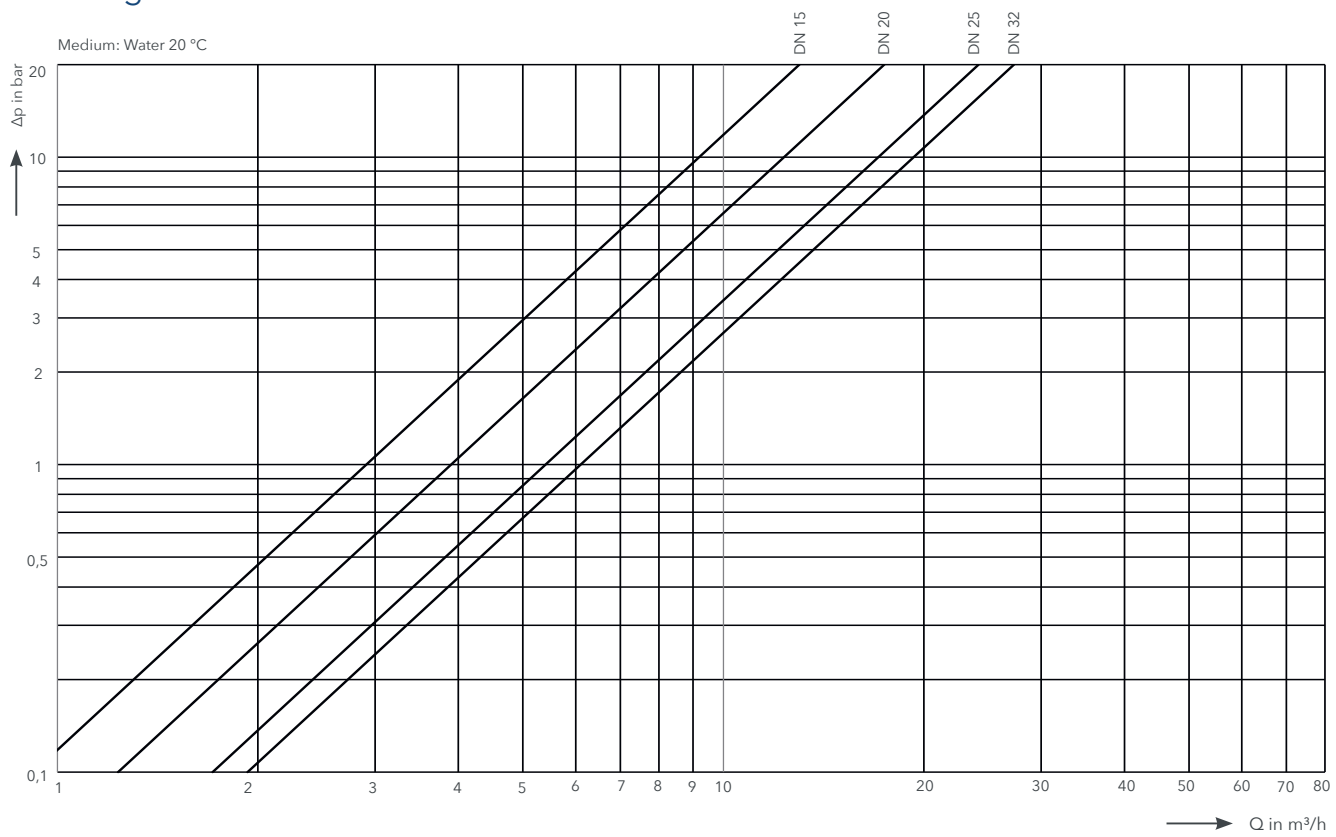
Manometer

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

Materials

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

Flow diagram



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Quality under pressure

Datasheet DRV 703-R / 773-R

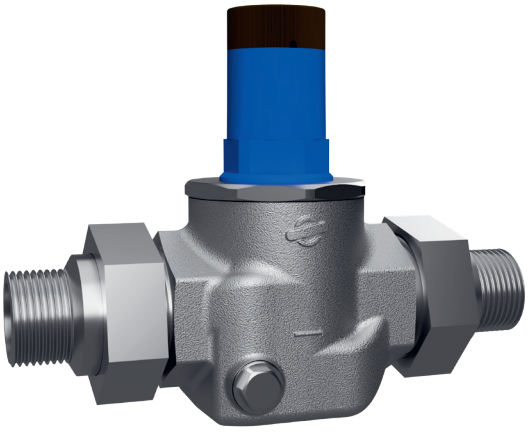
Pressure reducing valve with male thread • Standard pressure • Stainless steel

PRESSURES

Inlet pressure	max. 16 bar
Outlet pressure	0,5 - 6 bar

CONNECTIONS

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



SEALS AND TEMPERATURES

EPDM -30 °C bis +75 °C
With ELL and W270 approval

FEATURES

---- pressure compensation
---- diaphragm-controlled
---- continuously adjustable outlet pressure
---- with integrated strainer filter
---- replaceable inner parts/cartridge principle
---- double-sided G ¼" manometer fitting
(for outlet pressure)
---- assembly position: any desired, preferably vertical
---- min. pressure difference (inlet / outlet pressure): 1 bar

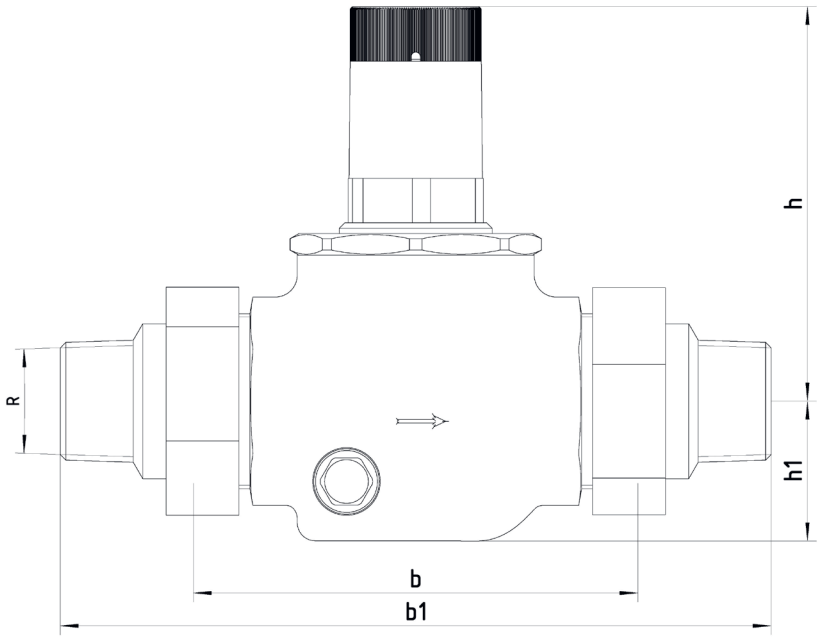
MEDIA

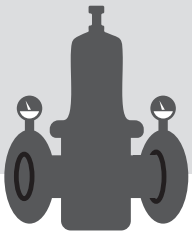
---- aggressive water / other aggressive liquids
---- air and neutral gases (at higher flow rates)

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
G		1/2″	3/4″	1″	1 1/4″
Type		A			
max. inlet pressure [bar]					
DRV 703-R DRV 773-R		16			
outlet pressure [bar]					
DRV 703-R		1,5 - 6			
DRV 773-R		0,5 - 4			
dimensions [mm]					
all types	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]					
all types		1,2	1,2	2,4	2,5
kvs-value [m³/h]					
all types		2,9	3,9	5,4	6,1





Article numbers

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

Standard version

DRV 703-R	070302-R0870	070303-R0870	070304-R0870	070305-R0870
DRV 773-R	077302-R0870	077303-R0870	077304-R0870	077305-R0870

Options overview

CC - connections

R0 -	ISO 7

M - material of wetted inner parts

8 -	plastics / stainless steel 1.4404

E - elastomers

7 -	EPDM	with ELL and W270 approval

F - finishes

0 -	without additional finishes

Configuration example of an article number with additional options

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

inlet pressure: 10 bar
seals: EPDM

outlet pressure: 4 bar
temperature: 30 °C

connection: 1" ISO 7
without additional finishes

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

Materials

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

Flow diagram

