berluto
Quality under pressure

Datasheet DRV 750

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

PRESSURES

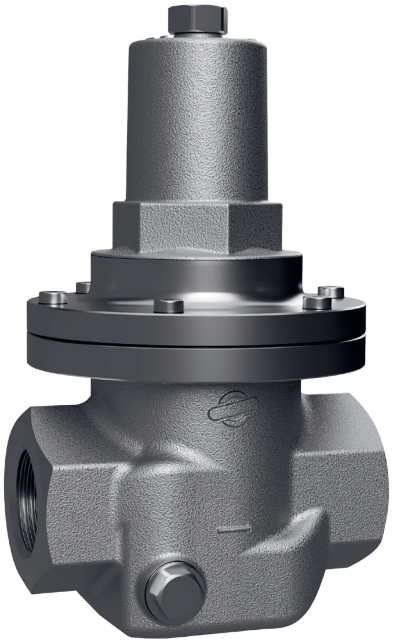
Inlet pressure	max. 25 bar
Outlet pressure	0,2 - 2 bar

CONNECTIONS

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

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 ¼" manometer fitting
(for outlet pressure)
---- assembly position: any desired, preferably vertical
---- min. pressure difference (inlet / outlet pressure): 1 bar



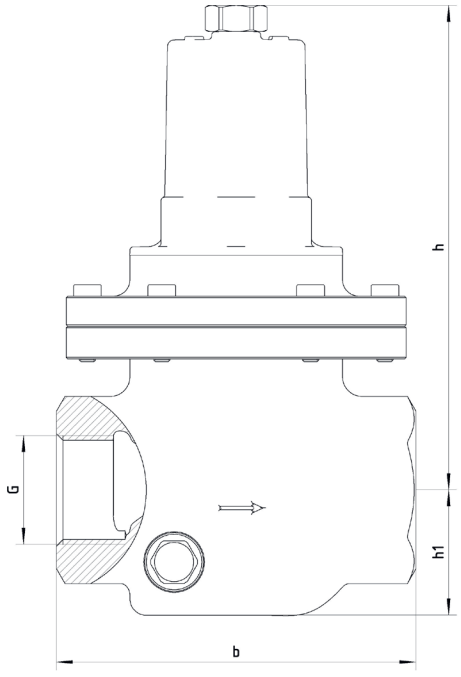
MEDIA

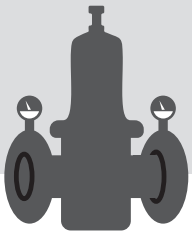
---- aggressive water / other aggressive liquids
---- air and neutral gases (at higher flow rates)

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	40	50
G		1/2″	3/4″	1″	1 1/4″	1 1/2″	2″
Type			A			B	
max. inlet pressure [bar]							
DRV 750			25			25	
outlet pressure [bar]							
DRV 750			0,2 - 2			0,2 - 2	
dimensions [mm]							
DRV 750	G		1/2″	3/4″	1″	1 1/4″	1 1/2″	2″
	b		95	95	110	120	150	160
	h1		29	29	38	38	38	38
	h		136	136	148	148	271	271
weight [kg]								
DRV 750			1,8	1,7	3,1	3,1	9,1	9,0
kvs-value [m³/h]								
DRV 750			2,9	3,9	5,4	6,1	9	13





Article numbers and options

Article numbers

Nominal size	15	20	25	32	40	50
G	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"

Standard version

DRV 750	075002	075003	075004	075005	075006	075007

Options overview

CC - connections

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

M - material of wetted inner parts

0 -	stainless steel 1.4404
9 -	stainless steel 1.4404 (including internal parts of the spring bonnet)

E - elastomers

0 -	FKM	standard
1 -	NBR	only DN 15 to DN 32
8 -	EPDM	with FDA conformity

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	5	0	0	7	-	3	0	0	8	0

inlet pressure: 6 bar
seals: EPDM

outlet pressure: 0,5 bar
temperature: 30 °C

connection: 2" NPT
without additional finishes

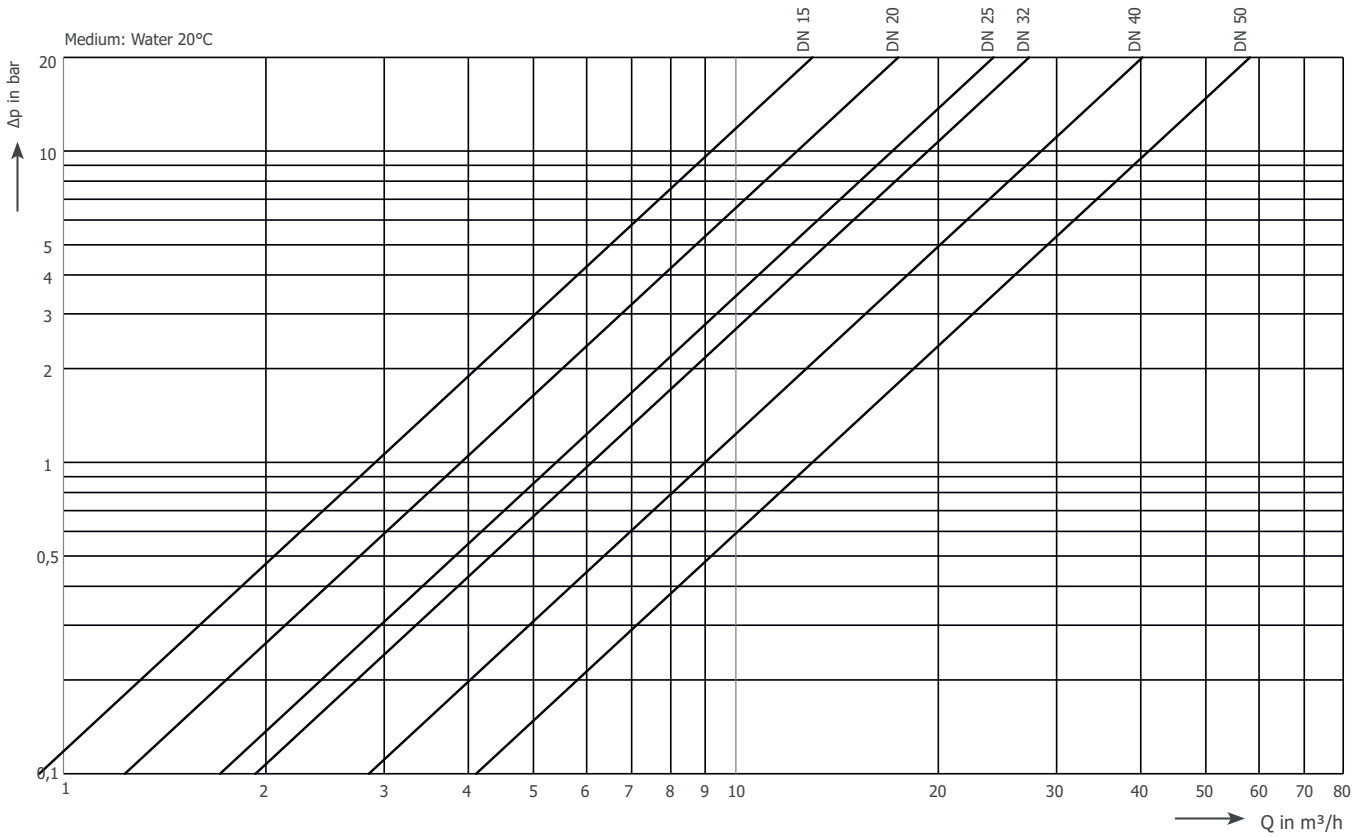
Manometer

diameter	connection	body	pressure range	max. temp.	art.no.
63 mm	G 1/4", central back	stainless steel	0 - 10 bar	190 °C	009014

Materials

	body	spring bonnet	seals	wetted inner parts	max. temperature
standard	stainless steel 1.4408	stainless steel 1.4408	EPDM, FKM, NBR	stainless steel 1.4404	190 °C

Flow diagram



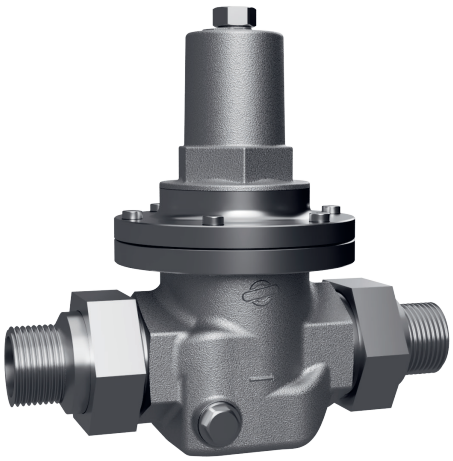
berluto
Quality under pressure

Datasheet DRV 750-R

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

PRESSURES

Inlet pressure	max. 25 bar
Outlet pressure	0,2 - 2 bar



CONNECTIONS

Male thread acc. ISO 7 (R 1/2" up to R 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 ¼" manometer fitting (for outlet pressure)
---- assembly position: any desired, preferably vertical
---- min. pressure difference (inlet / outlet pressure): 1 bar



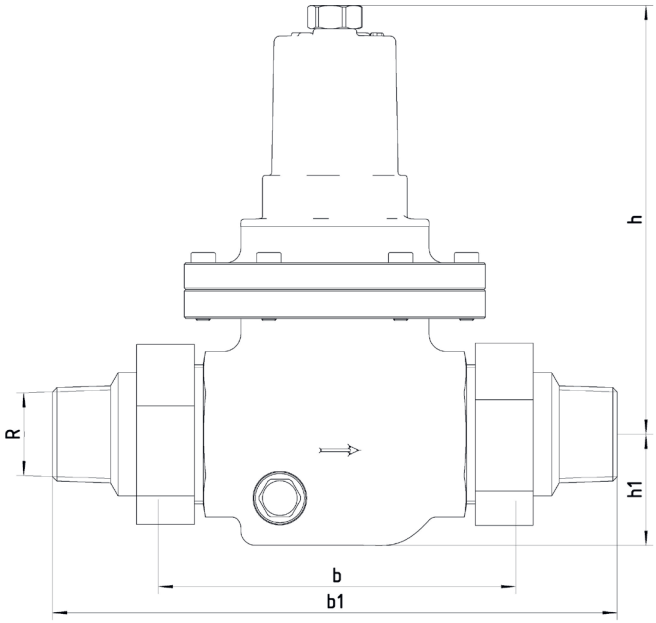
MEDIA

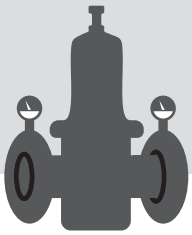
---- aggressive water / other aggressive liquids
---- air and neutral gases (at higher flow rates)

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	40	50
G		1/2″	3/4″	1″	1 1/4″	1 1/2″	2″
Type		A				B	
max. inlet pressure [bar]							
DRV 750-R		25				25	
outlet pressure [bar]							
DRV 750-R		0,2 - 2				0,2 - 2	
dimensions [mm]							
	G	1/2″	3/4″	1″	1 1/4″	1 1/2″	2″
	b	105	105	122	122	160	160
DRV 750-R	b1	168	168	195	195	250	250
	h1	29	29	38	38	39	39
	h	136	136	148	148	271	271
weight [kg]							
DRV 750-R		2,0	2,0	3,8	3,9	10,3	10,2
kvs-value [m³/h]							
DRV 750-R		2,9	3,9	5,4	6,1	9	13





Article numbers and options

Article numbers

Nominal size	15	20	25	32	40	50
G	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"

Standard version

DRV 702	075002-R0XXX	075003-R0XXX	075004-R0XXX	075005-R0XXX	075006-R0XXX	075007-R0XXX

Options overview

CC - connections

R0 -	ISO 7

M - material of wetted inner parts

0 -	stainless steel 1.4404
9 -	stainless steel 1.4404 (including internal parts of the spring bonnet)

E - elastomers

3 -	FKM	standard
1 -	NBR	only DN 15 to DN 32
8 -	EPDM	with FDA conformity

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	5	0	0	7	-	R	0	0	8	0

inlet pressure: 2 bar
seals: EPDM

outlet pressure: 0,5 bar
temperature: 30 °C

connection: 2" ISO 7
without additional finishes

Manometer

diameter	connection	body	pressure range	max. temp.	art.no.
63 mm	G 1/4", central back	stainless steel	0 - 10 bar	190 °C	009014

Materials

	body	spring bonnet	seals	wetted inner parts	max. temperature
standard	stainless steel 1.4408	stainless steel 1.4408	EPDM, FKM, NBR	stainless steel 1.4404	190 °C

Flow diagram

