berluto
Quality under pressure

Datasheet DRV 772 / 778

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

PRESSURES

Inlet pressure	max. 40 bar
Outlet pressure	0,5 - 9 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



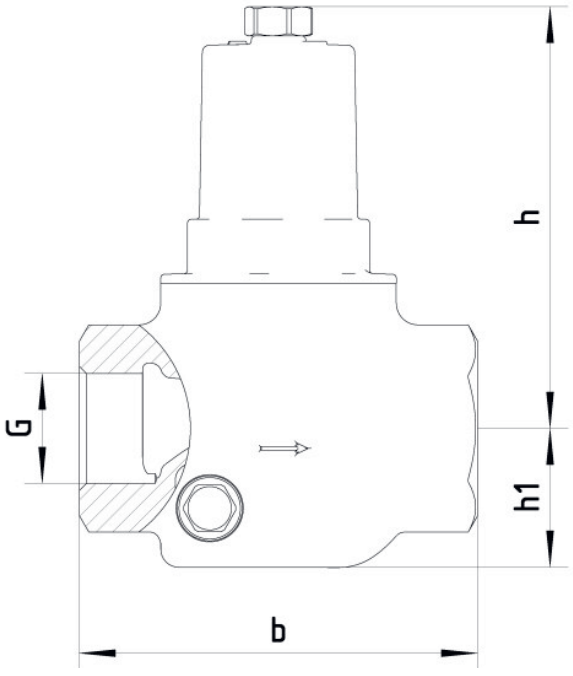
MEDIA

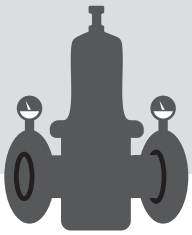
---- aggressive water / other aggressive liquids
---- air and neutral gases (at higher flow rates)

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 772			40				40
DRV 778			40				40
outlet pressure [bar]							
DRV 772			0,5 - 4				0,5 - 4
DRV 778			0,5 - 9				0,5 - 9
dimensions [mm]							
all types	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	116	116	116	116	219	219
weight [kg]							
DRV 772		1,4	1,3	2,1	2,0	5,3	5,1
DRV 778		1,4	1,3	2,1	2,0	5,4	5,3
kvs-value [m³/h]							
all types		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 772	077202	077203	077204	077205	077206	077207
DRV 778	077802	077803	077804	077805	077806	077807

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	
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	7	8	0	7	-	3	0	0	8	0

inlet pressure: 10 bar
seals: EPDM

outlet pressure: 7 bar
temperature: 30 °C

connection: 2" NPT
without additional finishes

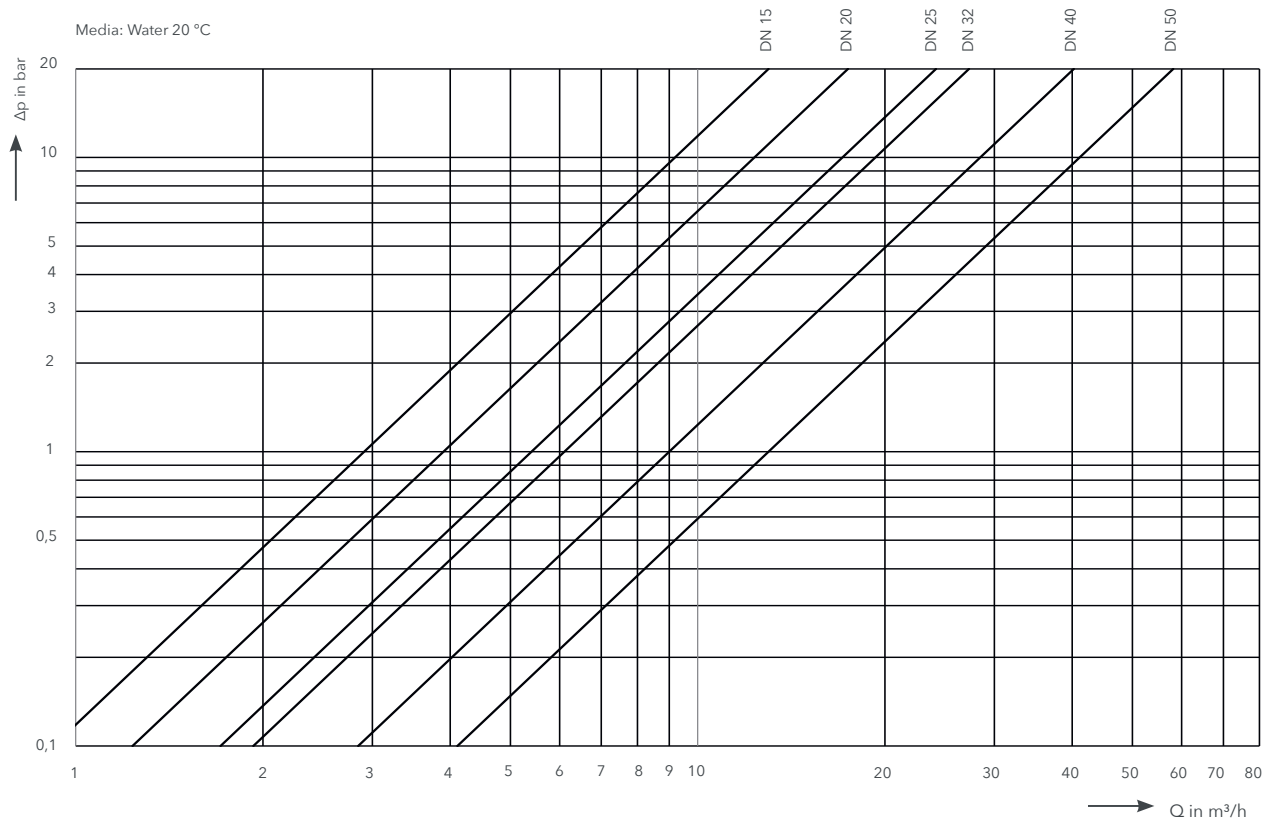
Manometer

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	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



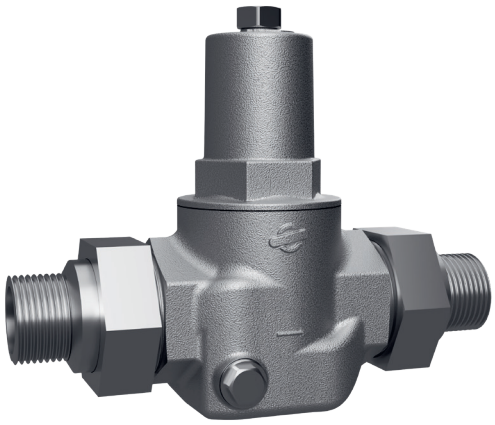
berluto
Quality under pressure

Datasheet DRV 772-R / 778-R

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

PRESSURES

Inlet pressure	max. 40 bar
Outlet pressure	0,5 - 9 bar



CONNECTIONS

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



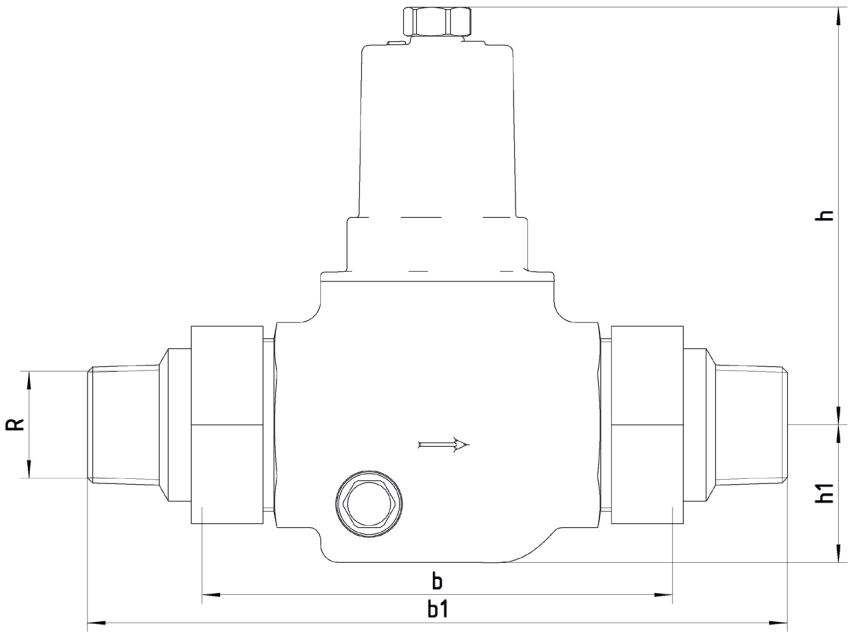
MEDIA

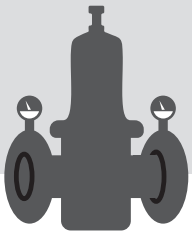
---- aggressive water / other aggressive liquids
---- air and neutral gases (at higher flow rates)

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 772-R			40				40
DRV 778-R			40				40
outlet pressure [bar]							
DRV 772-R			0,5 - 4				0,5 - 4
DRV 778-R			0,5 - 9				0,5 - 9
dimensions [mm]							
	G		1/2″	3/4″	1″	1 1/4″	1 1/2″	2″
	b		105	105	122	122	156	160
all types	b1		168	168	195	195	250	250
	h1		29	29	38	38	39	39
	h		116	116	116	116	219	219
weight [kg]							
DRV 772-R			1,6	1,7	2,8	2,8	6,5	6,4
DRV 778-R			1,6	1,6	2,8	2,9	6,6	6,6
kvs-value [m³/h]							
all types			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 772-R	077202-R0XXX	077203-R0XXX	077204-R0XXX	077205-R0XXX	077206-R0XXX	077207-R0XXX
DRV 778-R	077802-R0XXX	077803-R0XXX	077804-R0XXX	077805-R0XXX	077806-R0XXX	077807-R0XXX

Options overview

CC - connections

R0 -	ISO 7	standard

M - material of wetted inner parts

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

E - elastomers

3 -	FKM	standard
1 -	NBR	
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	7	8	0	7	-	R	0	3	8	0

inlet pressure: 10 bar
seals: EPDM

outlet pressure: 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

