



DRV 372 • DRV 378
Type A (DN 15 - DN 32)



DRV 373
Type A (DN 15 - DN 32)



DRV 372 • DRV 378
Type B (DN 40 - DN 50)



Media

The pressure reducers are suitable for use with water and neutral, non-adhesive liquids, but can also be used for air and neutral gases when larger flow rates are required.

For the media drinking water or sea water we refer to our special series DRV -6 or DRV -SW.



Special version seawater(-SW)

In this special version for seawater, all materials in contact with the media are seawater resistant. Smaller nominal diameters up to DN 32 are equipped with a removable cartridge made of POM and red-bronze. For nominal sizes DN 40 and larger, the internal parts are made completely of red-bronze.

**Pressure reducing valve
Female thread • Wide range
Red bronze**

Pressure reducing valves of the series are diaphragm-controlled, spring-loaded pressure reducing valves and have an inlet pressure compensation.

DGRL 2014/68/EU **CE**

Classification societies

- DNV GL
- LR
- BV
- ABS
- CCS

Customs tariff number

84811005



Features

- pressure-relieved single seated valve
- diaphragm-controlled
- continuously adjustable outlet pressure
- max. inlet pressure up to 40 bar
- outlet pressure : 0,5 - 9 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

Pressures



max. 40 bar





0,5 - 9 bar

Connections



Female thread
acc. ISO 228
from G 1/4" to G 2"

Materials

	body	spring bonnet	diaphragm & seals	wetted parts	max. temperature
standard version	red bronze CC499K	up to DN 32 brass* from DN 40 cast iron	NBR optionally EPDM, FPM	up to DN 32 Hostaform C & brass from DN 40 brass	100 °C*
special versions:					
 high temperature (-HT)*	red bronze CC499K	up to DN 32 brass from DN 40 cast iron	FPM	brass	190 °C
 seawater (-SW)	red bronze CC499K	up to DN 32 brass from DN 40 cast iron	NBR	up to DN 32 Hostaform C & red bronze from DN 40 red bronze	100 °C

* DRV 303 with plastic bonnet, only up to 75°C



Temperatures

Various options for the seals and wetted parts allow a maximum temperature of up to 190°C.



from -30 °C up to +190 °C

Seals and temperatures

NBR* -15°C to +100°C
EPDM* -30°C to +130°C
FPM* -10°C to +190°C

* DRV 373 up to 75°C

Special version for high temperature(-HT)

Often the temperature resistance of standard pressure reducers is not sufficient for your application. For such applications, various variants of the -HT series are available. This high temperature series is equipped with FPM seals. Thus, a maximum temperature resistance of 190°C is achieved with FPM seals in combination with metallic internal parts.

Please note that these pressure reducers are not suitable for use with steam.



Technical data

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

Type

A

B

Pressures

max. inlet pressure [bar]

max. 40 bar



DRV 372	40	25
DRV 373	16	--
DRV 378	40	25

outlet pressure [bar]

0,5 - 9 bar



DRV 372	0,5 - 4	0,5 - 4
DRV 373	0,5 - 4	--
DRV 378	0,5 - 9	0,5 - 9

Connections

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



dimensions [mm]

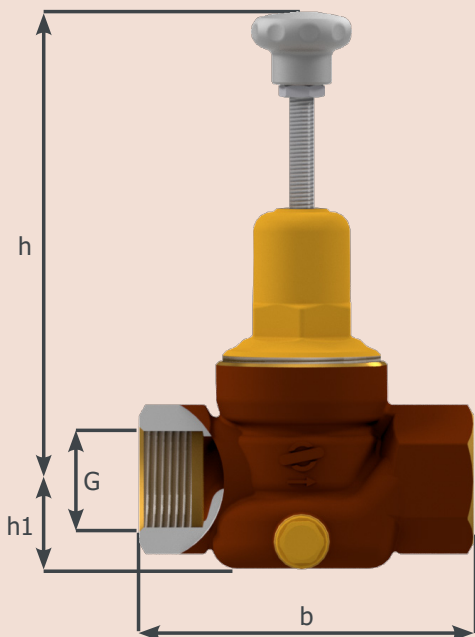
	G	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
all types	b	85	95	105	120	150	160
	h1	27	27	29	47	60	60
	DRV 372	141	142	141	140	241	243
DRV 373	h	109	110	109	108	--	--
DRV 378		136	137	136	135	320	320

weight [kg]

DRV 372	0,8	0,8	1,2	1,5	4,6	5,0
DRV 373	0,6	0,7	1,1	1,4	--	--
DRV 378	0,8	0,8	1,2	1,5	5,1	5,6

kvs-value [m³/h]

alle Typen	2,9	3,9	5,4	6,1	9	13
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Article number

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

standard version

DRV 372	037202	037203	037204	037205	037206	037207
DRV 373	037302	037303	037304	037305	--	--
DRV 378	037802	037803	037804	037805	037806	037807

special version

high temperature -HT	art.no. Standard + -00130			art.no. Standard + -00030		
sea water -SW	art.no. Standard + -00500			art.no. Standard + -00200		

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 -	brass / POM	standard up to DN 32
0 -	brass	standard from DN 40
1 -	brass	DN 15 to DN 32
2 -	red bronze	
5 -	red bronze / POM	DN 15 to DN 32

E - elastomers

0 -	NBR	Standard
2 -	EPDM	
3 -	FPM	

F - finishes

0 -	without additional finishes
1 -	inside + outside nickel plated
3 -	inside + outside chrome-plated
5 -	inside + outside chemically nickel-plated

Configuration example of an article number with additional options

inlet pressure: 10 bar
seals: EPDM

outlet pressure: 4 bar
temperature: 30 °C

connection: 2" NPT
without additional finishes

art.no. standard version						-	C	C	M	E	F
0	3	7	8	0	7	-	3	0	0	2	0

Flow diagram

