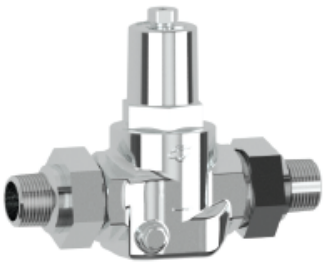
PROTEK
Processteknik GH AB

DRV 702-R • DRV 708-R



DRV 702-R • DRV 708-R
Type A (DN 15 - DN 32)

DRV 702-R • DRV 708-R
Type B (DN 40 - DN 50)

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 CE

Classification societies

- DNV GL
- LR
- BV
- ABS
- CCS

Customs tariff number

84811005

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.

FDA / EC 1935/2004

Our stainless steel series with EPDM seals correspond to the requirements of the EU Regulation EC 1935/2004 and the Regulations of the FDA (Food and Drug Administration).

The metallic components in contact with the medium are made of austenitic materials such as 1.4408 and 1.4404.

The EPDM seals are conform FDA (21 CFR part 177.2600) and EC 1935/2004. This means you can use our stainless steel series with EPDM seals in the secondary sector of food applications.

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Features

- pressure-reliefed single seated valve
- diaphragm-controlled
- continuously adjustable outlet pressure
- max. inlet pressure up to 40 bar
- outlet pressure: 1,5 - 10 bar
- male thread acc. ISO 7
- replaceable inner parts
- double-ended G ¼" manometer fitting (for outlet pressure)
- assembly position: any desired, preferably vertical
- minimum pressure difference (inlet/outlet pressure): 1 bar
- EPDM seals with FDA conformity

Pressures

p1 max. 40 bar

p2 1,5 - 10 bar

Connections

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

Temperatures

Various options in the area of seals and wetted inner 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
FKM	-10 °C to +190 °C

Materials

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

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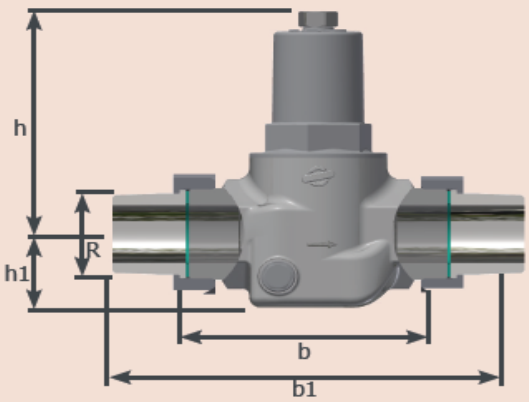
Technical data

nominal size		15	20	25	32	40	50
R		1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
Type			A			B	
Pressures							
max. 40 bar	max. inlet pressure [bar]						
	DRV 702-R	40				40	
	DRV 708-R	40				40	
1,5 - 10 bar	outlet pressure [bar]						
	DRV 702-R	1,5 - 6				1,5 - 6	
	DRV 708-R	1,5 - 10				1,5 - 10	
Connections							
Male thread from R 1/2" to R 2"	dimensions [mm]						
	R	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 702-R	1,6	1,7	2,8	2,8	6,5	6,4
	DRV 708-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



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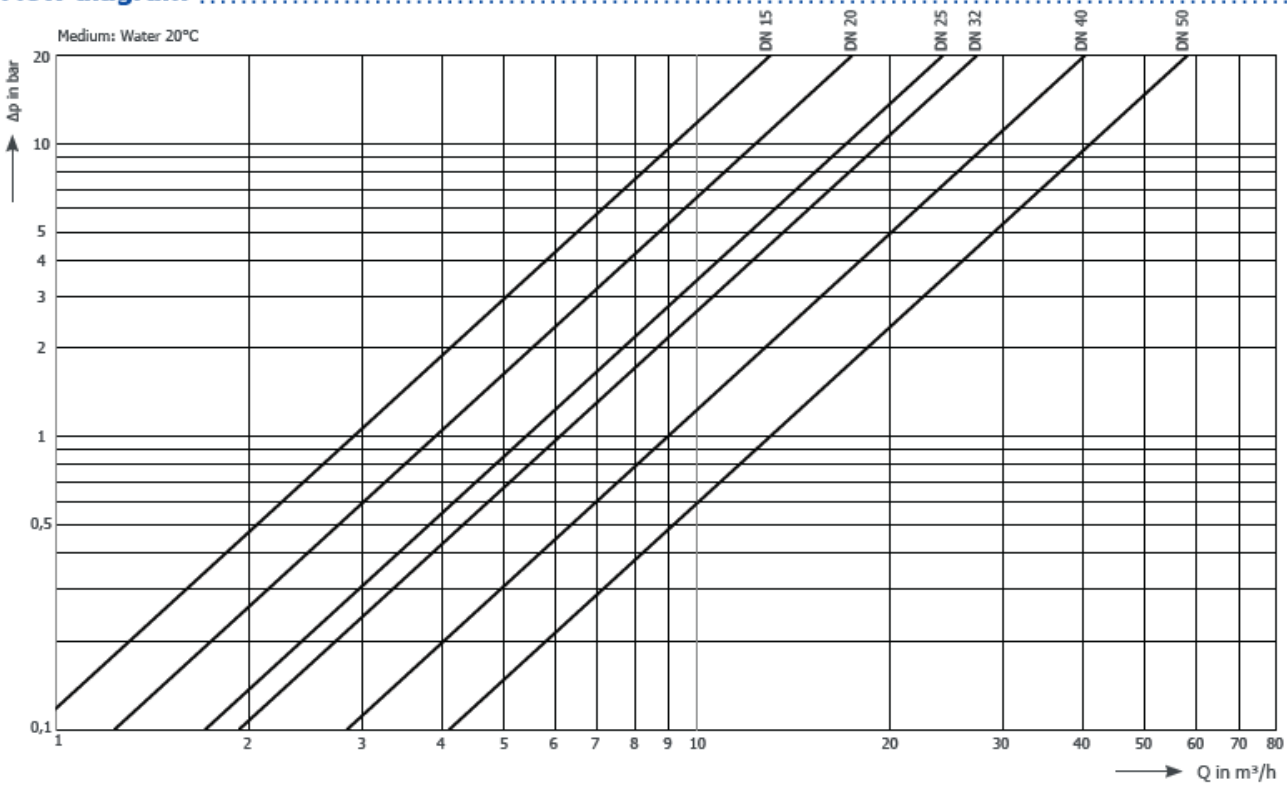
Flow diagram



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

*article numbers are 11 digits, see option overview and configuration example
**with FKM seals