



DRV 872 • DRV 878
 Type A (DN 15 - DN 32)



DRV 872 • DRV 878
 Type B (DN 40 - DN 80)



Pressure reducing valve
Flange • Wide range
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



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 food applications without hesitation.



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
- flanges acc. DIN EN 1092 PN 40
- optionally all sizes with ANSI or JIS flanges
- 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
- EPDM seals with FDA conformity

Pressures



max. 40 bar



0,5 - 9 bar

Connections



Flange connection
 acc. DIN EN 1092 PN 40
 from DN 15 up to DN 50

Materials

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



Temperatures

Various options in the area of seals and wetted internal 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

* with FDA conformity, DN 32 not available
 ** with FKM seals



Technical data

nominal size	15	20	25	32	40	50
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Type

A

B

Pressures

max. inlet pressure [bar]

max. 40 bar



DRV 872

40

40

DRV 878

40

40

outlet pressure [bar]

0,5 - 9 bar



DRV 872

0,5 - 4

0,5 - 4

DRV 878

0,5 - 9

0,5 - 9

Connections

dimensions [mm]

Flange connection
 from DN 15 to DN 50



all types	b	130	150	160	180	200	230
	D	95	105	115	140	150	165
	h1	48	53	58	70	75	83
	h	116	116	116	116	219	219

weight [kg]

DRV 872	2,9	3,6	4,8	6,2	9,7	11,5
DRV 878	2,9	3,6	4,9	6,2	9,8	11,6

kvs-value [m³/h]

all types	2,9	3,9	5,4	6,1	9	13
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