



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



DRV 872 • DRV 878  
Type B (DN 40 - DN 50)



DRV 872 • DRV 878  
Type C (DN 65 - DN 100)



**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.

**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 **CE**

**Classification societies** .....

- DNV GL
- LR
- BV
- ABS
- CCS

**Customs tariff number** .....

84811005  
84811019



## Features

- pressure-relieved single seated valve
- diaphragm-controlled
- continuously adjustable outlet pressure
- max. inlet pressure up to 40 bar (up to DN 50) / 25 bar (DN 65 - DN 100)
- outlet pressure: 0,5 - 9 bar
- flanges acc. DIN EN 1092
- optionally with ANSI or JIS flanges
- with integrated strainer filter (up to DN 50)
- replaceable inner parts
- double-ended G 1/4" manometer fitting
- 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 (up to DN 50)  
 acc. DIN EN 1092 PN 25 (DN 65 - DN 80)  
 acc. DIN EN 1092 PN 16/ PN 25 (DN 100)

## Materials

	body	spring bonnet	seals	wetted parts	max. temperature
standard version	stainless steel 1.4408	stainless steel 1.4408	FKM***, EPDM* or 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  
 \*\* with FKM seals  
 \*\*\* up to DN 50



**Technical data**

nominal size	15	20	25	32	40	50	65	80	100	100
									PN16	PN25

Type		A	B	C			
<b>Pressures</b>							
	max. inlet pressure [bar]						
max. 40 bar		DRV 872	40	40	25	16	25
		DRV 878	40	40	25	16	25

outlet pressure [bar]						
0,5 - 9 bar		DRV 872	0,5 - 4	0,5 - 4	0,5 - 4	
		DRV 878	0,5 - 9	0,5 - 9	0,5 - 9	

**Connections**

Flange connection  
from DN 15 to DN 100

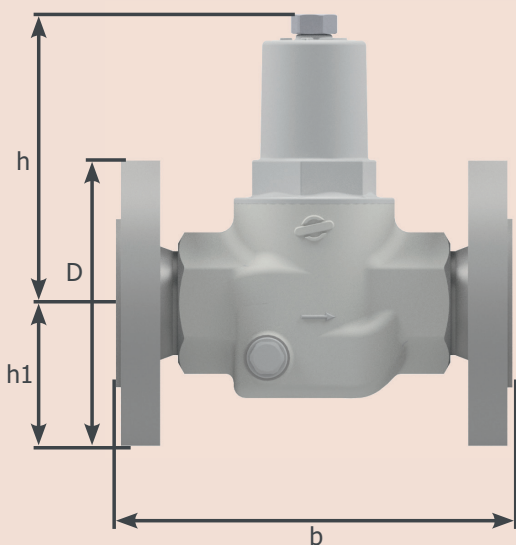
		dimensions [mm]									
all types	b	130	150	160	180	200	230	290	310	350	350
	D	95	105	115	140	150	165	185	200	220	235
	h1	48	53	58	70	75	83	127	127	127	127
	h	116	116	116	116	219	219	347	347	347	347

**weight [kg]**

DRV 872	2,9	3,6	4,8	6,2	9,7	11,5	32,3	35,2	36,1	39,2
DRV 878	2,9	3,6	4,9	6,2	9,8	11,6	32,2	35,1	36,1	39,2

**kvs-value [m³/h]**

all types	2,9	3,9	5,4	6,1	9	13	48	60	70	70
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## Article number .....

nominal size	15	20	25	32	40	50	65	80	100 PN16	100 PN25
standard version										
DRV 872	087202	087203	087204	087205	087206	087207	087208-55080	087209-55080	087210-54080	087210-55080
DRV 878	087802	087803	087804	087805	087806	087807	087808-55080	087809-55080	087810-54080	087810-55080

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.
63 mm	G 1/4", central back	stainless steel	0 - 10 bar	200 °C	009014
63 mm	G 1/4", radial bottom	stainless steel	0 - 10 bar	200 °C	009018
63 mm	G 1/4", central back	stainless steel	0 - 25 bar	200 °C	009017
63 mm	G 1/4", radial bottom	stainless steel	0 - 25 bar	200 °C	009019



## Options

### C C - connections\*

00 -	DIN EN 1092 PN 40	standard up to DN 50
55 -	DIN EN 1092 PN 25	standard DN 65 - DN 80
54 -	DIN EN 1092 PN 16	standard DN 100
61 -	ANSI B16.5 RF	class 150 lbs

\* other connection types on request

### M - material wetted parts

0 -	stainless steel 1.4404	standard
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### E - elastomers

0 -	FKM	up to DN 50
1 -	NBR	
8 -	EPDM	with FDA conformity

### F - finishes

0 -	without additional finishes
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## Configuration example of an article number with additional options

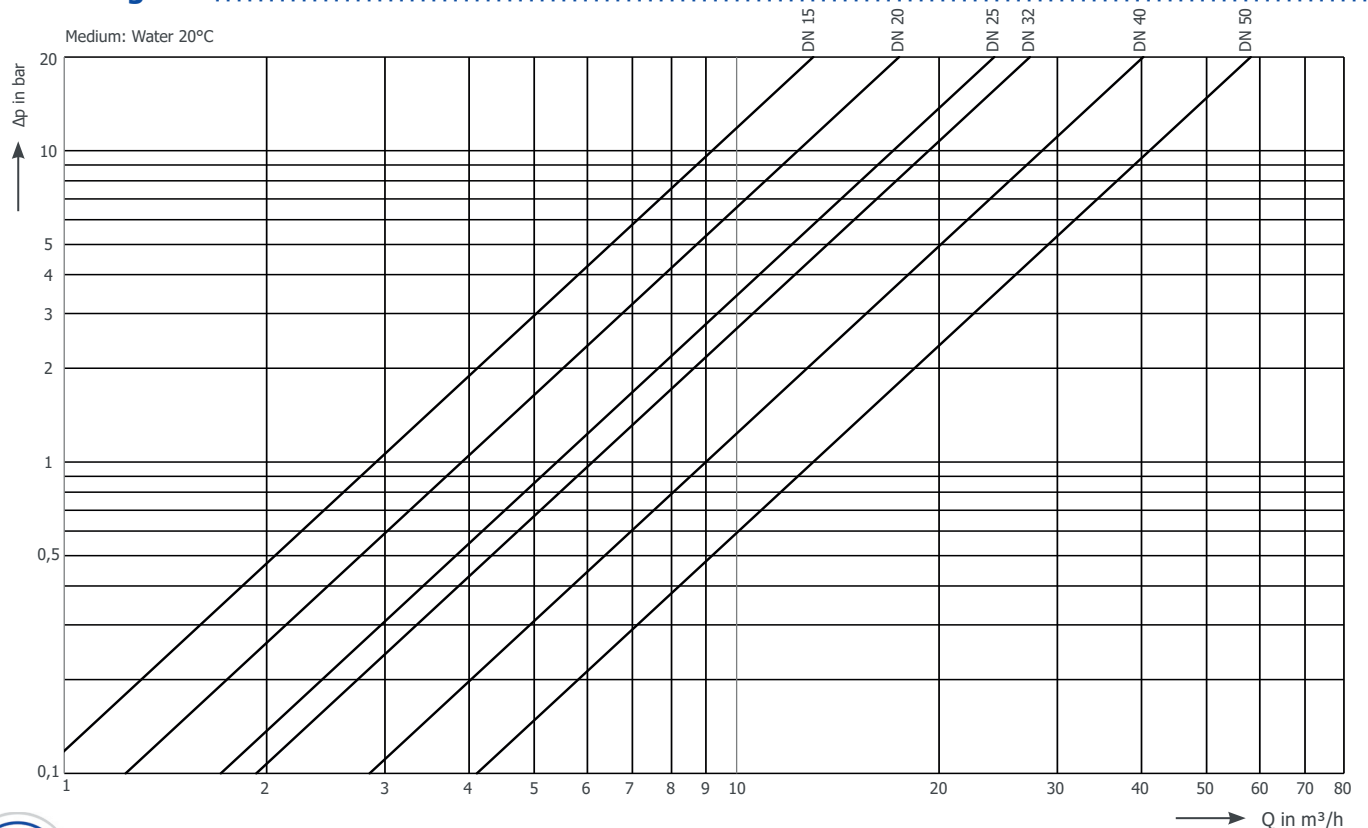
inlet pressure: 10 bar  
seals: EPDM

outlet pressure: 4 bar  
temperature: 30 °C

connection: DN 50 ANSI B16.5 RF  
without additional finishes

art.no. standard version						-	C	C	M	E	F
0	8	7	8	0	7	-	6	1	0	8	0

## Flow diagram





**Flow diagram**

