



DRV 824 • DRV 825
Type A (DN 15 - DN 32)



DRV 824 • DRV 825
Type B (DN 40 - DN 80)



Pressure reducing valve
Flange • High pressure
Stainless steel

Pressure reducing valves of the series are piston-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.



Features

- pressure-relieved single seated valve
- piston-controlled
- continuously adjustable outlet pressure
- max. inlet pressure up to 40 bar
- outlet pressure: 1,5 - 20 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

Pressures



max. 40 bar



1,5 - 20 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
FPM	-10°C to +190°C

*only DN 20 to DN 50
 **only DN 40 & DN 50
 ***with FKM seals



Technical data

nominal size	15	20	25	32	40	50
--------------	----	----	----	----	----	----

Type		A				B		
Pressures	max. inlet pressure [bar]							
	max. 40 bar 	DRV 824	40				40	
		DRV 825	40				40	
1,5 - 20 bar 	outlet pressure [bar]							
	DRV 824	1,5 - 12				1,5 - 12		
	DRV 825	2,0 - 20				2,0 - 20		
Connections	Flange connection from DN 15 to DN 50 	dimensions [mm]						
		b	130	150	160	180	200	230
		D	95	105	115	140	150	165
		h1	48	53	58	70	75	83
		h	135	134	135	137	247	247
		weight [kg]						
	DRV 824	2,9	3,6	5,3	6,7	11,2	13,0	
	DRV 825	3,0	3,7	5,4	6,7	11,2	13,0	
	kvs-value [m³/h]							
	all types	2,9	3,9	5,4	6,1	9	13	

