



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



DRV 824 • DRV 825
Type B (DN 40 - DN 50)



DRV 824
Type C (DN 65 - DN 100)



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.

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.

DGRL 2014/68/EU **CE**

Classification societies

- DNV GL
- LR
- BV
- ABS
- CCS

Customs tariff number

84811005
84811019



Features

- pressure-relieved single seated valve
- piston-controlled
- continuously adjustable outlet pressure
- max. inlet pressure up to 40 bar (up to DN 50)/ 25 bar (DN 65 - DN 100)
- outlet pressure: 1,5 - 20 bar
- flanges acc. DIN EN 1092 PN 40/ PN 25
- optionally all sizes 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

Pressures



max. 40 bar



1,5 - 20 bar

Connections



Flange connection
acc. DIN EN 1092 PN 40 (up to DN 50)
acc. DIN EN 1092 PN 25 (DN 65 - DN 100)

Materials

	body	spring bonnet	seals	wetted parts	max. temperature
standard version	stainless steel 1.4408	stainless steel 1.4408	FKM***, 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


*DN 20 - DN 100
**DN 40 - DN 100
***DN 15 - DN 50
****with FKM seals



Technical data

nominal size	15	20	25	32	40	50	65	80	100
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Type		A	B	C	
Pressures					
	max. inlet pressure [bar]				
max. 40 bar		DRV 824	40	40	25
		DRV 825	40	40	-

	outlet pressure [bar]				
1,5 - 20 bar		DRV 824	1,5 - 12	1,5 - 12	4,0 - 12
		DRV 825	2,0 - 20	2,0 - 20	-

Connections

Flange connection
from DN 15 to DN 100

dimensions [mm]



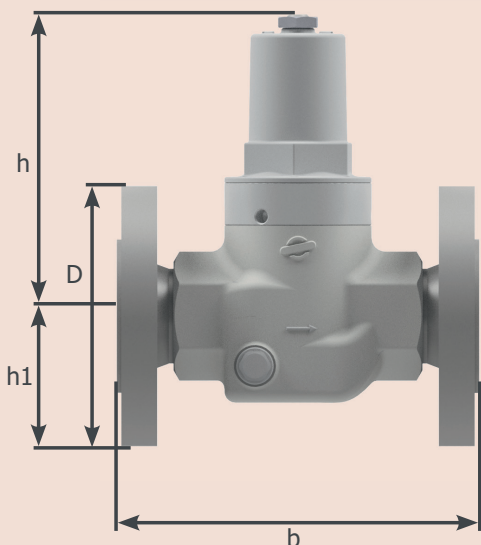
all types	b	130	150	160	180	200	230	290	310	350
	D	95	105	115	140	150	165	185	200	235
	h1	48	53	58	70	75	83	127	127	127
	h	135	134	135	137	247	247	354	354	354

weight [kg]

DRV 824	2,9	3,6	5,3	6,7	11,2	13,0	34,5	37,4	41,4
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	48	60	70
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Article number

nominal size	15	20	25	32	40	50	65	80	100
standard version									
DRV 824	082402	082403	082404	082405	082406	082407	082408-00020	082409-00020	082410-00020
DRV 825	082502	082503	082504	082505	082506	082507	-	-	-

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
00 -	DIN EN 1092 PN 25	standard DN 65 - 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	DN 15 - DN 50
1 -	NBR	DN 20 - DN 100
2 -	EPDM	DN 40 - DN 100

B - Beschichtungen

0 -	ohne zusätzliche Beschichtung
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Configuration example of an article number with additional options

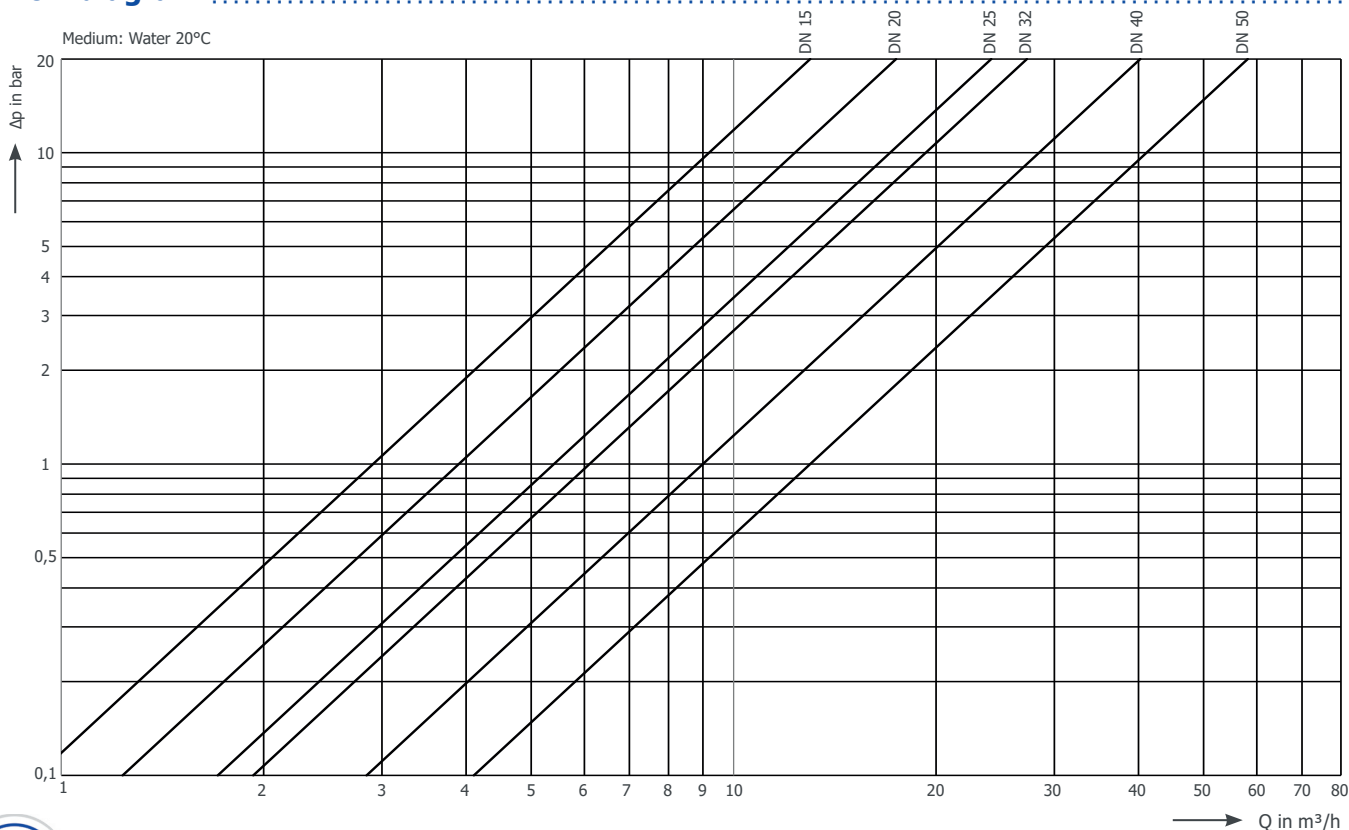
inlet pressure: 25 bar
seals: EPDM

outlet pressure: 14 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	2	5	0	7	-	6	1	0	2	0

Flow diagram





Flow diagram

