



DRV 235
Type A (DN 8 - DN 25)



DRV 235
Type B (DN 32 - DN 50)



Pressure reducing valve
Flange • High pressure
Red bronze

Pressure reducing valves of the series are piston-controlled, spring-loaded pressure reducing valves. The series has a high setting accuracy and good response behaviour due to the low friction of the few moving internal parts.

Media

The pressure reducers are suitable for use with compressed air and neutral gases, but can also be used for water and neutral liquids when smaller flow rates are required.

DGRL 2014/68/EU **CE**

Classification societies

- DNV GL
- LR
- BV
- ABS
- CCS

Customs tariff number

84811099



Features

- non-pressure-relieved single seated valve
- diaphragm-controlled
- continuously adjustable outlet pressure
- max. inlet pressure up to 60 bar
- outlet pressure: 1,5 - 45 bar
- highest reduction ratio 6:1
- flanges acc. DIN EN 10920 PN 40, optionally ANSI/JIS
- 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. 60 bar



1,5 - 45 bar

Connections



Flange connection
acc. DIN EN 1092 PN 40
from DN 8 up to DN 50

Materials

	body	spring bonnet	seals	wetted parts	max. temperature
standard version	red bronze CC499K	up to DN 25 brass* from DN 32 cast iron	NBR	brass	100 °C

Special versions:



high temperature (-HT)*	red bronze CC499K	up to DN 25 brass from DN 32 cast iron	FPM	brass	190 °C*
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*only DN 15 to DN 50



Temperatures

The seals and membranes used allow temperatures up to max. 100°C.



from -15 °C up to +190 °C

Seals and temperatures

NBR -15°C to +100°C
FPM* -10°C to +190°C

* only DN 15 to DN 50

Special version for high temperature(-HT)

Often the temperature resistance of standard pressure reducers is not sufficient for your application. For such applications, various variants of the -HT series are available. This high temperature series is equipped with FPM seals. Thus, a maximum temperature resistance of 190°C is achieved with FPM seals in combination with metallic internal parts.

Please note that these pressure reducers are not suitable for use with steam.



Technical data

nominal size	8	10	15	20	25	32	40	50
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Type

A

B

Pressures

inlet pressure [bar]

max. 40 bar



DRV 235

40

40

outlet pressure [bar]

1,5 - 20 bar



DRV 235

1,5 - 20

1,5 - 20

Connections

dimensions [mm]

Flange connection
from DN 8 up to DN 50



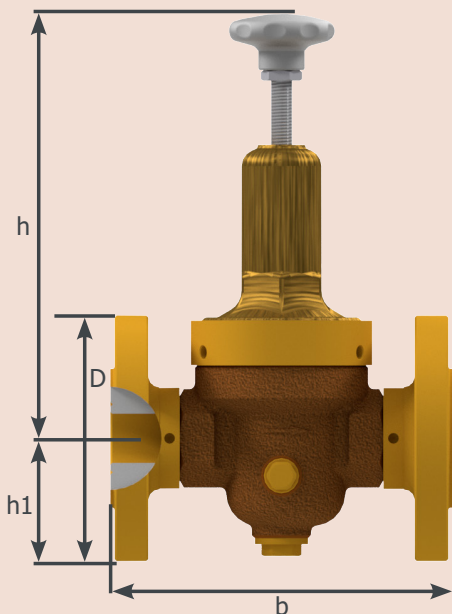
DRV 235	D	80	90	95	105	115	140	150	165
	b	130	130	130	150	160	180	200	230
	h1	48	48	48	53	56	70	75	83
	h	147	147	181	181	201	302	332	329

weight [kg]

DRV 235	1,2	1,2	3,5	4,4	5,8	10,9	12,1	17,5
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kvs-value [m³/h]

DRV 235	0,5	0,6	1,2	1,3	1,6	4,2	4,5	7,2
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Article number

nominal size	8	10	15	20	25	32	40	50
standard version								
DRV 235	023520	023521	023522	023523	023524	023525	023526	023527
special version								
high temperature -HT	--	--	art.no. Standard + -00030			art.no. Standard + -00030		

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.
50 mm	G 1/4", central back	steel	0 - 4 bar	60°C	009001
50 mm	G 1/4", central back	steel	0 - 10 bar	60°C	009002
63 mm	G 1/4", central back	stainless steel	0 - 10 bar	200°C	009014



Options

CC - connection

00 -	DIN EN 10920 PN 40	standard
61 -	ANSI B 16.5 RF	

M - material wetted parts

0 -	brass	standard
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E - elastomers

0 -	NBR	Standard
3 -	FPM	nur DN 15 bis DN 50

F - finishes

0 -	without additional finishes
1 -	inside + outside nickel plated
3 -	inside + outside chrome-plated
5 -	inside + outside chemically nickel-plated

Configuration example of an article number with additional options

inlet pressure: 30 bar
seals: FPM

outlet pressure: 7 bar
temperature: 30 °C

connection: DN 50 ANSI B 16.5
without additional finishes

art.no. standard version						-	C	C	M	E	F
0	2	3	5	2	7	-	6	1	0	3	0

Flow diagram

