



DRV 250
Type A (DN 8 - DN 25)



DRV 250
Type B (DN 32 - DN 50)



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.

Pressure reducing valve Female thread • Low pressure Red bronze

Pressure reducing valves of the series are diaphragm-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.

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 25 bar
- outlet pressure: 0,2 - 2 bar
- highest reduction ratio 20:1
- female thread acc. ISO 228, optionally with NPT-thread
- 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. 25 bar



0,2 - 2 bar

Connections



Female thread
acc. ISO 228
from G 1/4" to G 2"



Temperatures

Die eingesetzten Dichtungen und Membrane erlauben Temperaturen bis zu max. 100°C.



von -15 °C bis +100 °C

Dichtungen und Temperatur

NBR

-15°C bis +100°C

Materials

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



Technical data

nominal size	8	10	15	20	25	32	40	50
G	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"

Type

A

B

Pressures

inlet pressure [bar]

max. 25 bar



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25

25

outlet pressure [bar]

0,2 - 2 bar



DRV 250

0,2 - 2

0,2 - 2

Connections

Female thread
from G 1/4" up to G 2"


dimensions [mm]

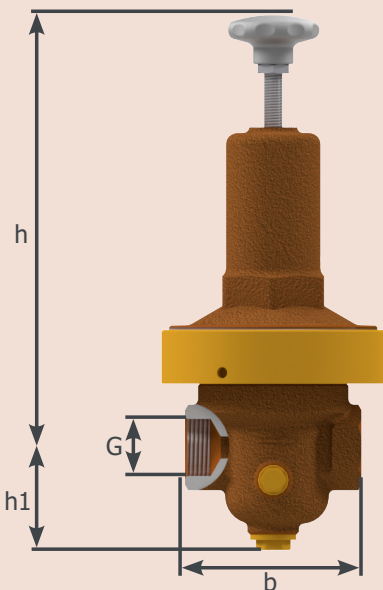
	G	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
DRV 250	b	70	70	85	85	95	104	108	147
	h1	47	47	47	47	56	61	61	72
	h	140	140	186	206	234	268	268	308

weight [kg]

DRV 250	1,0	1,0	2,5	2,5	4,2	7,7	7,7	14,2
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kvs-value [m³/h]

DRV 250	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
G	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"

standard version

DRV 250	002500	002501	002502	002503	002504	002505	002506	002507
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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 -	ISO 228	standard
30 -	NPT - ASME B1.20.1	

M - material wetted parts

0 -	brass	standard
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E - elastomers

0 -	CR/ NBR	Standard
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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: 6 bar
seals: NBR

outlet pressure: 0,8 bar
temperature: 30 °C

connection: 2" NPT
without additional finishes

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

Flow diagram

