



DRV 225 • DRV 226
Type A (DN 8 - DN 25)



DRV 225 • DRV 226
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 • 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.

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
- 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. 60 bar



1,5 - 45 bar

Connections



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

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* |
|-------------------------|----------------------|---|-----|-------|---------|

*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 |
| G | 1/4" | 3/8" | 1/2" | 3/4" | 1" | 1 1/4" | 1 1/2" | 2" |

Type

A

B

Pressures

max. inlet pressure [bar]

max. 60 bar



| | | |
|---------|----|----|
| DRV 225 | 40 | 40 |
| DRV 226 | 60 | -- |

outlet pressure [bar]

1,5 - 45 bar



| | | |
|---------|----------|----------|
| DRV 225 | 1,5 - 20 | 1,5 - 20 |
| DRV 226 | 20 - 45 | -- |

Connections

dimensions [mm]

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



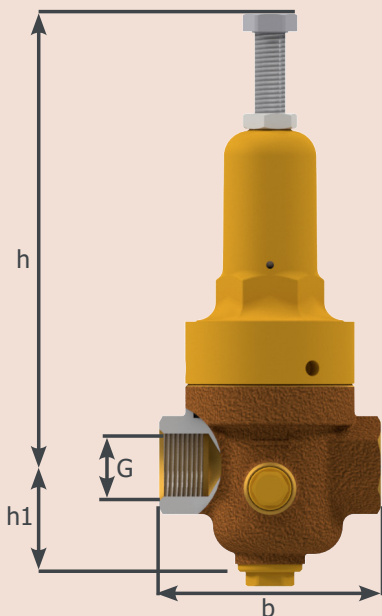
| | | | | | | | | | |
|-----------|----|------|------|------|------|-----|--------|--------|-----|
| | G | 1/4" | 3/8" | 1/2" | 3/4" | 1" | 1 1/4" | 1 1/2" | 2" |
| all types | b | 70 | 70 | 85 | 85 | 95 | 104 | 108 | 147 |
| | h1 | 47 | 47 | 47 | 47 | 56 | 61 | 61 | 71 |
| | h | 147 | 147 | 181 | 181 | 196 | 302 | 301 | 329 |

weight [kg]

| | | | | | | | | |
|---------|-----|-----|-----|-----|-----|-----|-----|-----|
| DRV 225 | 1,2 | 1,2 | 1,7 | 1,7 | 2,7 | 6,1 | 6,2 | 9,9 |
| DRV 226 | 1,6 | 1,5 | 1,9 | 1,9 | -- | -- | -- | -- |

kvs-value [m³/h]

| | | | | | | | | |
|-----------|-----|-----|-----|-----|-----|-----|-----|-----|
| all types | 0,5 | 0,6 | 1,2 | 1,3 | 1,6 | 4,2 | 4,5 | 7,2 |
|-----------|-----|-----|-----|-----|-----|-----|-----|-----|





Article number

| | | | | | | | | |
|--------------|------|------|------|------|----|--------|--------|----|
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standard version

| | | | | | | | | |
|---------|--------|--------|--------|--------|--------|--------|--------|--------|
| DRV 225 | 002200 | 002201 | 002202 | 002203 | 002204 | 002205 | 002206 | 002207 |
| DRV 226 | 022600 | 022601 | 022602 | 022603 | -- | -- | -- | -- |

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 - | ISO 228 | standard |
| 30 - | NPT - ASME B1.20.1 | |

M - material wetted parts

| | | |
|-----|---------|----------|
| 0 - | Messing | Standard |
|-----|---------|----------|

E - elastomers

| | | |
|-----|-----|------------------------|
| 0 - | NBR | standard |
| 3 - | FPM | from DN 15 up to 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: 2" NPT
without additional finishes

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

Flow diagram

