



DRV 424 • DRV 425
Type A (DN 15 - DN 32)



DRV 424 • DRV 425
Type B (DN 40 - DN 65)



Media

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

For the medium drinking water we refer to our special series DRV -6.

Pressure reducing valve
Male thread • High pressure
Red bronze

Pressure reducing valves of the series are piston-controlled, spring-loaded pressure reducing valves and have an inlet pressure compensation.

DGRL 2014/68/EU **CE**

Customs tariff number

84811005



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
- Male thread acc. ISO 7
- 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
- Female thread G 3/8" socket on request

Drücke



max. 40 bar



1,5 - 20 bar

Connections



Male thread
acc. ISO 7
from R 1/2" to R 2 1/2"

Materials

	body	spring bonnet	seals	wetted parts	max. temperature
standard version	red bronze CC499K	up to DN 32 brass from DN 40 cast iron	NBR optionally EPDM*, FPM	up to DN 32 Hostaform C & brass from DN 40 brass	100 °C
special version:					
high temperature (-HT)	red bronze CC499K	up to DN 32 brass from DN 40 cast iron	FPM	brass	190 °C



Temperatures

Various options for the seals and wetted 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 40 to DN 65

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.

* only DN 40 to DN 65



Technical data

nominal size	15	20	25	32	40	50	65
R	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"

Type

A

B

Pressures

max. inlet pressure [bar]

max. 40 bar



DRV 424	40	25
DRV 425	16	25

outlet pressure [bar]

1,5 - 20 bar



DRV 424	1,5 - 12	1,5 - 12
DRV 425	2 - 10	2,0 - 20

Connections

Male thread
from R 1/2" to R 2 1/2"



dimensions [mm]

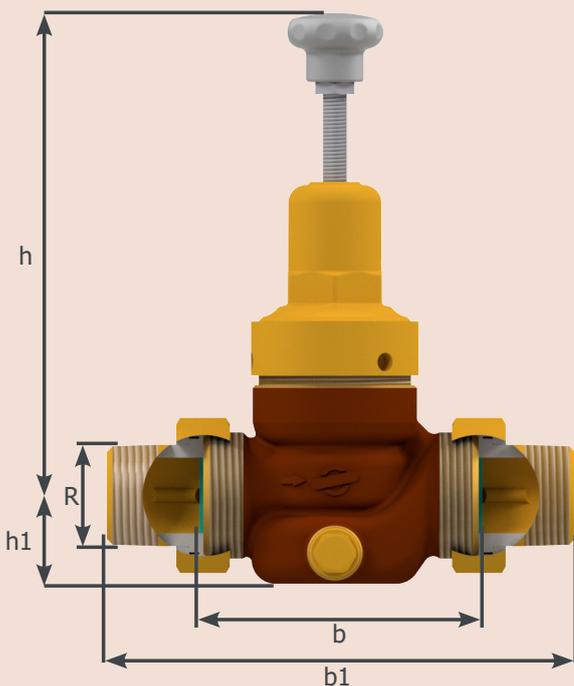
	R	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"
all types	b	78	78	90	100	125	126	150
	b1	137	141	154	177	210	210	273
	h1	27	28	29	47	59	61	68
DRV 424	h	151	151	150	187	302	303	317
DRV 425		206	206	202	205	327	327	340

weight [kg]

DRV 424	1,2	1,4	1,7	2,6	7,0	7,6	10,0
DRV 425	1,6	1,7	2,1	2,6	7,2	7,6	10,0

kvs-value [m³/h]

all types	2,9	3,9	5,4	6,1	9	13	17
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Article number

nominal size	15	20	25	32	40	50	65
R	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"

standard version

DRV 424	042402	042403	042404	042405	042406	042407	042408
DRV 425	042502	042503	042504	042505	042506	042507	042508

special version

high temperature -HT	art.no. standard + -00130			art.no. standard + -00030			
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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 - 10 bar	60°C	009002
63 mm	G 1/4", central back	steel	0 - 25 bar	60°C	009004
63 mm	G 1/4", central back	stainless steel	0 - 10 bar	200°C	009014
63 mm	G 1/4", central back	stainless steel	0 - 16 bar	200°C	009016



Options

C C - connections

00 - ISO 7 standard

M - material wetted parts

0 - Messing / POM Standard bis DN 32
 0 - Messing Standard ab DN 40
 1 - Messing DN 15 bis DN 32
 2 - Rotguss
 5 - Rotguss / POM DN 15 bis DN 32

E - elastomers

0 - NBR Standard
 2 - EPDM
 3 - FPM

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: 23 bar
 seals: FPM

outlet pressure: 12 bar
 temperature: 100 °C

connection: 1/2"
 without additional finishes

art.no. standard version						-	C	C	M	E	F
0	4	2	5	0	2	-	0	0	0	3	0

Flow diagram

