



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



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



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.

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.

DGRL 2014/68/EU



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"



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.

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



* only DN 40 to DN 65

DRV 424 • DRV 425



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
Pressures

max. 40 bar



max. inlet pressure [bar]

DRV 424

40

25

DRV 425

16

25

1,5 - 20 bar



outlet pressure [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		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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