

DRV 750
Type A (DN 15 - DN 32)



DRV 750
Type B (DN 40 - DN 50)



Media

The pressure reducers are suitable for use with aggressive waters and other aggressive liquids, but can also be used for air and neutral gases when larger flow rates are required.

Pressure reducing valve Female thread • Low pressure Stainless steel

Pressure reducing valves of the series are diaphragm-controlled, spring-loaded pressure reducing valves. These valves are inlet pressure relieved.

DGRL 2014/68/EU



Classification societies

- DNV GL
- ABS
- LR
- CCS
- BV

Customs tariff number

84811005

FDA / EC 1935/2004

Our stainless steel series with EPDM seals correspond to the requirements of the EU Regulation EC 1935/2004 and the Regulations of the FDA (Food and Drug Administration).

The metallic components in contact with the medium are made of austenitic materials such as 1.4408 and 1.4404.

The EPDM seals are conform FDA (21 CFR part 177.2600) and EC 1935/2004. This means you can use our stainless steel series with EPDM seals in the secondary sector of food applications.



Features

- pressure-reliefed single seated valve
- diaphragm-controlled
- continuously adjustable outlet pressure
- max. inlet pressure up to 25 bar
- outlet pressure: 0,2 - 2 bar
- female thread acc. ISO 228, optionally with NPT-thread
- 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
- EPDM seals with FDA conformity

Pressures



max. 25 bar



0,2 - 2 bar

Connections



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

Temperatures

Various options in the area of seals and wetted inner 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
FKM	-10 °C to +190 °C

Materials

	body	spring bonnet	seals	wetted inner parts	max. temperature
standard version	stainless steel 1.4408	stainless steel 1.4408	EPDM*, FKM, NBR***	stainless steel 1.4404	190 °C**

*with FDA conformity

**with FKM seals

***only DN 15 to DN 32



Technical data

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

A

B

Pressures

max. inlet pressure [bar]

max. 25 bar



DRV 750

25

25

outlet pressure [bar]

0,2 - 2 bar



DRV 750

0,2 - 2

0,2 - 2

Connections

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

dimensions [mm]

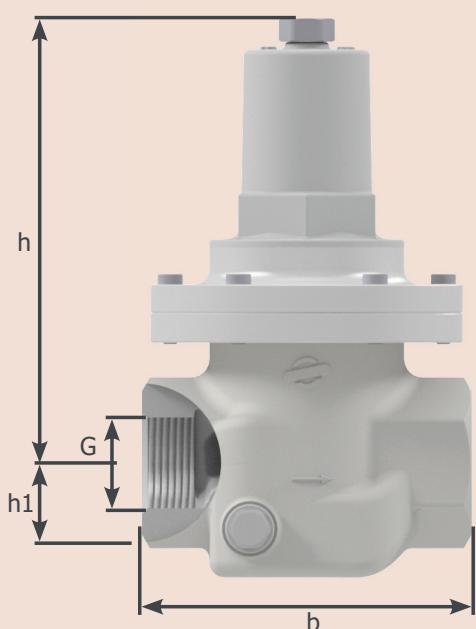
	G	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
DRV 750	b	95	95	110	120	150	160
	h1	29	29	38	38	38	38
	h	136	136	148	148	271	271

weight [kg]

DRV 750	1,8	1,7	3,1	3,1	9,1	9,0
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kvs-value [m^3/h]

DRV 750	2,9	3,9	5,4	6,1	9	13
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Article number

nominal size	15	20	25	32	40	50
G	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
standard version						
DRV 750	075002	075003	075004	075005	075006	75007

Standard article numbers are 6 digits, article numbers for additional options are 11 digits. (See option overview and configuration example)

Options

CC - connections	E - elastomers
00 - ISO 228	standard
30 - NPT - ASME B1.20.1	
M - material of wetted inner parts	
0 - stainless steel 1.4404	
F - finishes	
0 - without additional finishes	

Configuration example of an article number with additional options

inlet pressure: 6 bar
seals: EPDM

outlet pressure: 0,5 bar
temperature: 30 °C

connection: 2" NPT
without additional finishes

art.no. standard version	-	C	C	M	E	F
0 7 5 0 0 7	-	3	0	0	8	0

Manometer

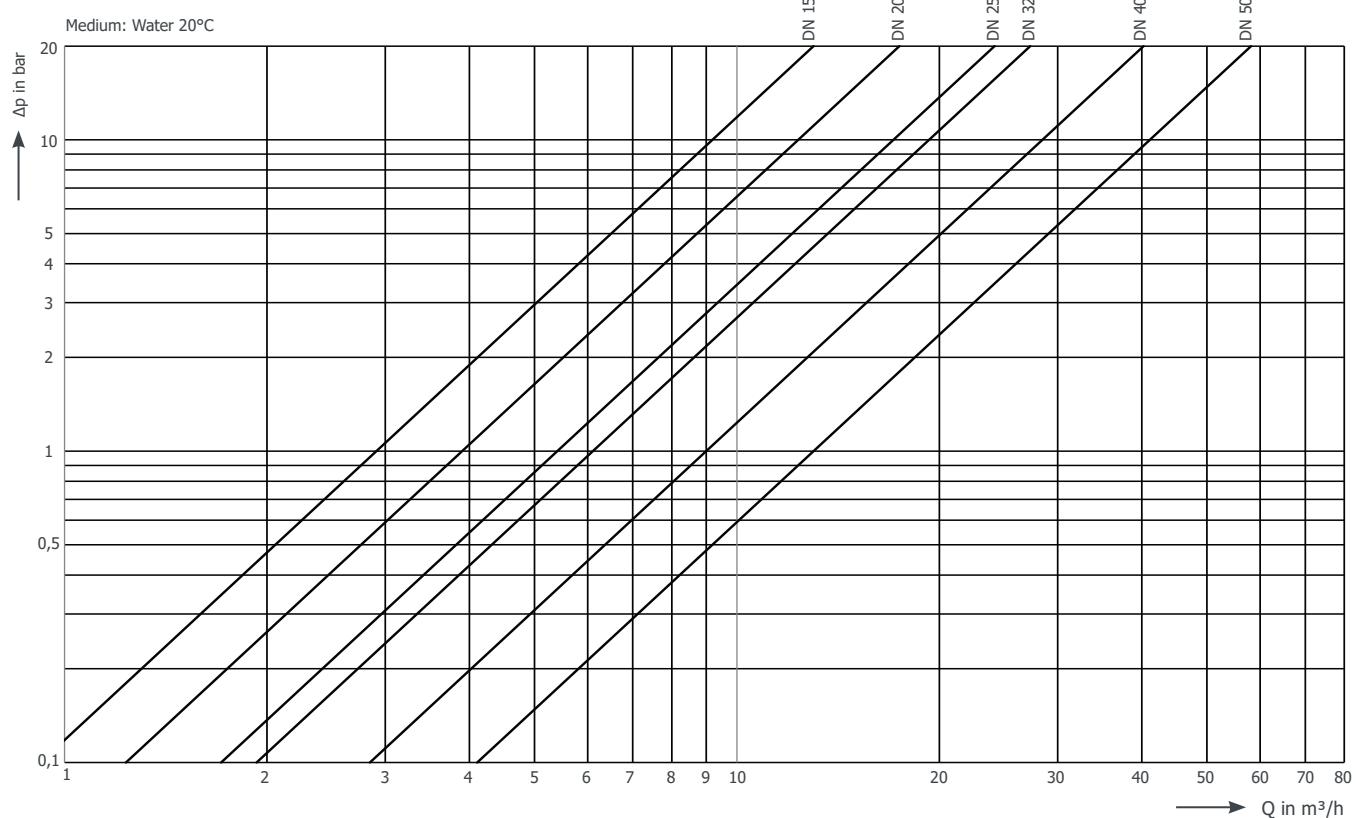
diameter	connection	body	pressure range	max. temp.	art.no.*
63 mm	G 1/4", central back	stainless steel	0 - 10 bar	190 °C**	009014

*article numbers are 11 digits, see option overview and configuration example

**with FKM seals



Flow diagram





DRV 750-R
Type A (DN 15 - DN 32)



DRV 750-R
Type B (DN 40 - DN 50)



Media

The pressure reducers are suitable for use with aggressive waters and other aggressive liquids, but can also be used for air and neutral gases when larger flow rates are required.

Pressure reducing valve Male thread • Low pressure Stainless steel

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The EPDM seals are conform FDA (21 CFR part 177.2600) and EC 1935/2004. This means you can use our stainless steel series with EPDM seals in the secondary sector of food applications.



Features

- pressure-reliefed single seated valve
- diaphragm-controlled
- continuously adjustable outlet pressure
- max. inlet pressure up to 25 bar
- outlet pressure: 0,2 - 2 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
- EPDM seals with FDA conformity

Pressures



max. 25 bar



0,2 - 2 bar

Connections



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

Temperatures

Various options in the area of seals and wetted inner 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
FKM	-10 °C to +190 °C

Materials

	body	spring bonnet	seals	wetted inner parts	max. temperature
standard version	stainless steel 1.4408	stainless steel 1.4408	EPDM*, FKM, NBR***	stainless steel 1.4404	190 °C**

*with FDA conformity

**with FKM seals

***only DN 15 to DN 32



Technical data

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

A

B

Pressures

max. inlet pressure [bar]

max. 25 bar



DRV 750-R

25

25

outlet pressure [bar]

0,2 - 2 bar



DRV 750-R

0,2 - 2

0,2 - 2

Connections

dimensions [mm]

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

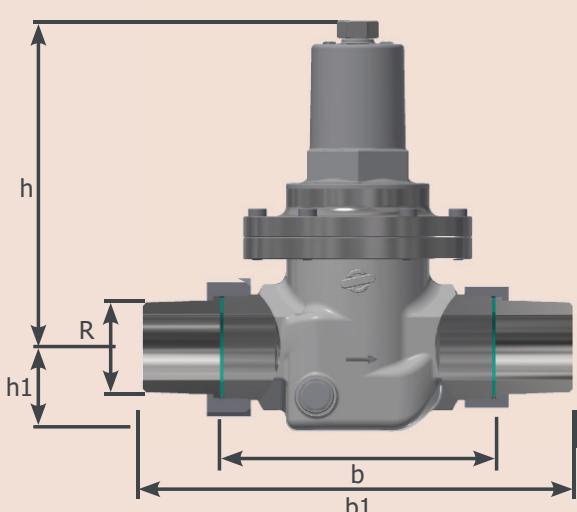
DRV 750-R	R	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
	b	105	105	122	122	160	160
	b1	168	168	195	195	250	250
	h1	29	29	38	38	39	39
	h	136	136	148	148	271	271

weight [kg]

DRV 750-R	2,0	2,0	3,8	3,9	10,3	10,2
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kvs-value [m^3/h]

DRV 750-R	2,9	3,9	5,4	6,1	9	13
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Article number

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

standard version

DRV 750-R 075002-R0XXX 075003-R0XXX 075004-R0XXX 075005-R0XXX 075006-R0XXX 075007-R0XXX

Article numbers are 11 digits. (See option overview and configuration example)

Options

CC - connections

R0 - ISO 7

E - elastomers

3 - FKM

1 - NBR

only DN 15 to DN 32

8 - EPDM

with FDA conformity

M - material of wetted inner parts

3 - stainless steel 1.4404

F - finishes

0 - without additional finishes

Configuration example of an article number with additional options

inlet pressure: 2 bar
seals: EPDM

outlet pressure: 0,5 bar
temperature: 30 °C

connection: 2" ISO 7
without additional finishes

art.no. standard version	-	C	C	M	E	F
0 7 5 0 0 7	-	R	0	3	8	0

Manometer

diameter	connection	body	pressure range	max. temp.	art.no.*
63 mm	G 1/4", central back	stainless steel	0 - 10 bar	190 °C**	009014

*article numbers are 11 digits, see option overview and configuration example

**with FKM seals



Flow diagram

