

PRESSURES

Inlet pressure	min. 0,5 bar / max. 10 bar
Outlet pressure	7 - 500 mbar

CONNECTIONS

Female thread acc. ISO 228 (G 1/2" up to G 2")
Optionallly with NPT-thread

SEALS AND TEMPERATURES

EPDM/PTFE	-30 °C to +120 °C / with FDA conformity
FKM/PTFE	-10 °C to +180 °C
EPDM/ATEX	-10 °C to +80 °C

FEATURES

- pressure compensation
- diaphragm-controlled
- continuously adjustable outlet pressure
- replaceable inner parts/cartridge principle
- double-sided G 1/4" manometer fitting
(for outlet pressure)
- assembly position: horizontal, bonnet pointing
downwards
- min. pressure difference (inlet / outlet pressure): 0,3 bar
- no limited reduction retio
- possible pulse line connection

MEDIA

- air and neutral gases

CONFORMITY / CUSTOMS TARIFF NUMBER / CLASSIFICATION SOCIETIES

- DGRL 2014/68/EU
- Customs tariff number 848 110 19
- Certifiable by external classification societies
e.g. DNV
- ATEX directive 2014/34/EU and DIN EN ISO 80079-36



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

Type

A

B

max. inlet pressure [bar]

DRV 743 / 744	10	10
DRV 747 / 748		

outlet pressure [mbar]

DRV 743	7 - 100
DRV 744	
DRV 747	
DRV 748	

dimensions [mm]

G	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
b1	280	280	280	280	330	330
b	95	95	110	120	150	160
h1	29	29	39	39	37	37
h	261	261	267	267	388	388

weight [kg]

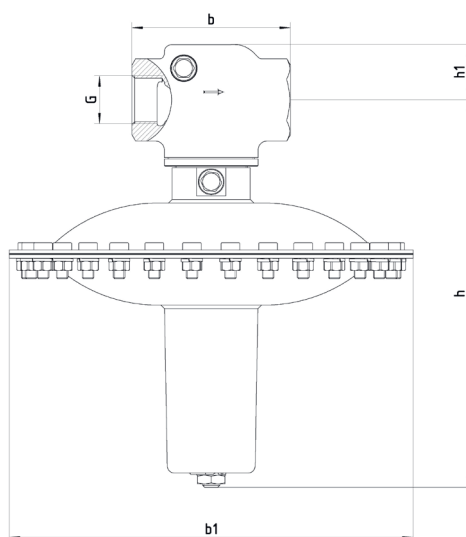
all types	7	7	7,8	7,8	15,2	15,1
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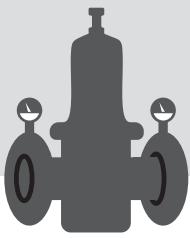
kvs-value [m³/h]

DRV 743 / 744	2,5	2,5	2,5	2,5	3,0	3,0
DRV 747 / 748	4,3	5,5	5,6	6,3	14,9	16,3

ATEX

DRV 743 / 744	II 2G Ex h IIB T6...T5 Gb X
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Article numbers and options / manometer and materials

Article numbers

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

Standard version

DRV 743	074302-10380	074303-10380	074304-10380	074305-10380	074306-10380	074307-10380
DRV 744	074402-10380	074403-10380	074404-10380	074405-10380	074406-10380	074407-10380
DRV 747	074702-10380	074703-10380	077304-10380	074705-10380	074706-10380	074707-10380
DRV 748	074802-10380	074803-10380	074804-10380	074805-10380	074806-10380	074807-10380

Options overview

CC - connections			E - elastomers		
10 -	ISO 228	standard	2 -	EPDM	ATEX
30 -	NPT - ASME B1.20.1		3 -	FKM	standard
			8 -	EPDM	with FDA conformity
M - material of wetted inner parts			F - finishes / special versions		
3 -	stainless steel 1.4404		0 -	without additional finishes	
			X -	ATEX version	
			Y -	Sealed bonnet	

Configuration example of an article number with additional options

art.no. standard version						-	C	C	M	E	F
0	7	4	3	0	4	-	3	0	3	2	X

inlet pressure: 6 bar
seals: EPDM

outlet pressure: 7 mbar
temperature: 30 °C

connection: 1" NPT
special version: ATEX
without additional finishes

Manometer

diameter	connection	body	pressure range	max. temp.	art.no.
63 mm	G 1/4", central back	stainless steel	0 - 160 mbar	180 °C	009020

Materials

	body	spring bonnet	seals	wetted inner parts	max. temperature
standard version	stainless steel 1.4408	stainless steel 1.4408	EPDM/PTFE, FKM/PTFE	stainless steel 1.4404	180 °C

