Series 484

Pressure reducing valves made of stainless steel with female threaded connections



C € EAE

MATERIAL



Rost

SPECIFICATION



1/4'' - 2''





Inlet pressure: up to 60 bar Outlet pressure: 0,5 to 50 bar depending on version EXAMPLES OF USE

SUITABLE FOR

For the protection of: - commercial and industrial plants

against too high supply pressure.

Use of pressure reducing valves, when in a piping system inspite of varying pressures on the inlet side a specific pressure on the outlet side must be kept.

- Compressed air supply plants
- Pneumatic control units
- Pressure booster plants air-side
- Shipbuilding industry and offshore plants
- Industrial gas plant construction
- PET blow moulding machines
- Blasting plants

APPROVALS

European Pressure Equipment Directive

TR ZU 032/2013 - TR ZU 010/2011

Requirements

PED 2014/68/EU

Classification society

Lloyd's Register EMEA	LR
Bureau Veritas	BV
Russian Maritime Register of Shipping	RS

MATERIALS Material **DIN EN** ASME Component Inlet body Stainless steel 1.4408 CF8M Outlet body Stainless steel 1.4408 CF8M Internal parts Stainless steel 316 L 1.4404 Stainless steel 1.4568 631 Spring



EMEA



Series 484 🔳	VALVE VERSION	
m	with diaphragm	High-quality heat-resistant elastomere, fabric reinforced diaphragm. Adjustment by means of non-rising spindle. Balanced single seat valve, pressure gauge connection G1/4" on both sides of body. Please take note of the outlet pressure range.
k	with piston	Stainless steel piston with seal and support ring. Adjustment by means of non-rising spindle. Balanced single seat valve, pressure gauge connection G1/4" on both sides of body. Please take note of the outlet pressure ranges.

■ MEDIUM		
GS	gaseous with secondary venting	Compressed air and gases. Non-neutral, poisonous gases only in combination with ducted exhaust.
GFO	gaseous and liquid without secondary venting	for water and non-sticking liquids, compressed air and gases

OUTLET PRESS	URE RANGES		
SM	Standard version with diaphragm	Inlet pressure: up to 60 bar	Outlet pressure: 0,5 to 15 bar
SK HK	Standard version with piston High-pressure version with piston	Inlet pressure: up to 60 bar Inlet pressure: up to 60 bar	Outlet pressure: 5 to 30 bar Outlet pressure: 10 to 50 bar

Fixed setting at a required outlet pressure against surcharge

AVAILABLE NOMINAL	DIAMETERS AN	D CONNECTION SIZES	

Nominal diameter DN	8	10	15	20	25	40	50
Inlet female connection	1/4" (8)	3/8" (10)	1/2" (15)	3/4" (20)	1" (25)	1 1/2" (40)	2" (50)
Outlet female connection	1/4" (8)	3/8" (10)	1/2" (15)	3/4" (20)	1" (25)	1 1/2" (40)	2" (50)

	ONNECTION INLET / OUTLET THREADE	D CONNECTIONS			
f/f	Standard	Female thread BSP-P / Female thread BSP-P	DIN EN ISO 228-1 / DIN EN ISO 228-1		
SEALS					
FKM	Fluorocarbon	Elastomere moulded diaphragm and seals	-10°C to +120°C		
EPDM	Ethylene propylene diene	Elastomere moulded diaphragm and seals	-40°C to +120°C		

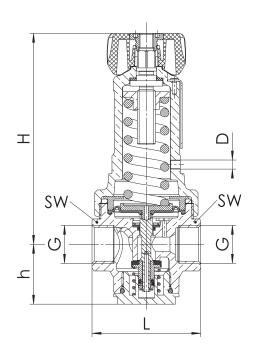


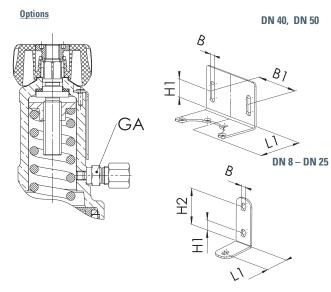
■ NOMINAL DIAMETERS, CONNECTIONS, INSTALLATION DIMENSIONS

Series 484: Connection, in:	stallation o	limensions, rang	ges of adjustmen	t				
Nominal diameter	DN	8	10	15	20	25	40	50
Connection DIN EN ISO 228	G	1/4" (8)	3/8" (10)	1/2" (15)	3/4" (20)	1" (25)	1 1/2" (40)	2" (50)
Inlet pressure up to	bar	60	60	60	60	60	60	60
Outlet pressure: SM	bar	0,5-15	0,5-15	0,5-15	0,5-15	0,5-15	0,5-15	0,5-15
SK	bar	5-30	5-30	5-30	5-30	5-30	5-30	5-30
НК	bar	10-50	10-50	10-50	10-50	10-50	10-50	10-50
Installation dimensions	L	68	68	60	78	102	136	136
in mm	Н	120	120	120	180	215	260	270
	h	33	33	33	40	56	63	70
	SW	26	26	26	32	44	58	70
Ducted exhaust connection	D	M5	M5	M5	M5	1/8"	1/8"	1/8"
Dimensions of optional	L1	38	38	38	51	61	85	85
wall mount	H1 / H2	18/62	18/62	18 / 62	18/58	22/80	15	15
	B / B1	5,5	5,5	5,5	6,5	8,5	10,5/90	10,5/90
Weight	kg	1,1	1,1	1,1	2,5	4,5	8,1	8,8
Coefficient of flow $\mathbf{K}_{\mathbf{vs}}$	m³/h	1,6	1,6	1,6	3,4	5,5	12,7	12,7

The K_{vs} value was determined according to DIN EN 60534-2-3. Instructions on how to determine size and capacity are to be found under section 2.

MAIN DIMENSIONS, INSTALLATION DIMENSIONS







Valve version m k ERTIES Supply with m Without hand hexagon wren Wall mount Inside coating with strong so	wheel, plast	Lifting device SM SK SK	Outlet pressure 20 40	Nominal diameter DN f f f f f	Conne Inlet f f f f	Ction type Outlet 20 40	Connec Inlet 20 40	tion size Outlet	Seal FKM EPDM	Options S17	Optional: fixed setting GA-SV	Quan- tity 5
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	g for improvi olvents such	ng the dry ru as e.g. CO2	ın properties									
NS												
Especially for gaseous O2 applications by employment of specific materials including oil- and grease free production process						FE S	Setting and	sealing				
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ENQUIRY

Copy and send to: order@goetze-armaturen.de.

Order form easily to be found online under the section for each series.

