Pressure reducing valves, article 237-VA

Diameter DN 20 up to DN 80


DN 20


DN 80

Pressure reducers find their application in piping systems where despite different pressures or pressure fluctuations at the input side a constant pressure on the output side is to be maintained.

This series of pressure reducers is suitable for liquid media and used as well as for air, gases and technical vapors.

The pressure setting can be performed without special tool via the spindle.
The extremely low pressure drop in the norm working range means a hardly perceptible loss of performance.

The flow direction is marked by the arrow on the body.
On both sides shutter screw G 1/4 " for manometer-connection.

Connections
both sids flange according to DIN EN 1092-2, pressure range PN 16 / 40 (Diameter dependent).

CE	Compliant with pressure equipment directive 97/23/EG
DVGW	up to 6 bar DVGW drinking water according to DIN 1988 authorized
T °C	ambient - 5° C ... +60° C
T °C	medium -10° C ... +95° C

valve design:

m	with diaphragm	High-quality, heat-resistant moulded elastomere, fabric-reinforced diaphragm. Pressure adjustment by means of non-rising spindle. Valve insert with balanced single seat valve completely made of stainless steel. Built in strainer made of stainless steel mesh size: DN 15 up to DN 32 0,60 mm DN 40 up to DN 100 0,75 mm	

medium:

GF	gaseous and liquid	for water and distilled water, neutral and non-sticking liquids, compressed air and neutral gases; optionally with FPM elastomere seals for non-neutral media i.e. oils, fuels, oil-laden compressed air etc.

outlet pressure ranges:

SP	Standard version	Inlet pressure up to 16 bar (PN16) or 40 bar (PN 40)	Outlet pressure from 1,0 up to 8,0 bar
HP	High-pressure design (not for DN 65, DN 80 and DN 100)	Inlet pressure up to 16 bar (PN16) or 40 bar (PN 40)	Outlet pressure from 5,0 up to 15,0 bar
LP	Low-pressure design (not for DN 65, DN 80 and DN 100)	Inlet pressure up to 16 bar (PN16) or 25 bar (PN 40)	Outlet pressure from 0,5 up to 2,0 bar

standard sealing materials:

EPDM	**(E)**	Ethylene-Propylene-Diene	Elastomere-shaped seal with metallic support up to 25 bar	-10°C bis +95°C
(Against surcharge) **FKM**	**(V)**	Fluorcarbon	Elastomere-shaped seal with metallic support up to 25 bar	-10° C bis +95°C

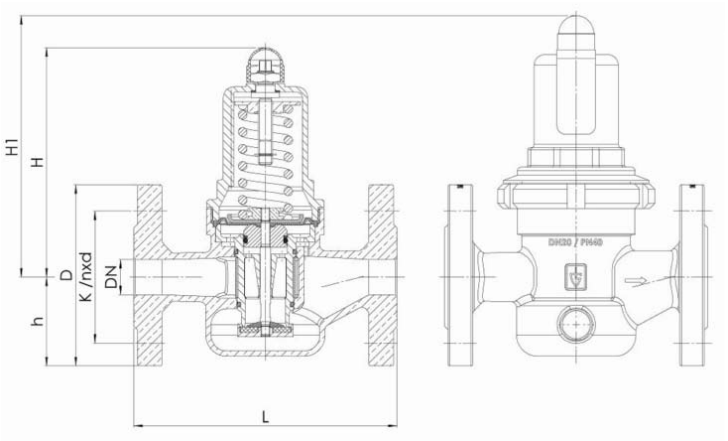
BSA-Armaturen GmbH
Einstein Ring 20
48599 Gronau
Tel.: 02562/70107-0
Fax: 02562/70107-11
E-mail : info@bsa-armaturen.de
Internet: www.bsa-armaturen.de

Pressure reducing valves, article 237-VA

Diameter DN 20 up to DN 80

article 237-VA

description	material
inlet body	stainless steel 1.4408 ASME CF8M
outlet body	stainless steel 1.4408 ASME CF8M
innerparts	stainless steel 1.4408 ASME CF8M
	stainless steel 1.4404 ASME 316 L
seal	EPDM
pressure spring	spring steel with anti-rust protection 1.1200
	ASTM A228
strainer	stainless steel 1.4301 ASTM A 182 (F304)
optionally	with FKM elastomer seal for not neutral
	media



standard design: inlet pressure up to 25 bar

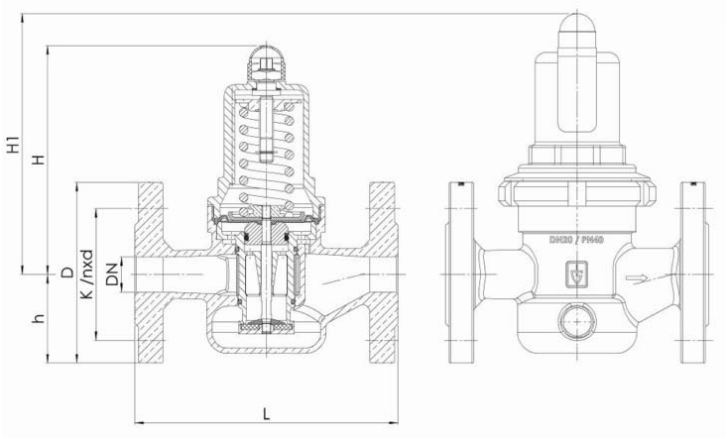
	Order-No.										
diameter	237-VA/SP **stainless steel**	L (mm)	H (mm)	h (mm)	D (mm)	K /nxd	Kv-value [m³/h]	max. power water [m³/h]	inlet pressure (bar)	outlet pressure (bar)	weight (kg)
DN 20	19.5006.6.13-SP	150	130	50	105	75 /4xM12	4,5 - 5,0	10	40,0	1 - 8	3,9
DN 25	19.5006.6.15-SP	160	130	55	115	85 /4xM12	6,2 - 7,8	16	40,0	1 - 8	4,3
DN 32	19.5006.6.18-SP	180	130	68	140	100 /4xM16	8,7 - 9,6	18	40,0	1 - 8	5,5
DN 40	19.5006.6.19-SP	200	165	73	150	110 /4xM16	12,0 - 14,0	30	40,0	1 - 8	8,4
DN 50	19.5006.6.21-SP	230	165	80	165	125 /4xM16	14,5 - 19,0	35	40,0	1 - 8	10,2
DN 65	19.5006.6.24-SP	290	235	89	185	145 /8xM16	30,0 - 47,0	60	40,0	1 - 8	19,0
DN 80	19.5006.6.25-SP	310	235	96	200	160 /8xM16	44,0 - 60,0	68	40,0	1 - 8	20,5

high-pressure design: inlet pressure up to 30 bar

	Order-No.										
diameter	237-VA/HP **stainless steel**	L (mm)	H (mm)	h (mm)	D (mm)	K /nxd	Kv-value [m³/h]	max. power water [m³/h]	outlet pressure (bar)	mesh size strainer (mm)	weight (kg)
DN 20	19.5006.6.13-HP	150	130	50	105	75 /4xM12	4,5 - 5,0	10	5 - 15	0,60	3,9
DN 25	19.5006.6.15-HP	160	130	55	115	85 /4xM12	6,2 - 7,8	16	5 - 15	0,60	4,3
DN 32	19.5006.6.18-HP	180	130	68	140	100 /4xM16	8,7 - 9,6	18	5 - 15	0,60	5,5
DN 40	19.5006.6.19-HP	200	165	73	150	110 /4xM16	12,0 - 14,0	30	5 - 15	0,75	8,4
DN 50	19.5006.6.21-HP	230	165	80	165	125 /4xM16	14,5 - 19,0	35	5 - 15	0,75	10,2

BSA-Armaturen GmbH
Einstein Ring 20
48599 Gronau
Tel.: 02562/70107-0
Fax: 02562/70107-11
E-mail : info@bsa-armaturen.de
Internet: www.bsa-armaturen.de

Pressure reducing valves, article 237-VA
Diameter DN 20 up to DN 80

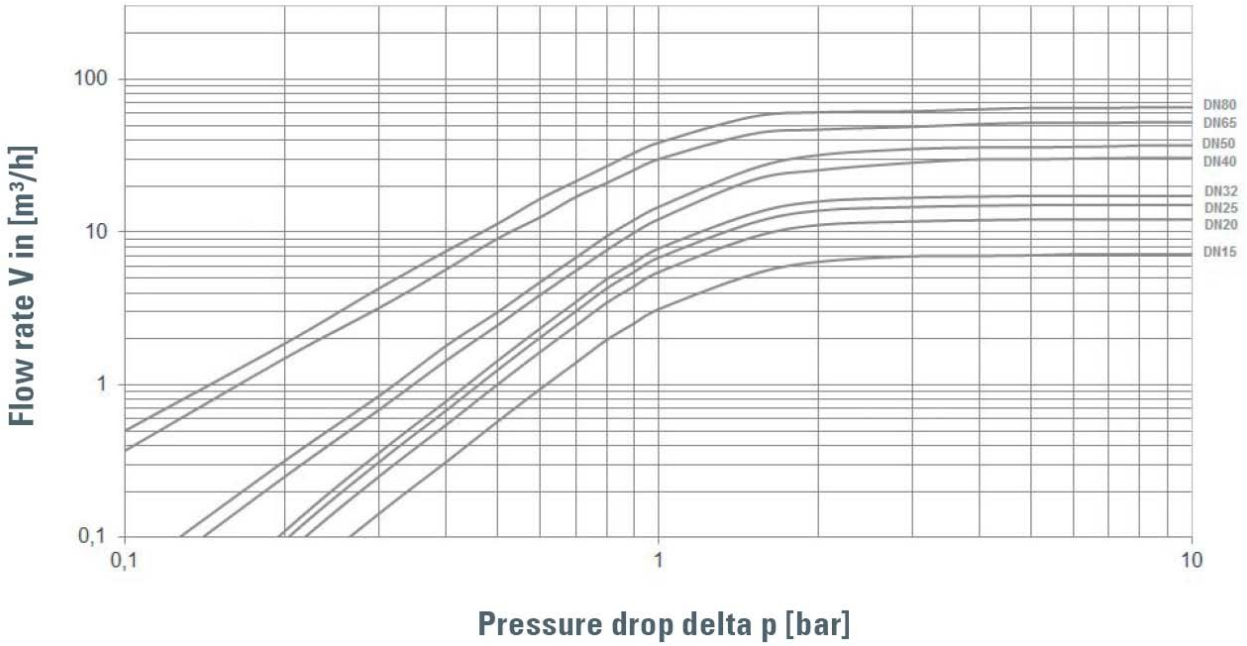


low-pressure design: inlet pressure up to 25 bar

	Order-no.										
diameter	237-VA/LP **stainless steel**	L (mm)	H1 (mm)	h (mm)	D (mm)	K /nxd	Kv-value [m³/h]	max. power water [m³/h]	outlet pressure (bar)	mesh size strainer (mm)	weight (kg)
DN 20	19.5006.6.13-LP	150	150	50	105	75 /4xM12	4,5 - 5,0	10	0,5 - 2	0,60	4,3
DN 25	19.5006.6.15-LP	160	150	55	115	85 /4xM12	6,2 - 7,8	16	0,5 - 2	0,60	4,7
DN 32	19.5006.6.18-LP	180	150	68	140	100 /4xM16	8,7 - 9,6	18	0,5 - 2	0,60	5,9
DN 40	19.5006.6.19-LP	200	185	73	150	110 /4xM16	12,0 - 14,0	30	0,5 - 2	0,75	9,1
DN 50	19.5006.6.21-LP	230	155	80	165	125 /4xM16	14,5 - 19,0	35	0,5 - 2	0,75	10,9

Dimensioning by pressure loss on the outlet side

Flow chart water



237-VA_ENG, Rev. 0