

Threaded Static Balance Valve

Fig. 8215

Stainless steel Body • Scale handwheel Drive • Measurement valve
• Threaded Type

Sizes 1/2" through 2"

SPECIFICATION

Design Standard: BS 7350

Connection Standard: ISO 228 (ISO7) / ANSI B 1.20.1

Test Standard: BS 6755

TECHNICAL DATA

Working Pressure: 25 bar

Sizes: DN15 ~ DN50

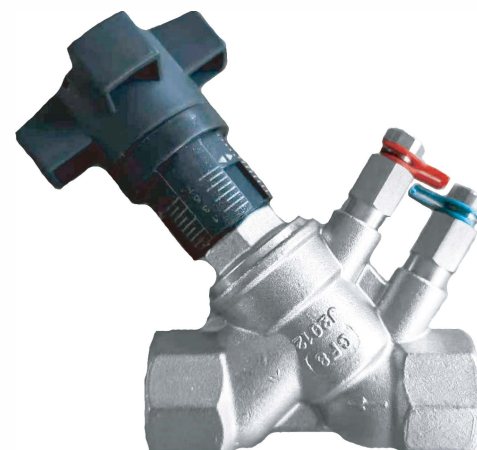
Test Pressure: Shell: 37.5 bar

Seat: 27.5 bar

Flow Deviation: ≤5%

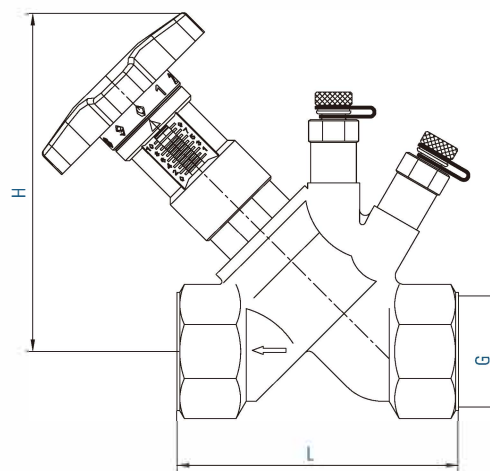
Working Temperature: -10°C to +120°C (at 21.8 bar)

≤100°C (at 25 bar)



MATERIAL LIST

Part	Material	Standard
Body	Stainless steel	CF8 / CF8M
Bonnet	Stainless steel	CF8 / CF8M
Stem	Stainless steel	SS 304 / SS316
Spool	Stainless steel	SS 304 / SS316
Seal	PTFE/EPDM	-
HandWheel	PA	-
Measuring	Stainless steel	SS 304 / SS316



DIMENSIONS

DN	mm	15	20	25	32	40	50
	inch	1/2	3/4	1	1-1/4	1-1/2	2
L		80	85	98	120	120	150
H		114	116	119	136	138	148
W		112	112	112	112	112	112
KVs (m³/h)		3.88	5.72	8.90	19.5	27.5	38.5

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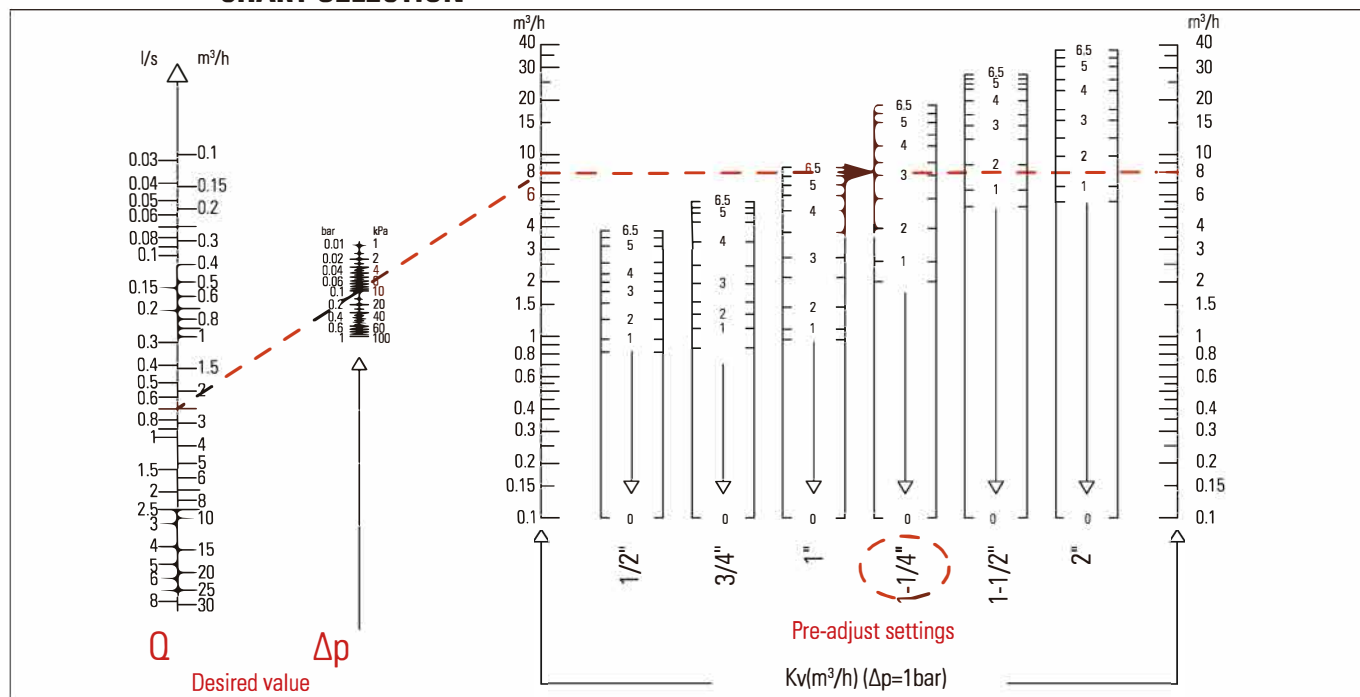
Threaded Static Balance Valve (continued)

Fig. 8215

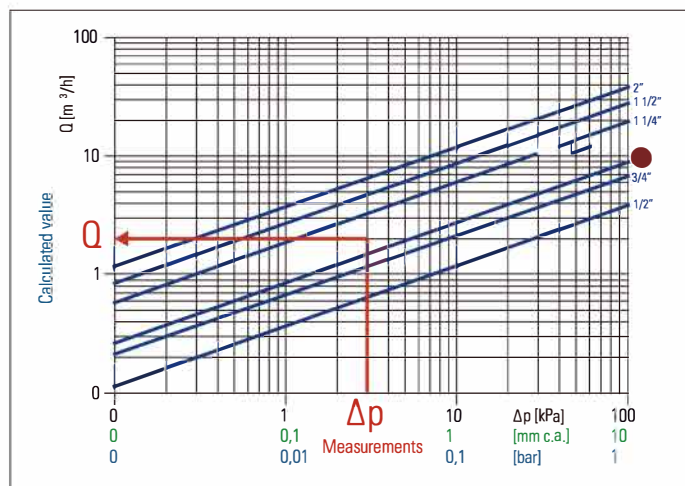
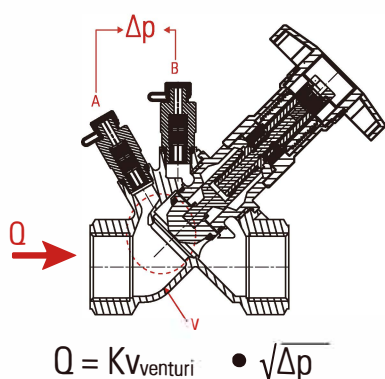
OPENING - KV VALUE

Size		Opening - Kv value											number of turns	
mm	Inch	0.5	1	1.5	2	2.5	3	3.5	4	4.5	5	5.5	6	6.5
15	1/2	0.83	1.05	1.26	1.41	1.64	1.84	1.97	2.13	2.46	3.00	3.36	3.61	3.88
20	3/4	0.85	0.90	1.07	1.29	1.54	1.88	2.27	3.00	4.11	4.64	4.99	5.30	5.72
25	1	0.93	1.25	1.60	1.87	2.51	3.18	3.97	4.95	6.18	6.69	7.57	8.16	8.90
32	1-1/4	2.09	3.30	4.31	5.73	7.48	8.70	10.00	11.85	13.92	15.78	17.17	18.89	19.50
40	1-1/2	5.10	6.94	9.32	11.24	13.07	15.06	17.46	19.61	22.64	23.96	25.24	26.13	27.50
50	2	5.69	7.75	10.19	12.11	14.32	16.73	19.17	22.22	26.63	29.39	32.67	35.70	38.50

CHART SELECTION



FLOW CALCULATIONS



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