

Threaded Static Balancing Valve

Fig. 8211

Specification

Design in accordance with BS 7350

Thread comply with BS 2779 / ISO228(1/2" ~ 3/4")

BS 10266 / ISO228(1" ~ 2")

Pressure test according to standards BS6755 , GB/T13927

Technical data

Working Pressure: 25bar

Size range: DN15~DN50

Testing Pressure: Shell: 37.5 bar

Seal: 27.5 bar

Working Temperature: - 10°C~120°C(21.8bar)

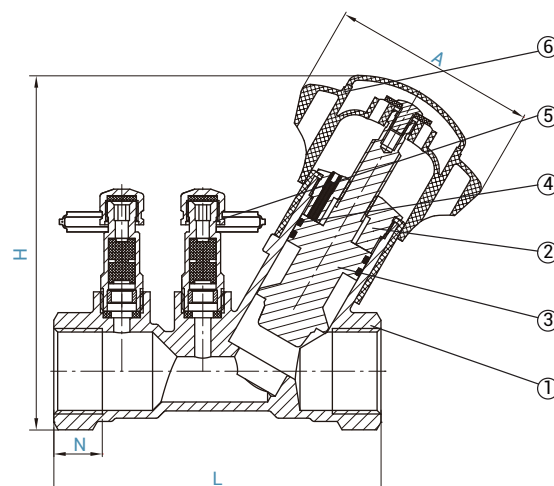
(25Bar 100°C)

Schema



Materials

Part	Material	Specification
Body	Brass	BS EN12165 CW617N
Bonnet	Brass	BS EN12165 CW617N
Stem	Brass	BS EN12165 CW617N
O-Ring	EPDM	
Testing valve	Brass	BS EN12165 CW617N
Wheel	Plastic	PC+ABS



Dimensions

DN	mm	15	20	25	32	40	50
	inch	1/2	3/4	1	1-1/4	1-1/2	2
L		94.5	101	110	120	140	154
H		90	90	90	94	127	127
A		63	63	63	63	63	63
Flow Kv		2.7	5.5	7.0	9.5	18.5	25.5
Kvs		4.0	7.5	11	13.5	24	31

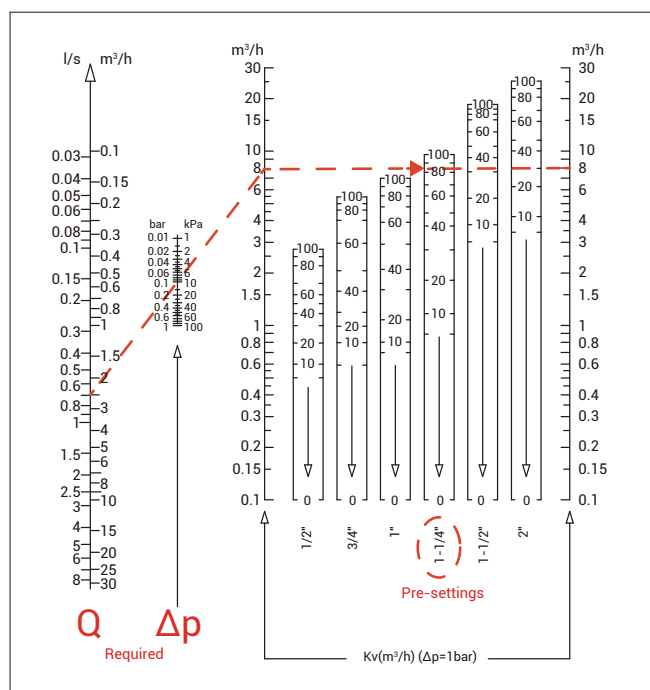
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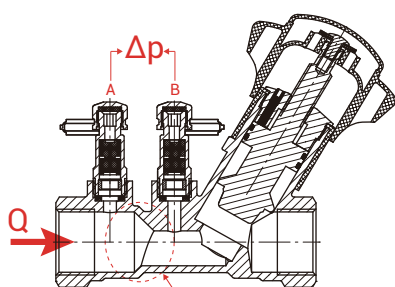
Opening-Kv

Size		Opening-Kv																	
mm	Inch	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90
15	1/2	0.53	0.63	0.73	0.83	0.92	0.98	1.09	1.19	1.28	1.33	1.41	1.48	1.59	1.71	1.99	2.18	2.34	2.48
20	3/4	0.62	0.75	0.85	0.96	1.10	1.24	1.39	1.58	1.81	2.00	2.37	2.88	3.50	3.95	4.35	4.57	4.80	5.00
25	1	0.64	0.83	0.98	1.14	1.37	1.47	1.81	2.14	2.50	2.92	3.32	3.89	4.29	4.86	5.03	5.49	5.95	6.25
32	1-1/4	0.73	1.21	1.53	1.79	2.21	2.66	3.25	3.69	4.04	4.39	4.89	5.50	5.86	6.46	7.05	7.60	7.97	8.55
40	1-1/2	3.02	3.84	4.67	5.80	6.74	7.56	8.41	9.18	10.13	11.21	12.28	13.19	14.29	15.23	15.84	16.4	16.98	17.35
50	2	3.36	4.18	5.13	6.24	7.26	8.02	8.99	9.98	11.08	12.06	13.33	14.72	16.53	17.64	18.95	19.98	21.64	23.21

Selection Chart



Flow Calculations



$$Q = K_{v_{venturi}} \cdot \sqrt{\Delta p}$$

