

MANUAL BALANCING VALVE

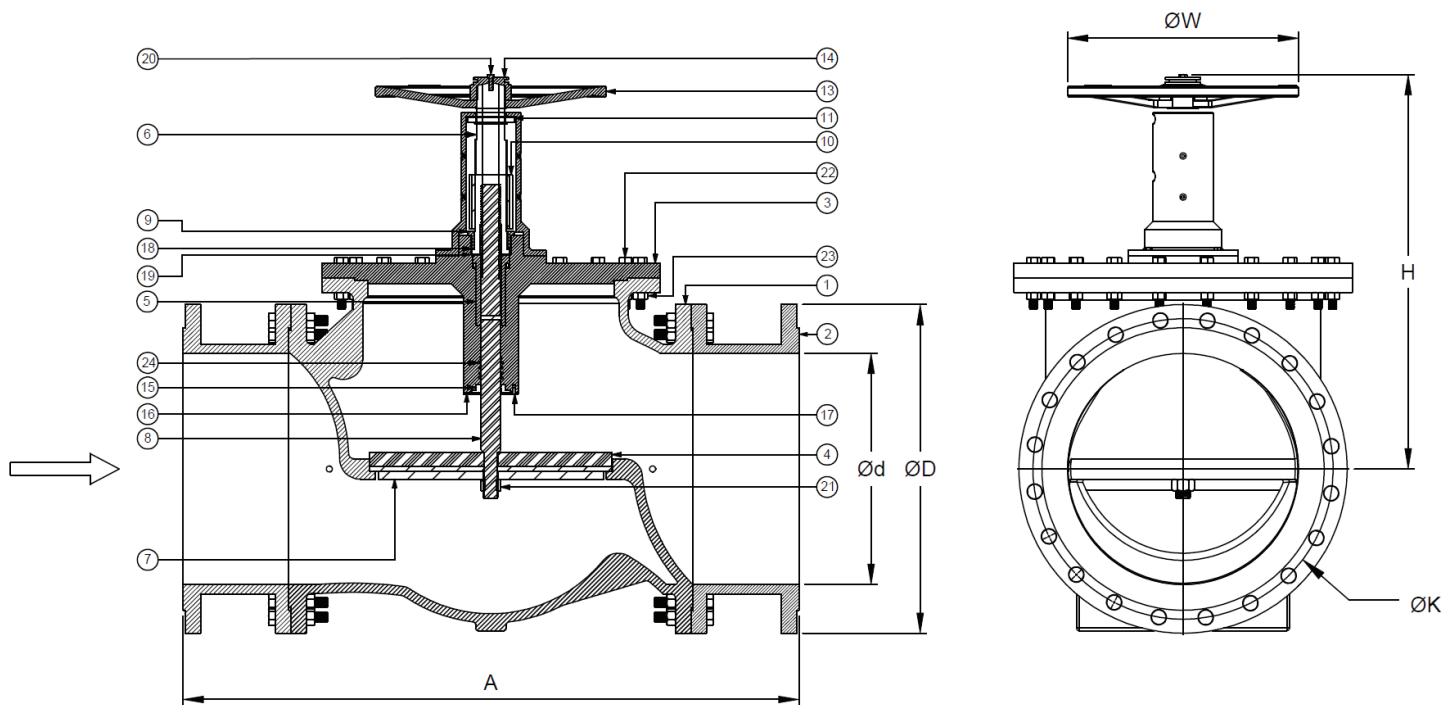
Flanged, PN-16

The balancing Valve is designed for double regulating, control and shut off valve with built-in pressure drop measuring facility.

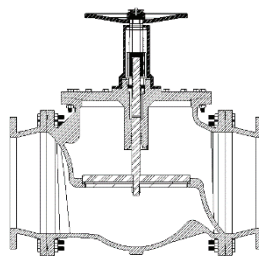


PRODUCT DATA

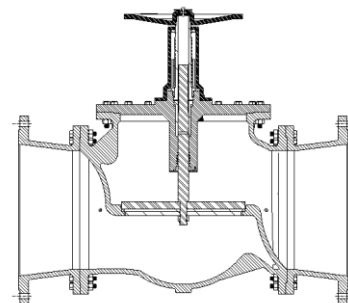
FEATURES	
SIZE	DN400 – DN600
BODY	Ductile Iron
SEAT	EPDM
CONNECTION TYPE	Flanged End
Tight shut-off type	
No visible leakage	
SPECIFICATIONS	
MEDIUM TEMP	-10°C to 110°C
MEDIUM	Water
NOMINAL PRESSURE	PN16
STANDARDS AND CODES	
DESIGN STD	BS 7350
FACE TO FACE	BS:5152
FLANGE STD.	ISO 7005-2
HYDROSTATIC TEST PRESSURE	
SHELL TEST	24 Bar
SEAT TEST	17.6 Bar
DIRECTION OF FLOW	
Direction of the flow is marked on the valve body by an arrow.	



General view of DN450



General view of DN400



General view of DN500 -600

PART DESCRIPTIONS

SR. NO.	NAME	MATERIAL	SPECIFICATION	QTY
1	BODY	DUCTILE IRON	IS:1865 Gr. 400/15	1
2	EXTENSION	DUCTILE IRON	IS:1865 Gr. 400/15	2
3	BONNET	DUCTILE IRON	IS:1865 Gr. 400/15	1
4	DISC	MILD STEEL/S.S+ REPLACEABLE EPDM	IS:2062/ASTM A276 TYPE SS-304+ REPLACEABLE EPDM	1
5	GUIDE	MILD STEEL	IS 2062	1
6	BALANCING NUT	MILD STEEL	-----	1
7	WEIGHT PLATE	CAST IRON	IS:210 Gr. FG200	1
8	STEM	STAINLESS STEEL	ASTM A276 Gr. SS 410	1

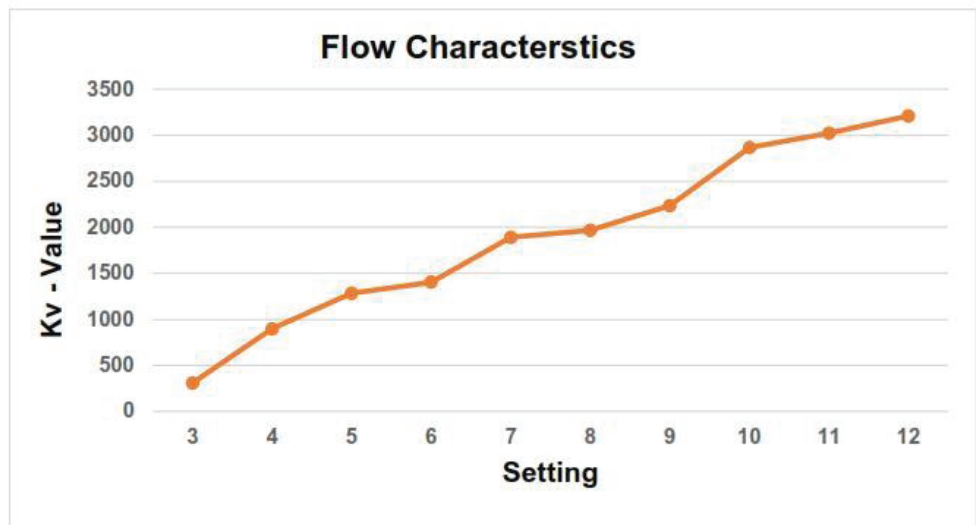
9	CHECKNUT	BRASS	-----	1
10	SCALE 1	CAST IRON	IS:210 Gr. FG200	1
11	SCALE 2	CAST IRON	IS:210 Gr. FG200	1
12	COVER	DUCTILE IRON	IS:1865 Gr. 400/15	1
13	HAND WHEEL	DUCTILE IRON	IS:1865 Gr. 400/15	1
14	HANDWHEEL NUT	DUCTILE IRON	IS:1865 Gr. 400/15	1
15	RUBBER SEAL	RUBBER	EPDM	1
16	BONNET WASHER	STAINLESS STEEL	ASTM A276 Gr. SS 410	1
17	BONNET WASHER SCREW	STAINLESS STEEL	ASTM A276 Gr. SS 410	2
18	STEM WASHER	STAINLESS STEEL	ASTM A276 Gr. SS 410	1
19	WASHER	STAINLESS STEEL	ASTM A276 Gr. SS 410	1
20	TOP BOLT	STAINLESS STEEL	-----	1
21	STEM NUT	MILD STEEL	-----	1
22	BODY BOLT	MILD STEEL	-----	60
23	BODY NUT	MILD STEEL	-----	60
24	O-RING	RUBBER	EPDM	0

OUTSIDE DIMENSIONS (MM)

SIZE	DN400	DN450	DN500	DN600
FACE TO FACE (A±3.5)	1100	1200	1250	1450
MAX HEIGHT (H)	790	790	790	790
FLANGE DIA (ØD +4.5/-4.0)	580	640	715	840
BODY ID (Ød)	400	450	500	600
FLANGE PCD (ØK)	525	585	650	770
FLANGE HOLE	16	20	20	20
FLANGE HOLE DIA	31	31	34	37
WHEEL DIA (ØW±5)	450	450	450	450

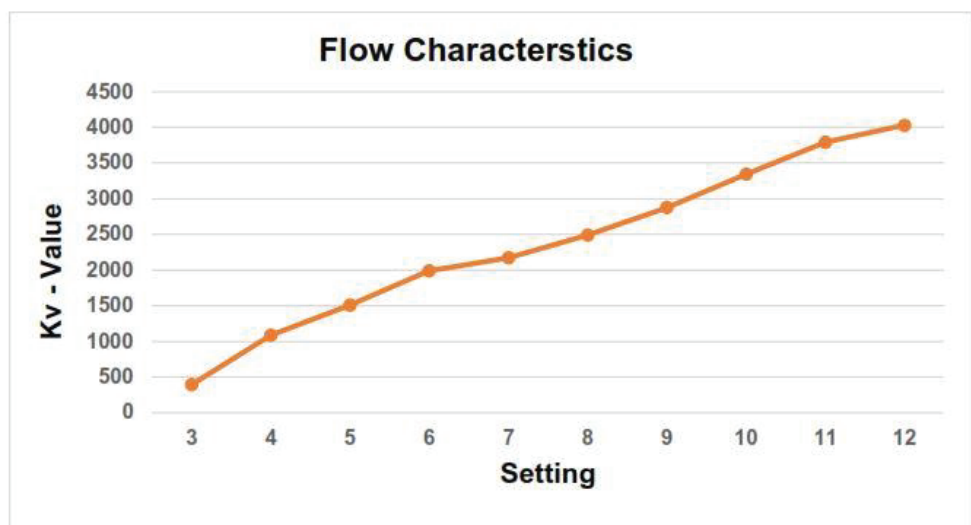
Balancing Valve DN400 / PN16

Setting	Kv value (m3/h)
3	310
4	898
5	1285
6	1405
7	1890
8	1967
9	2232
10	2865
11	3021
12	3209



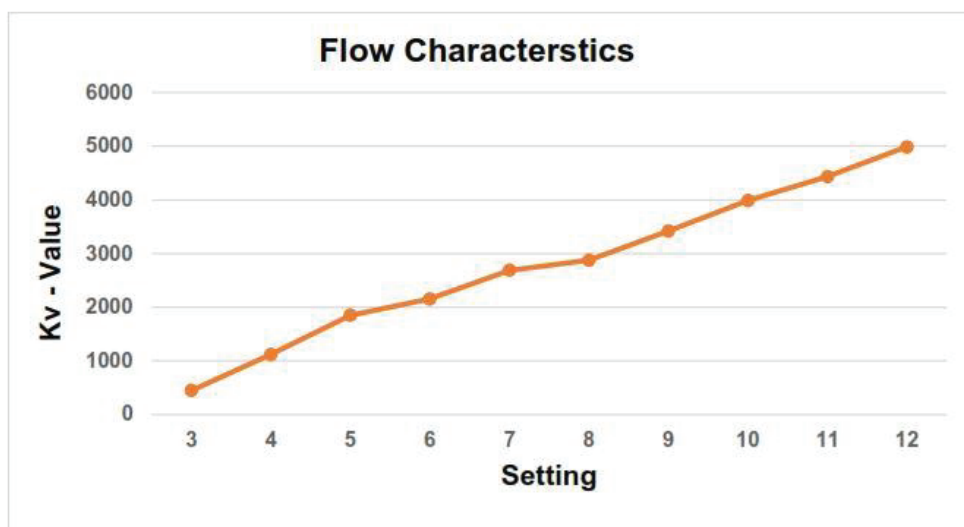
Balancing Valve DN450 / PN16

Setting	Kv value (m3/h)
3	395
4	1087
5	1507
6	1990
7	2172
8	2488
9	2874
10	3345
11	3789
12	4030



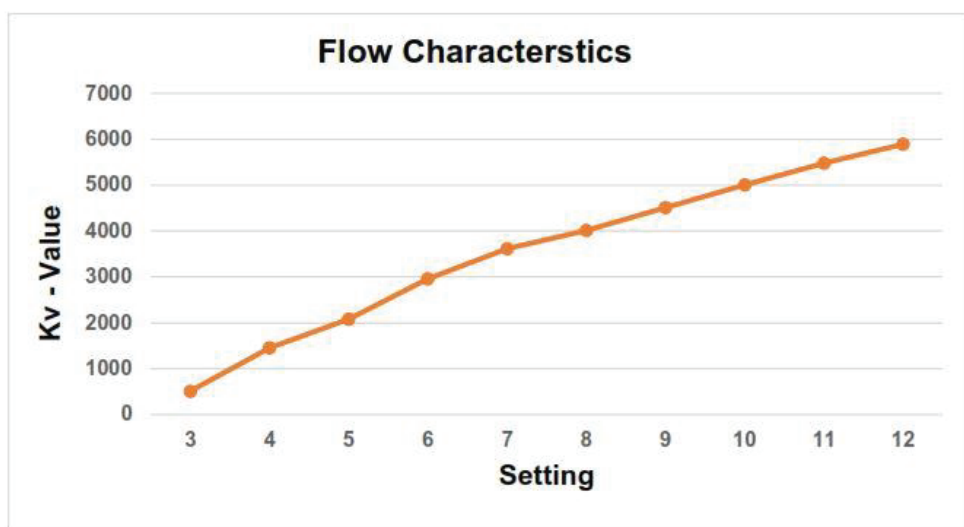
Balancing Valve DN500 / PN16

Setting	Kv value (m3/h)
3	448
4	1120
5	1849
6	2153
7	2690
8	2876
9	3421
10	3987
11	4432
12	4987



Balancing Valve DN600 / PN16

Setting	Kv value (m3/h)
3	510
4	1453
5	2076
6	2960
7	3612
8	4007
9	4513
10	5002
11	5472
12	5890



MODEL TABLE FOR MS DISC

SIZE	MODEL NUMBER	DESCRIPTION
DN400	V4-BLV-GP16-G400	Manual Balancing Valve, Hand wheel Operated, DI Body, MS Disc, PN16, DN400
DN450	V4-BLV-GP16-G450	Manual Balancing Valve, Hand wheel Operated, DI Body, MS Disc, PN16, DN450
DN500	V4-BLV-GP16-G500	Manual Balancing Valve, Hand wheel Operated, DI Body, MS Disc, PN16, DN500
DN600	V4-BLV-GP16-G600	Manual Balancing Valve, Hand wheel Operated, DI Body, MS Disc, PN16, DN600

MODEL TABLE FOR SS DISC

SIZE	MODEL NUMBER	DESCRIPTION
DN400	V4-BLV-GP16-G400-2	Manual Balancing Valve, Hand wheel Operated, DI Body, SS Disc, PN16, DN400
DN450	V4-BLV-GP16-G450-2	Manual Balancing Valve, Hand wheel Operated, DI Body, SS Disc, PN16, DN450
DN500	V4-BLV-GP16-G500-2	Manual Balancing Valve, Hand wheel Operated, DI Body, SS Disc, PN16, DN500
DN600	V4-BLV-GP16-G600-2	Manual Balancing Valve, Hand wheel Operated, DI Body, SS Disc, PN16, DN600

For more information,

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