

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	DN50 - DN350
BODY	Cast Iron
SEAT	EPDM
CONNECTION TYPE	Flanged End
DISC	S.S
Tight shut-off type	

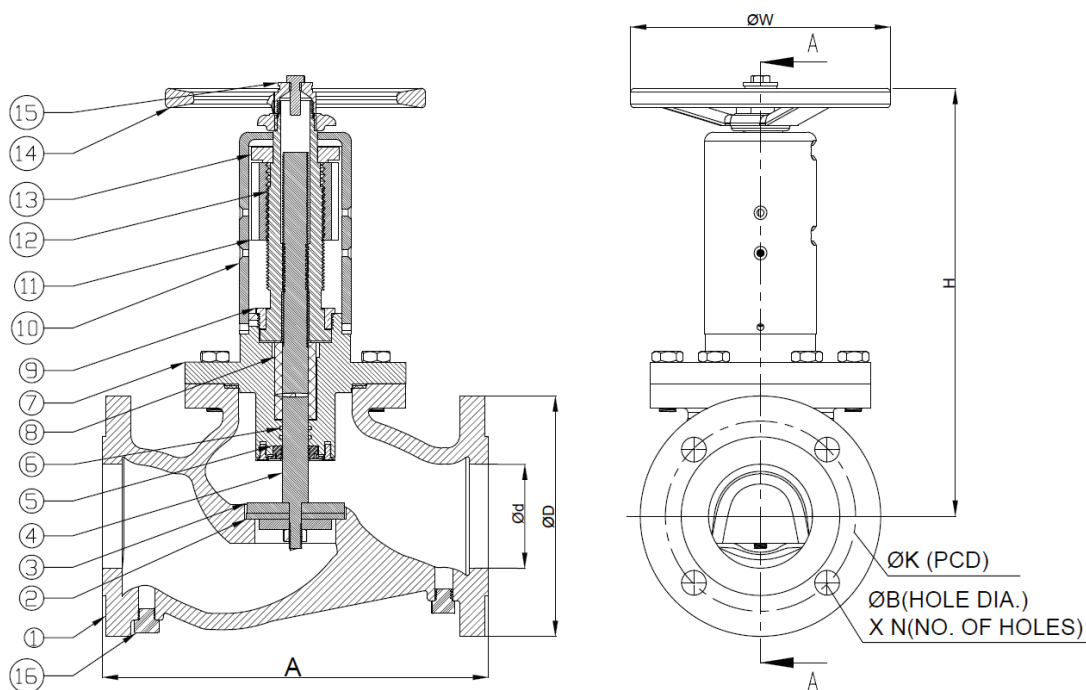
No visible leakage

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	



SECTION A-A

PART DESCRIPTIONS

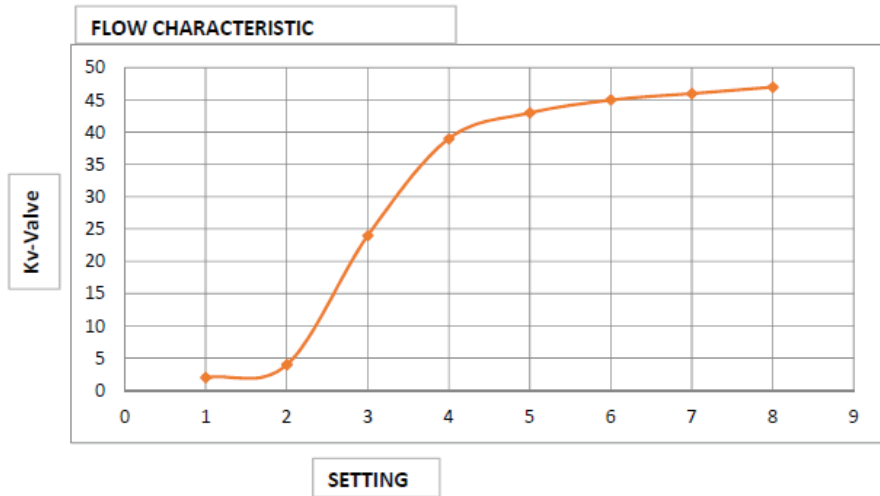
SR. NO.	NAME	MATERIAL	SPECIFICATION	QTY
1	BODY	CAST IRON	IS:210 Gr. FG200	1
2	SEAT PACKING	RUBBER	EPDM	1
3	DISC	S.S	ASTM A276 TYPE SS-304 + REPLACEABLE EPDM	1
4	STEM	STAINLESS STEEL	ASTM A276 Gr, SS 410	1
5	SEAL	RUBBER	EPDM	1
6	O-RING	RUBBER	EPDM	3
7	BONNET	CAST IRON	IS:210 Gr. FG200	1
8	GUIDE	NYLON	-----	1
9	CHECKNUT	BRASS	-----	1
10	COVER	CAST IRON	IS:210 Gr. FG200	1
11	SCALE 1	CAST IRON	IS:210 Gr. FG200	1
12	BALANCING NUT	MILD STEEL	-----	1
13	SCALE-2	CAST IRON	IS:210 Gr. FG200	1
14	HANDWHEEL	CAST IRON	IS:210 Gr. FG200	1
15	NUT	CAST IRON	IS:210 Gr. FG200	1
16	PLUG	MILD STEEL	-----	2
17	NAMEPLATE	ALUMINIUM	-----	1

OUTSIDE DIMENSIONS (mm)

SIZE	50	65	80	100	125	150	200	250	300	350
FACE TO FACE (A±3.5)	230	290	310	350	400	480	600	730	850	980
MAX HEIGHT (H)	350	350	365	375	425	425	500	500	600	600
BODY ID (Ød)	50	65	80	100	125	150	200	250	300	350
FLANGE OD (ØD +4.5/-4.0)	165	185	200	220	250	285	340	405	460	520
FLANGE PCD (ØK)	125	145	160	180	210	240	295	355	410	470
NO. OF HOLE(N)	4	4	8	8	8	8	12	12	12	16
FLANGE HOLE DIA(B)	19	19	19	19	19	23	23	28	28	28
WHEEL DIA (ØW±5)	200	200	200	200	300	300	300	300	300	300

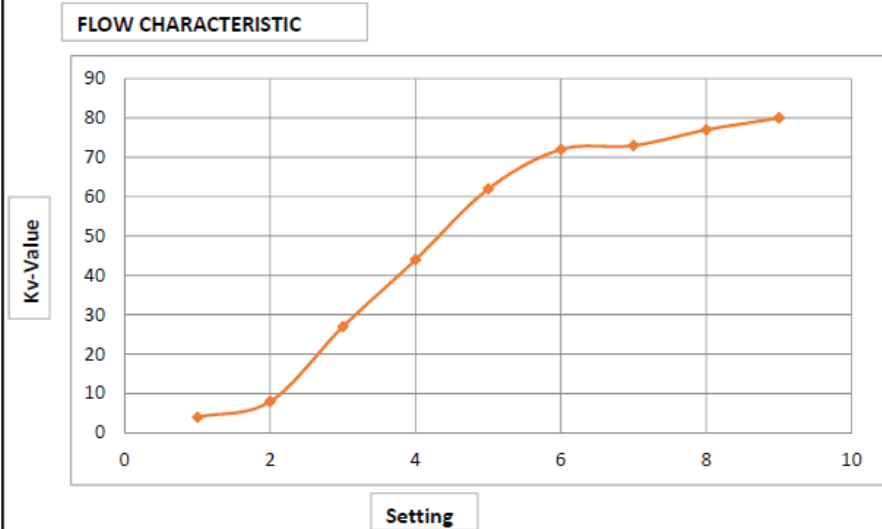
Balancing Valve DN50 / PN16

Setting	Kv-value (m ³ /h)
1	2
2	4
3	24
4	39
5	43
6	45
7	46
8	47



Balancing Valve DN65 / PN16

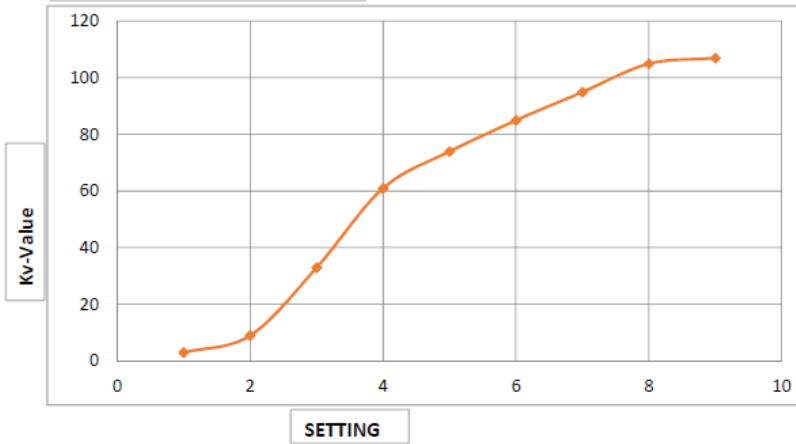
Setting	Kv-value (m ³ /h)
1	4
2	8
3	27
4	44
5	62
6	72
7	73
8	77
9	80



Balancing Valve DN80 / PN16

Setting	Kv-value (m ³ /h)
1	3
2	9
3	33
4	61
5	74
6	85
7	95
8	105
9	107

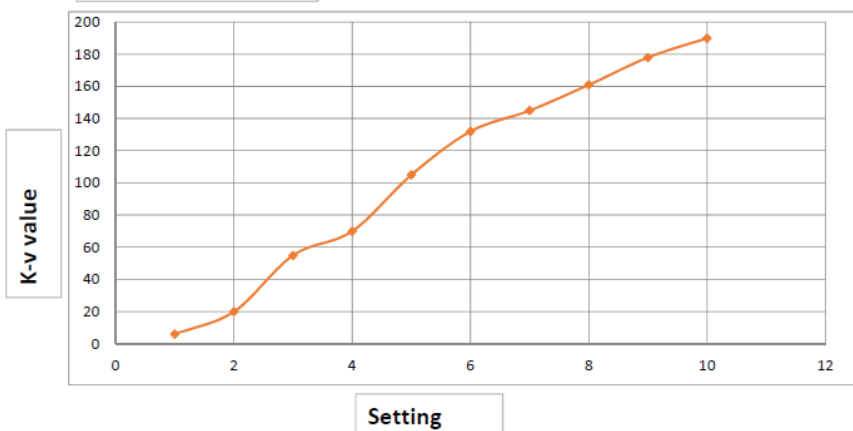
FLOW CHARACTERISTIC



Balancing Valve DN100 / PN16

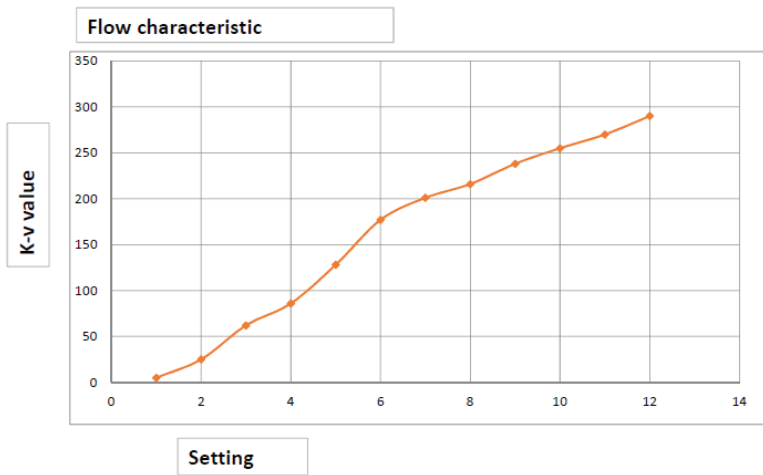
Setting	Kv-value (m ³ /h)
1	6
2	20
3	55
4	70
5	105
6	132
7	145
8	161
9	178
10	190

Flow characteristic



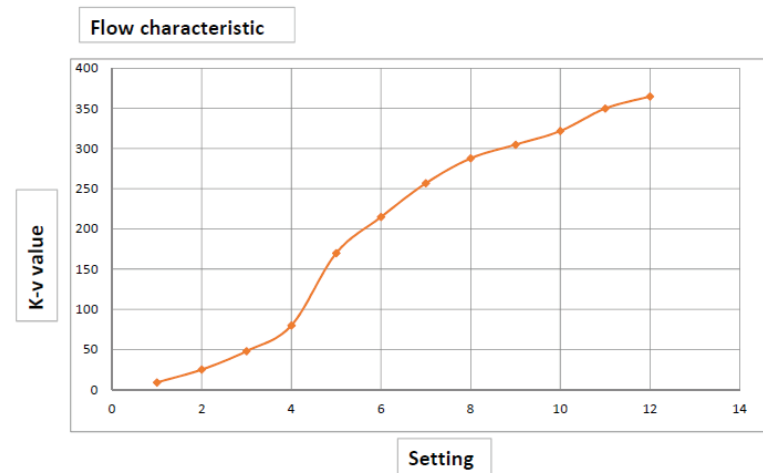
Balancing Valve DN125 / PN16

Setting	Kv-value (m ³ /h)
1	5
2	25
3	62
4	86
5	128
6	177
7	201
8	216
9	238
10	255
11	270
12	290



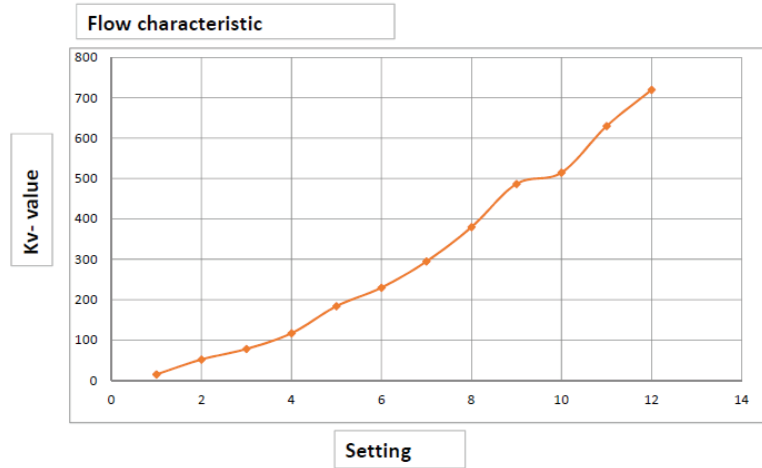
Balancing Valve DN150 / PN16

Setting	Kv-value (m ³ /h)
1	9
2	25
3	48
4	80
5	170
6	215
7	257
8	288
9	305
10	322
11	350
12	365



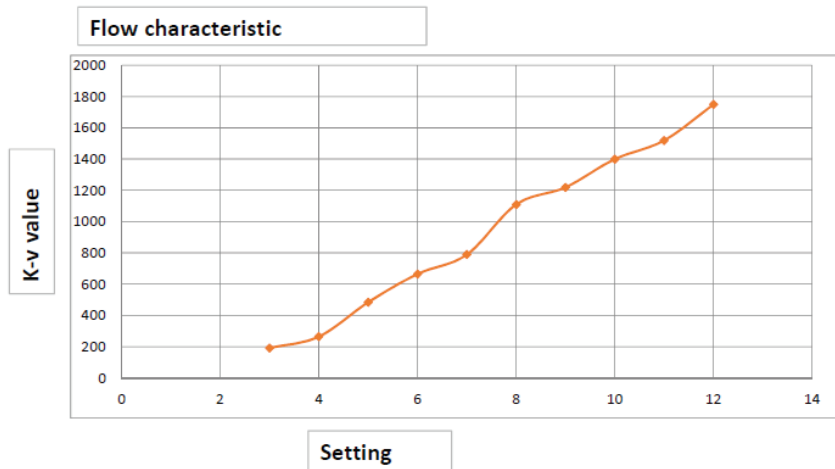
Balancing Valve DN200 / PN16

Setting	Kv-value (m ³ /h)
1	15
2	52
3	78
4	117
5	184
6	230
7	295
8	380
9	487
10	515
11	630
12	720



Balancing Valve DN250 / PN16

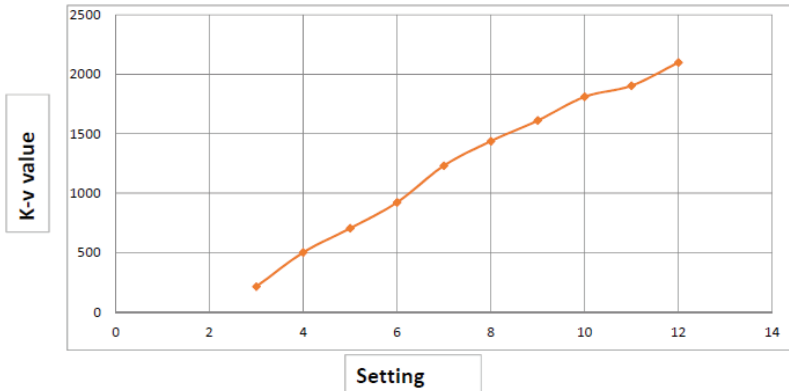
Setting	Kv-value (m ³ /h)
3	192
4	265
5	485
6	665
7	790
8	1110
9	1220
10	1400
11	1520
12	1750



Balancing Valve DN300 / PN16

Setting	Kv-value (m ³ /h)
3	215
4	502
5	705
6	923
7	1232
8	1438
9	1612
10	1811
11	1905
12	2100

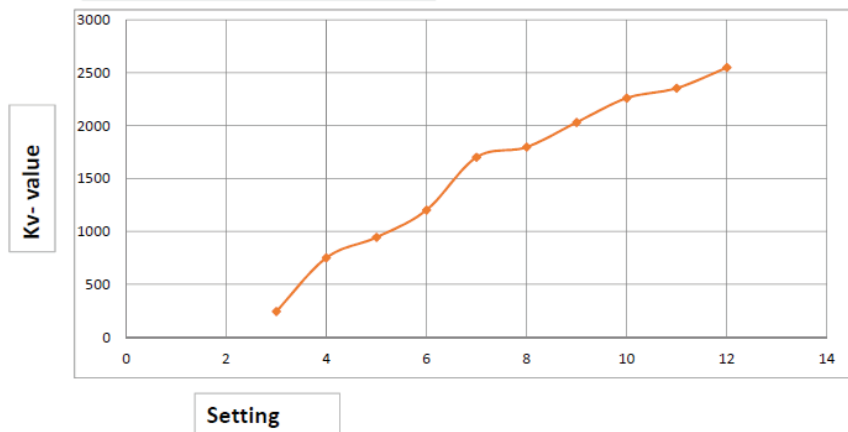
Flow characteristic



Balancing Valve DN350 / PN16

Setting	Kv-value (m ³ /h)
3	245
4	752
5	945
6	1203
7	1702
8	1798
9	2032
10	2261
11	2355
12	2550

Flow characteristic



MODEL TABLE FOR SS DISC

SIZE	MODEL NUMBER	DESCRIPTION
DN50	V4-BLV-GP16-G050-2	DN50 Static Balancing valve, Hand Wheel, CI valve body, SS disc, PN16
DN65	V4-BLV-GP16-G065-2	DN65 Static Balancing valve, Hand Wheel, CI valve body, SS disc, PN16
DN80	V4-BLV-GP16-G080-2	DN80 Static Balancing valve, Hand Wheel, CI valve body, SS disc, PN16
DN100	V4-BLV-GP16-G100-2	DN100 Static Balancing valve, Hand Wheel, CI valve body, SS disc, PN16
DN125	V4-BLV-GP16-G125-2	DN125 Static Balancing valve, Hand Wheel, CI valve body, SS disc, PN16
DN150	V4-BLV-GP16-G150-2	DN150 Static Balancing valve, Hand Wheel, CI valve body, SS disc, PN16
DN200	V4-BLV-GP16-G200-2	DN200 Static Balancing valve, Hand Wheel, CI valve body, SS disc, PN16
DN250	V4-BLV-GP16-G250-2	DN250 Static Balancing valve, Hand Wheel, CI valve body, SS disc, PN16
DN300	V4-BLV-GP16-G300-2	DN300 Static Balancing valve, Hand Wheel, CI valve body, SS disc, PN16
DN350	V4-BLV-GP16-G350-2	DN350 Static Balancing valve, Hand Wheel, CI valve body, SS disc, PN16

For more information,

<https://honeywellbuildings.in>

Tel: +91 124 4975000

Email: BuildingAutomation.BMSIndia@honeywell.com

Honeywell Building Automation

Unitech Trade Center, 5th Floor, Sector-43,

Block C, Sushant Lok Phase - I,

Gurgaon - 122 002, Haryana, India

<https://www.honeywellbuildings.in/>

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