Manual Balancing Valve

PRODUCT DATA



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

FEATURES

- Size : DN50 - DN350
- Body: Cast Iron
- Seat: EPDM
- Connection Type: Flanged End

SPECIFICATIONS

- Medium Temp : -10℃ to 110℃
- Medium: Water
- Nominal Pressure: PN16

STANDARDS AND CODES

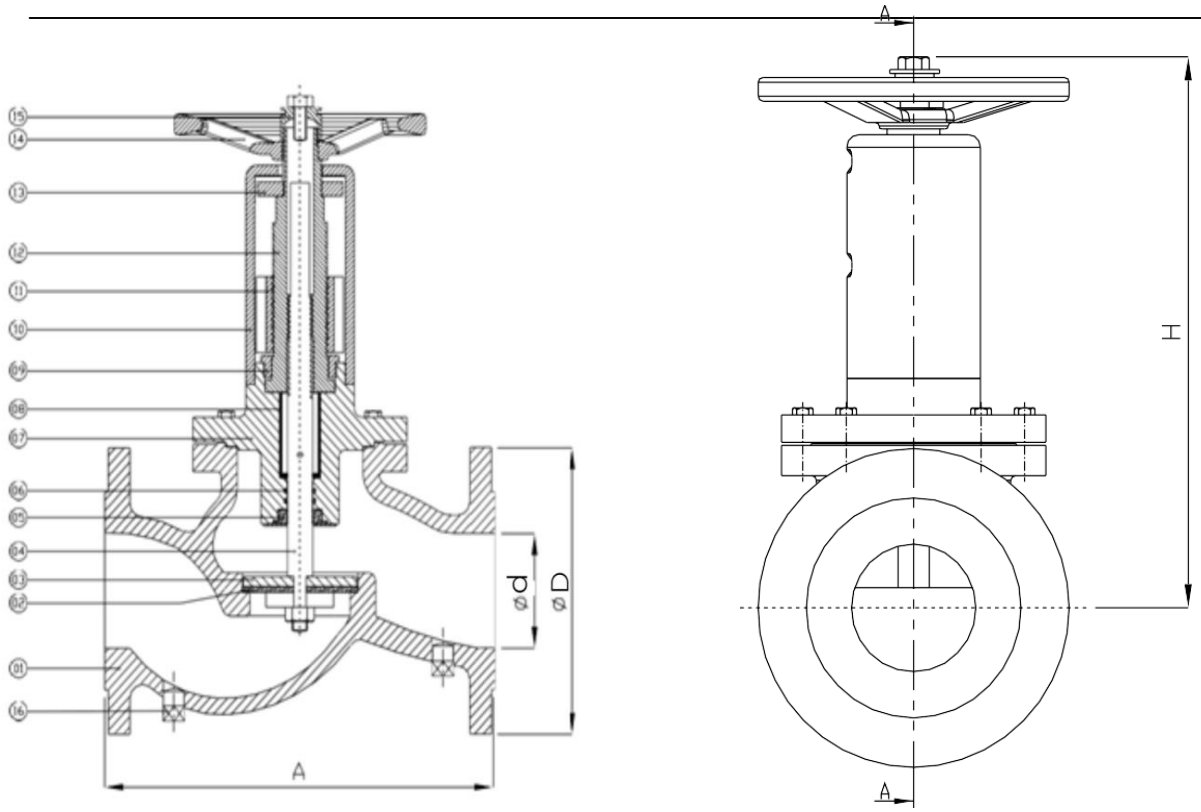
- Face to Face : BS:5152
- Flange Std. : ISO 7005-2

TEST PRESSURE

- Shell Test : 18 Bar
- Seat Test : 16 Bar

DIRECTION OF FLOW

- Direction of the flow is marked on the valve body by an arrow.



Part Descriptions

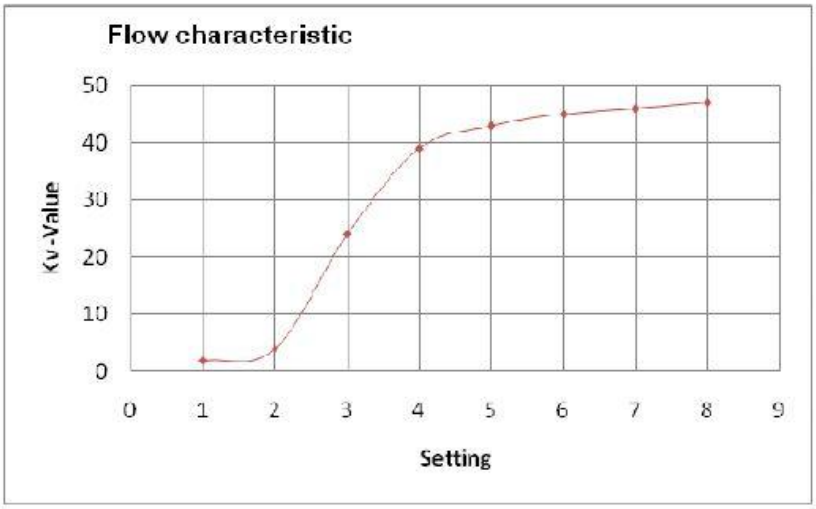
PT No.	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16
Parts	Body	Seat	Disc	Stem	Seal	O-Ring	Bonnet	Guide	Check Nut	Cover	Scale-1	Balancing Nut	Scale-2	Hand Wheel	Nut	Plug
Material	CAST IRON	RUBBER	M.S.	SS410	RUBBER	RUBBER	CAST IRON	Nylon/ M.S.	Brass	CAST IRON	CAST IRON	M.S.	CAST IRON	CAST IRON	CAST IRON	M.S
Specification	IS:210 Gr FG200	EPDM	-----.	ASTM A276 Gr, SS410	EPDM	EPDM	IS:210 Gr FG200	PTFE	LTB-2	IS:210 Gr FG200	IS:210 Gr FG200	-----	IS:210 Gr FG200	IS:210 Gr FG200	IS:210 Gr FG200	-----
Qty	1	1	1	1	1	3	1	1	1	1	1	1	1	1	1	2

Outside Dimensions (mm)

SIZE	50	65	80	100	125	150	200	250	300	350
A	230	290	310	350	400	480	600	730	850	980
H (Max)	350	350	365	375	425	425	500	500	600	600
Φd	50	65	80	100	125	150	200	250	300	350
ΦD	165	185	200	220	250	285	340	405	460	520
PCD	125	145	160	180	210	240	295	355	410	470
No. of Holes	4	4	8	8	8	8	12	12	12	16
Hole Dia	19	19	19	19	19	23	23	28	28	28
Wheel Dia	200	200	200	200	300	300	300	300	300	300

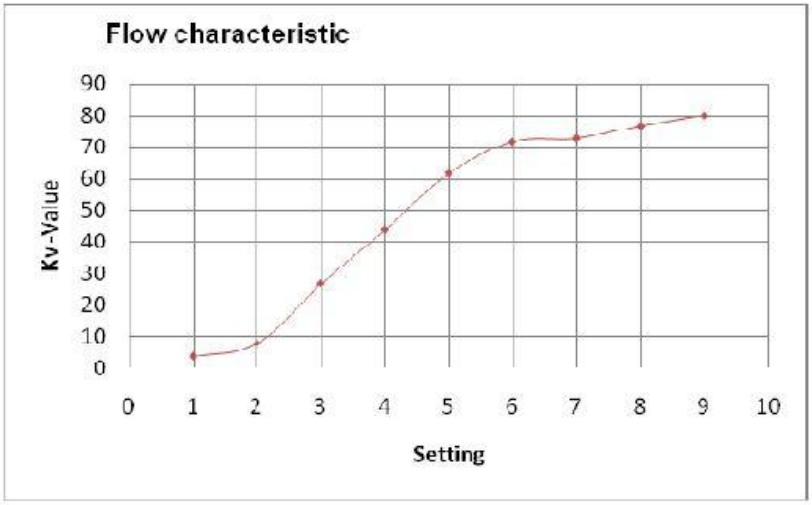
Balancing Valve DN50/PN16

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



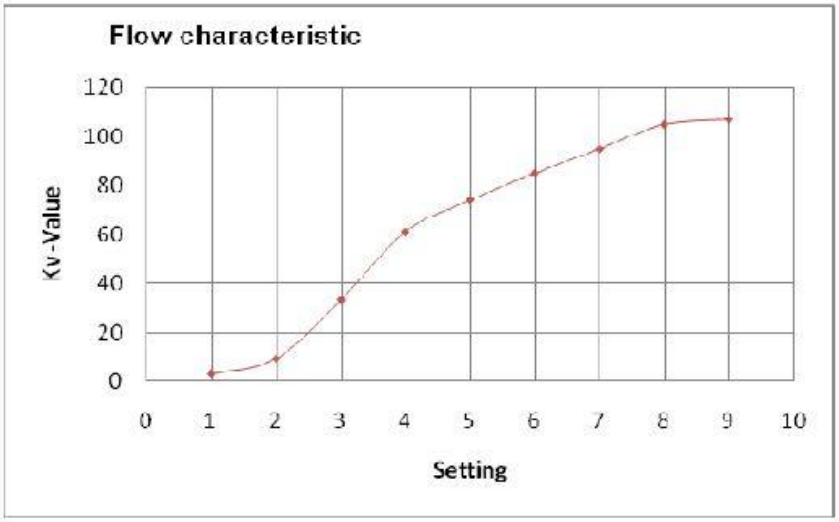
Balancing Valve DN65/PN16

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



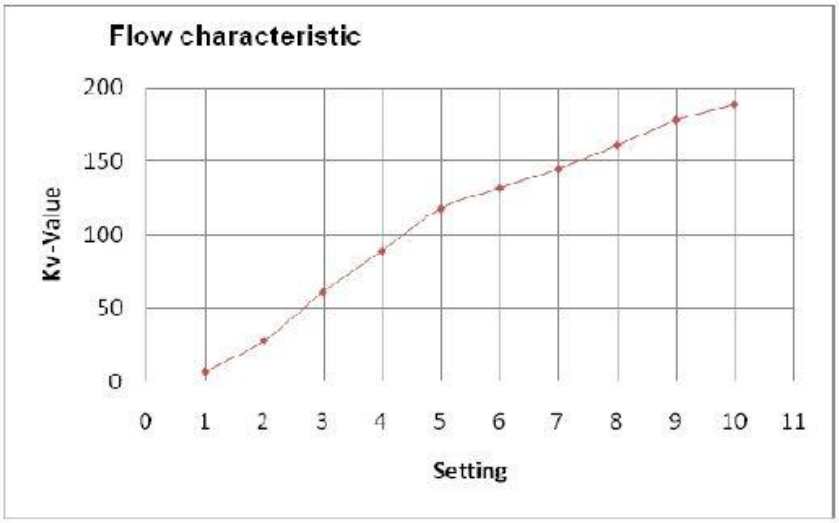
Balancing Valve DN80/PN16

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



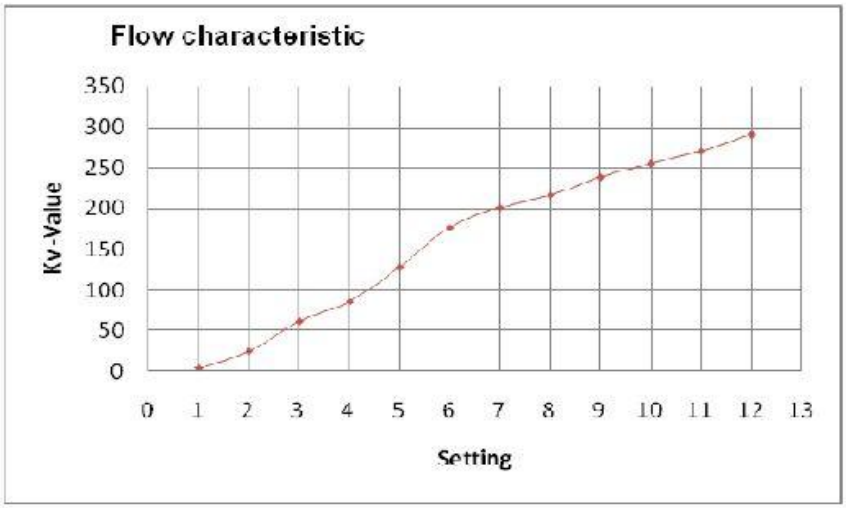
Balancing Valve DN100/PN16

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



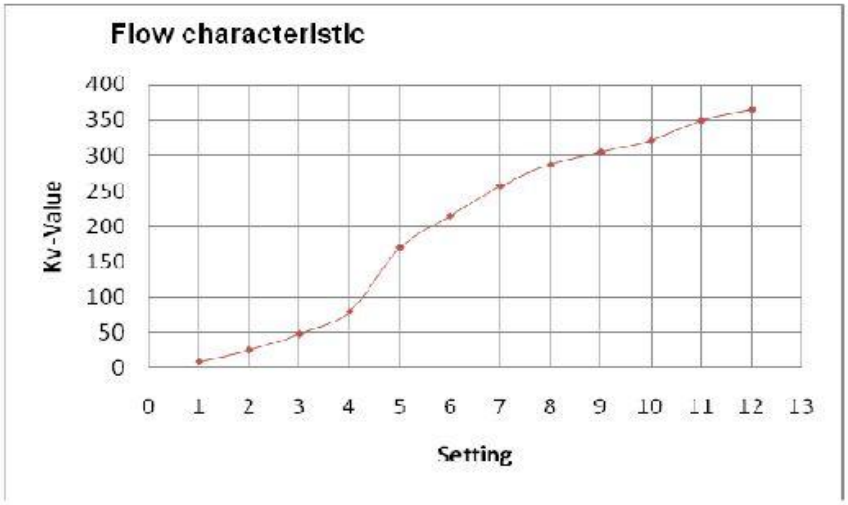
Balancing Valve DN125/PN16

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



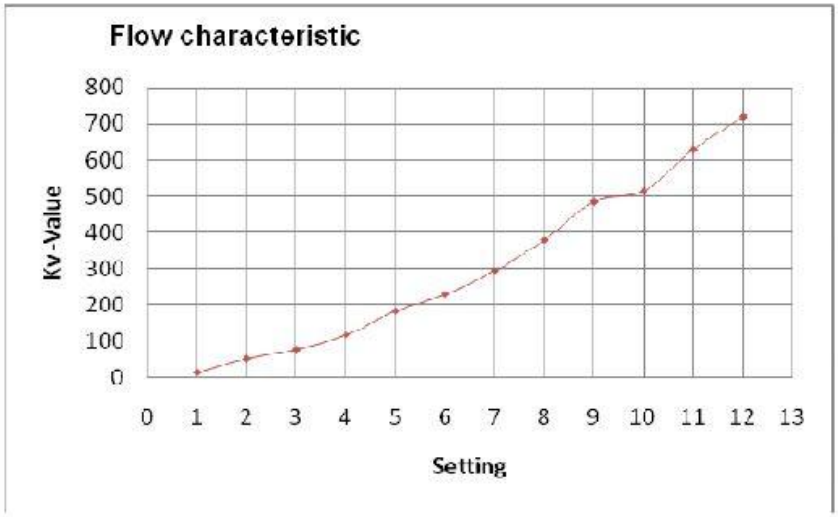
Balancing Valve DN150/PN16

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



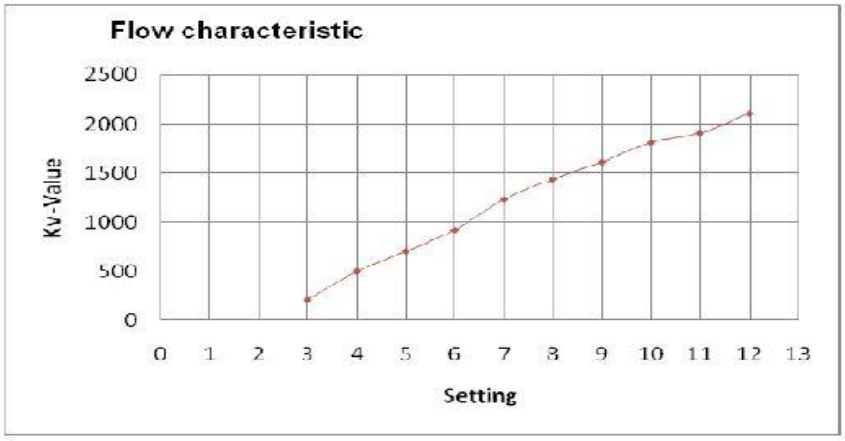
Balancing Valve DN250/PN16

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



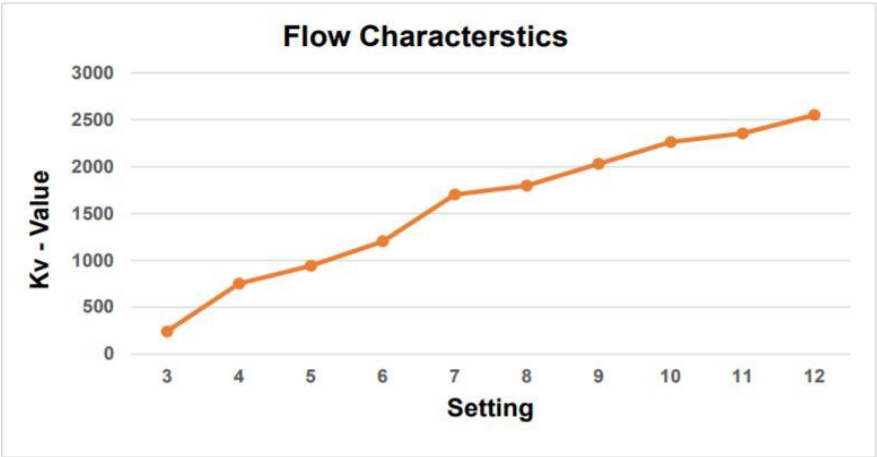
Balancing Valve DN300/PN16

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



Balancing Valve DN350 / PN16

Setting	Kv value (m3/h)
3	245
4	752
5	945
6	1203
7	1702
8	1798
9	2032
10	2261
11	2355
12	2550



Model Table

Size	Model Number	Description
DN50	V4-BLV-GP16-G050	DN50 Static Balancing valve, Hand Wheel, CI valve body PN16
DN65	V4-BLV-GP16-G065	DN65 Static Balancing valve, Hand Wheel, CI valve body, PN16
DN80	V4-BLV-GP16-G080	DN80 Static Balancing valve, Hand Wheel, CI valve body, PN16
DN100	V4-BLV-GP16-G100	DN100 Static Balancing valve, Hand Wheel, CI valve body, PN16
DN125	V4-BLV-GP16-G125	DN125 Static Balancing valve, Hand Wheel, CI valve body, PN16
DN150	V4-BLV-GP16-G150	DN150 Static Balancing valve, Hand Wheel, CI valve body, PN16
DN200	V4-BLV-GP16-G200	DN200 Static Balancing valve, Hand Wheel, CI valve body, PN16
DN250	V4-BLV-GP16-G250	DN250 Static Balancing valve, Hand Wheel, CI valve body, PN16
DN300	V4-BLV-GP16-G300	DN300 Static Balancing valve, Hand Wheel, CI valve body, PN16
DN350	V4-BLV-GP16-G350	DN350 Static Balancing valve, Hand Wheel, CI valve body, PN16

FLANGE DETAILS AS PER ISO: 7005-2

SER NO.	VALVE SIZE	OD	PCD	HOLE DIA	NO. OF HOLES
1	50MM	165	125	19	4
2	65MM	185	145	19	4
3	80MM	200	160	19	8
4	100MM	220	180	19	8
5	125MM	250	210	19	8
6	150MM	285	240	23	8
7	200MM	340	295	23	12
8	250MM	405	355	28	12
9	300MM	460	410	28	12
10	350MM	520	470	28	16

Honeywell

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