VEXVE

Balancing valves DN15-150
Adjustment Instructions

Balancing valves
Adjustment Instructions

Linjasäätöventtiilit
säätöohje

Injusteringsventiler
Inställningsanvisning

Regulier-kugelhähne
Regulierungsanweisung

Kulowe zawory regulacyjne
Instruckja montażu i doboru nastawy

Шаровой кран регулировочный
Инструкция по регулировке

VEXVE OY

Vexve Oy
Pajakatu 11
FI-38200 Sastamala, Finland

Tel.: +358 10 734 0800
Fax: +358 10 734 0839
vexve.customer@vexve.com

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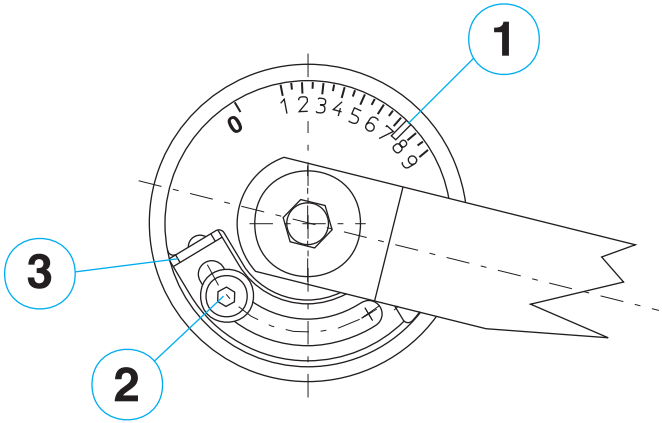


Esisäätöarvon asetus:

- Aseta haluttu esisäätöarvo (1)
- Avaa rajoittimen lukitusruuvi (2)
- Siirrä rajoitin näyttölevyn reunaa vasten (3)
- Kiristä rajoittimen lukitusruuvi (2)

Inställning av förinstallningsvärde:

- Ställ in ventilen till önskat förinställningsvärde (1)
- Lossa på lägesstoppets låsskruv (2)
- Flytta lägesstoppet till spårets ändläge (3)
- Dra åt låsskruven (2)

Kolejność działań przy doborze nastawy:

- Wybrać odpowiednią wartość nastawy (1)
- Odkręcić wkręt zabezpieczający ogranicznik (2)
- Przesunąć ogranicznik poza wybraną wartość na skali (3)
- Dokręcić wkręt zabezpieczający ogranicznik (2)

Setting of preadjustment values:

- Set the desired preadjustment value (1)
- Open the locking screw of the limiter (2)
- Move the limiter against the edge of the scale plate (3)
- Tighten the locking screw of the limiter (2)

Einrichtung der Voreinstellungswert:

- Stellen Sie den von Ihnen gewünschten Voreinstellungswert mittels Handhebel ein (1)
- Lösen Sie die VerschluBschraube des Begrenzers (2)
- Verschieben Sie den Begrenzer gegen die Kante der Anzeigeplatte (3)
- Stellen Sie die Verschlußschraube der Begrenzers wieder fest (2)

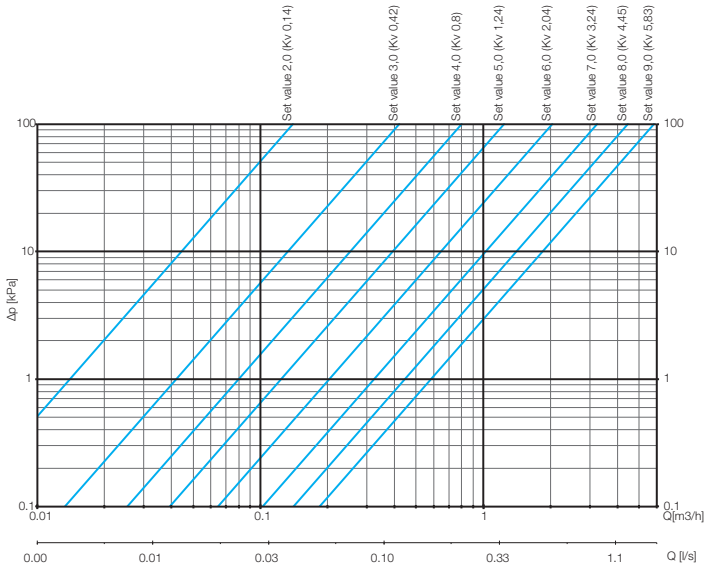
Установка параметра регулировки:

- Поворотом рукоятки установите желаемое значение параметра регулировки расхода (1)
- Ослабьте стопорный винт ограничителя шкалы (2)
- Переместите органичитель шкалы до упора со шкалой (3)
- затяните стопорный винт ограничителя шкалы (2)

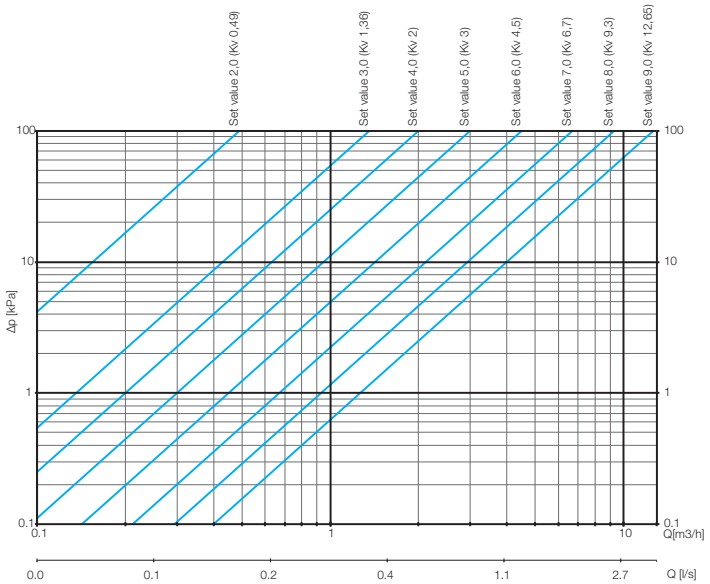
Kv-values for Vexve balancing valves

Set value	DN 15/20	DN25	DN 32	DN 40	DN 50	DN 65	DN 80	DN 100	DN 125	DN 150	DN 200	DN 250	DN 300
1,0	-	-	0,39	0,60	1,26	2,52	3,42	6,48	6,84	13,68	19,7	35,0	54,5
1,5	-	0,35	0,57	1,01	1,80	3,64	5,37	9,47	13,32	20,16	20,2	51,2	80,0
2,0	0,14	0,49	0,83	1,48	2,70	4,75	7,31	12,46	18,00	26,64	38,4	66,5	105,0
2,5	0,28	0,99	1,08	2,02	3,55	6,34	10,23	16,28	24,30	35,46	51,1	90,0	142,0
3,0	0,42	1,36	1,44	2,70	4,39	7,92	13,14	20,09	30,60	44,28	63,8	110,0	176,0
3,5	0,61	1,66	1,80	3,24	5,61	9,78	16,11	24,45	37,80	55,08	79,3	140,0	220,0
4,0	0,80	2,00	2,30	3,96	6,84	11,63	19,08	28,84	45,00	65,88	95,0	165,0	260,0
4,5	1,02	2,40	2,74	4,86	8,34	14,15	23,31	35,82	55,26	84,06	121,0	215,0	336,0
5,0	1,24	3,00	3,42	5,98	9,83	16,67	27,54	42,84	65,52	102,24	147,0	260,0	408,0
5,5	1,64	3,50	4,21	7,18	11,94	20,94	33,21	51,84	81,72	127,08	183,0	325,0	510,0
6,0	2,04	4,50	5,11	8,57	14,04	25,20	38,88	60,84	97,92	151,92	219,0	380,0	600,0
6,5	2,64	5,10	5,97	10,15	16,92	29,52	46,26	75,42	121,86	196,56	282,0	500,0	785,0
7,0	3,24	6,70	7,27	12,31	19,80	33,84	53,64	90,00	145,80	241,20	325,0	576,0	950,0
7,5	3,84	7,30	8,64	14,40	23,40	39,78	64,62	113,40	177,30	289,80	417,0	740,0	1156,0
8,0	4,45	9,30	10,08	17,64	27,00	45,72	75,60	136,80	208,80	338,40	486,0	866,0	1353,0
8,5	5,04	10,00	11,52	20,88	30,60	53,46	91,80	169,20	251,30	399,80	576,0	1020,0	1594,0
9,0	5,83	12,65	13,14	22,57	34,20	61,20	108,00	216,00	293,80	460,80	660,0	1170,0	1840,0

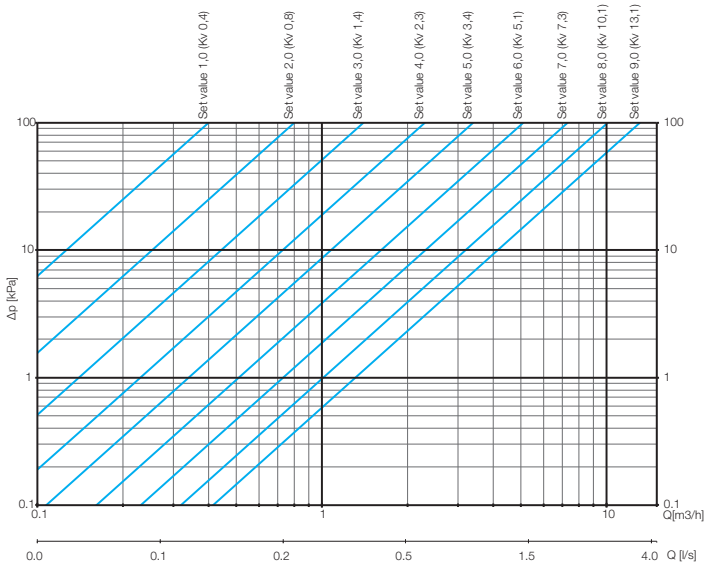
DN 10–20


Set value 2,0 (Kv 0,14)
Set value 3,0 (Kv 0,42)
Set value 4,0 (Kv 0,8)
Set value 5,0 (Kv 1,24)
Set value 6,0 (Kv 2,04)
Set value 7,0 (Kv 3,24)
Set value 8,0 (Kv 4,45)
Set value 9,0 (Kv 5,83)
Δp [kPa]
100
10
1
0.1
0.01
0.1
1
Q[m3/h]
0.00
0.01
0.03
0.10
0.33
1.1
Q [l/s]

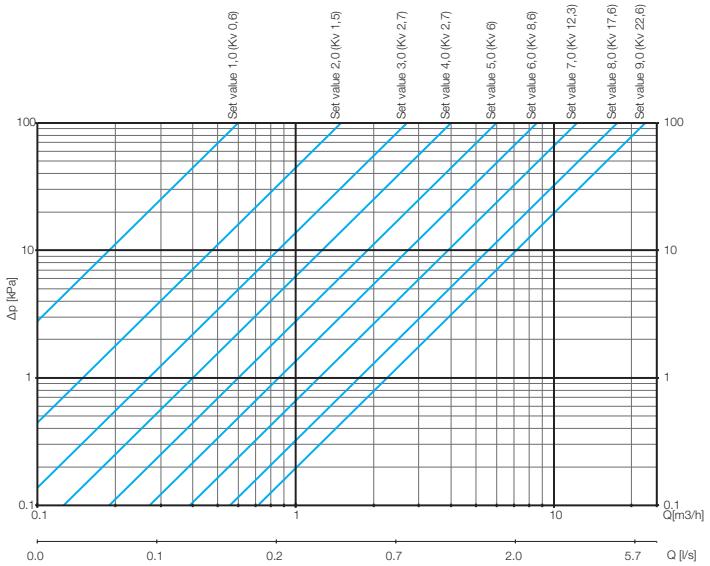
DN 25


Set value 2,0 (Kv 0,49)
Set value 3,0 (Kv 1,36)
Set value 4,0 (Kv 2)
Set value 5,0 (Kv 3)
Set value 6,0 (Kv 4,5)
Set value 7,0 (Kv 6,7)
Set value 8,0 (Kv 9,3)
Set value 9,0 (Kv 12,65)
Δp [kPa]
100
10
1
0.1
0.1
1
10
Q[m3/h]
0.0
0.1
0.2
0.4
1.1
2.7
Q [l/s]

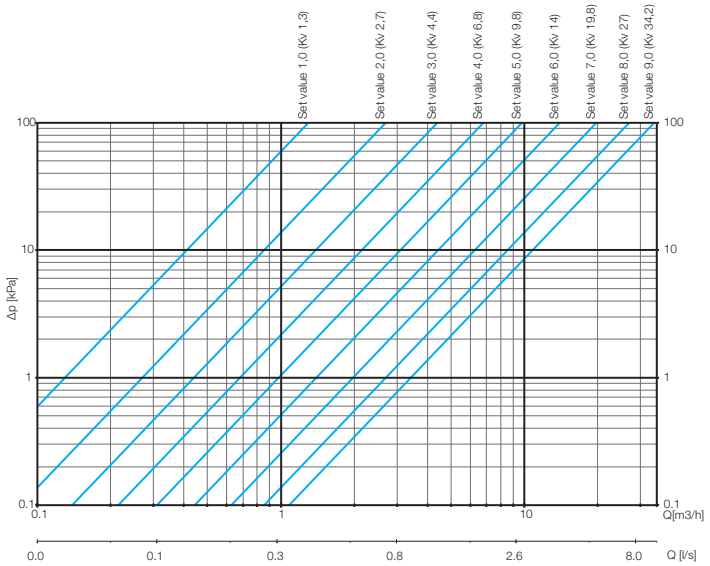
DN 32


Set value 1,0 (Kv 0,4)
Set value 2,0 (Kv 0,8)
Set value 3,0 (Kv 1,4)
Set value 4,0 (Kv 2,3)
Set value 5,0 (Kv 3,4)
Set value 6,0 (Kv 5,1)
Set value 7,0 (Kv 7,3)
Set value 8,0 (Kv 10,1)
Set value 9,0 (Kv 13,1)
100
10
1
0.1
Δp [kPa]
0.1
1
10
Q[m3/h]
0.0
0.1
0.2
0.5
1.5
4.0
Q [l/s]

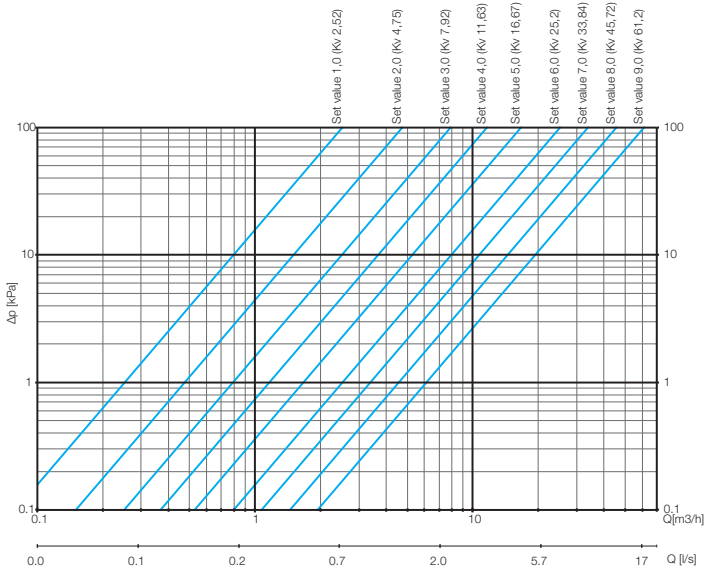
DN 40


Set value 1,0 (Kv 0,6)
Set value 2,0 (Kv 1,5)
Set value 3,0 (Kv 2,7)
Set value 4,0 (Kv 2,7)
Set value 5,0 (Kv 6)
Set value 6,0 (Kv 8,6)
Set value 7,0 (Kv 12,3)
Set value 8,0 (Kv 17,6)
Set value 9,0 (Kv 22,6)
100
10
1
0.1
Δp [kPa]
0.1
1
10
Q[m3/h]
0.0
0.1
0.2
0.7
2.0
5.7
Q [l/s]

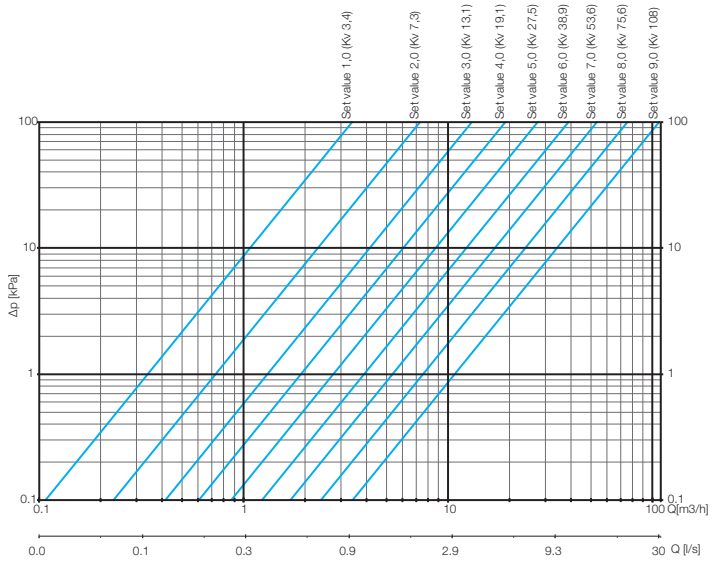
DN 50


Set value 1,0 (Kv 1,3)
Set value 2,0 (Kv 2,7)
Set value 3,0 (Kv 4,4)
Set value 4,0 (Kv 6,8)
Set value 5,0 (Kv 9,8)
Set value 6,0 (Kv 14)
Set value 7,0 (Kv 19,8)
Set value 8,0 (Kv 27)
Set value 9,0 (Kv 34,2)
Δp [kPa]
100
10
1
0.1
0.1
1
10
Q[m3/h]
0.0
0.1
0.3
0.8
2.6
8.0
Q [l/s]

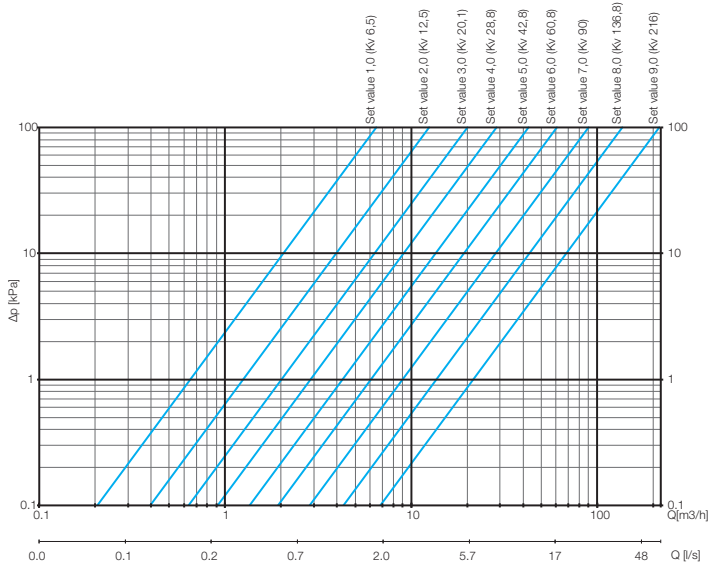
DN 65


Set value 1,0 (Kv 2,52)
Set value 2,0 (Kv 4,75)
Set value 3,0 (Kv 7,92)
Set value 4,0 (Kv 11,63)
Set value 5,0 (Kv 16,67)
Set value 6,0 (Kv 25,2)
Set value 7,0 (Kv 33,84)
Set value 8,0 (Kv 45,72)
Set value 9,0 (Kv 61,2)
Δp [kPa]
100
10
1
0.1
0.1
1
10
Q[m3/h]
0.0
0.1
0.2
0.7
2.0
5.7
17
Q [l/s]

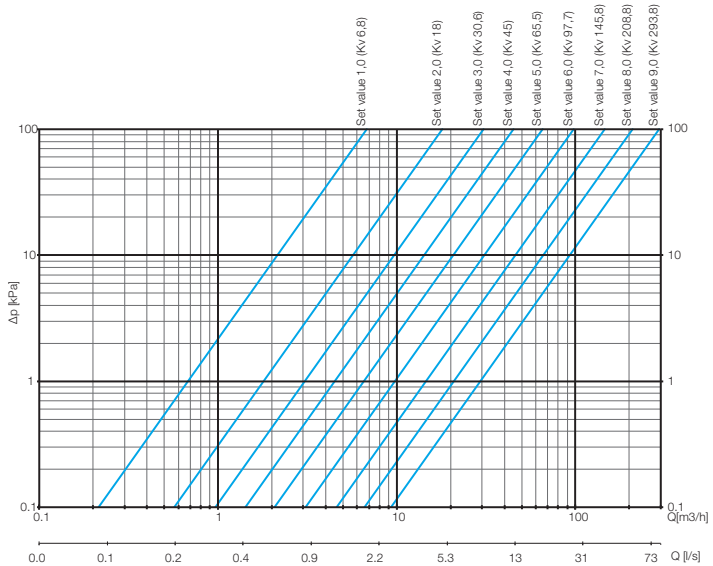
DN 80


Set value 1,0 (Kv 3,4)
Set value 2,0 (Kv 7,3)
Set value 3,0 (Kv 13,1)
Set value 4,0 (Kv 19,1)
Set value 5,0 (Kv 27,5)
Set value 6,0 (Kv 38,9)
Set value 7,0 (Kv 53,6)
Set value 8,0 (Kv 75,6)
Set value 9,0 (Kv 108)
Δp [kPa]
100
10
1
0.1
0.1
1
10
100 Q[m3/h]
0.0
0.1
0.3
0.9
2.9
9.3
30 Q [l/s]

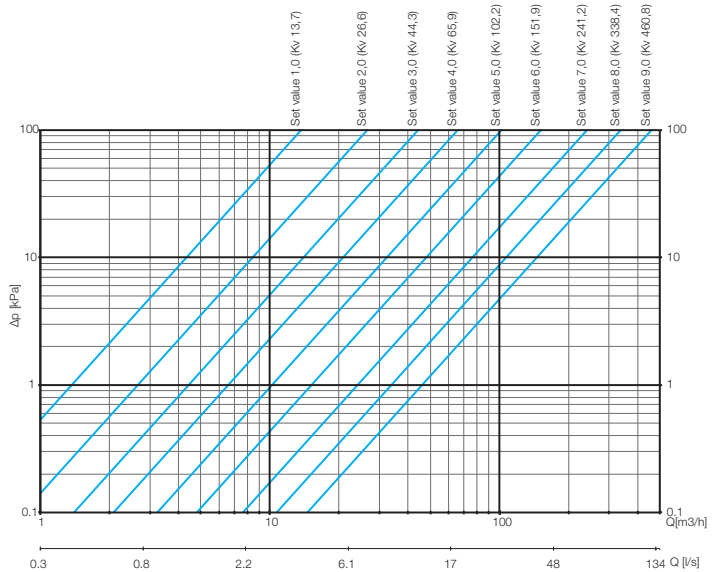
DN 100


Set value 1,0 (Kv 6,5)
Set value 2,0 (Kv 12,5)
Set value 3,0 (Kv 20,1)
Set value 4,0 (Kv 28,8)
Set value 5,0 (Kv 42,8)
Set value 6,0 (Kv 60,8)
Set value 7,0 (Kv 90)
Set value 8,0 (Kv 136,8)
Set value 9,0 (Kv 216)
Δp [kPa]
100
10
1
0.1
0.1
1
10
100
Q[m3/h]
0.0
0.1
0.2
0.7
2.0
5.7
17
48
Q [l/s]

DN 125


Set value 1,0 (Kv 6,8)
Set value 2,0 (Kv 18)
Set value 3,0 (Kv 30,6)
Set value 4,0 (Kv 45)
Set value 5,0 (Kv 65,5)
Set value 6,0 (Kv 97,7)
Set value 7,0 (Kv 145,8)
Set value 8,0 (Kv 208,8)
Set value 9,0 (Kv 293,8)
100
10
1
0.1
Δp [kPa]
0.1
1
10
100
Q[m3/h]
0.0
0.1
0.2
0.4
0.9
2.2
5.3
13
31
73
Q [l/s]

DN 150


Set value 1,0 (Kv 13,7)
Set value 2,0 (Kv 26,6)
Set value 3,0 (Kv 44,3)
Set value 4,0 (Kv 65,9)
Set value 5,0 (Kv 102,2)
Set value 6,0 (Kv 151,9)
Set value 7,0 (Kv 241,2)
Set value 8,0 (Kv 338,4)
Set value 9,0 (Kv 460,8)
100
10
1
0.1
Δp [kPa]
1
10
100
Q[m3/h]
0.3
0.8
2.2
6.1
17
48
134
Q [l/s]