

Globe Valve

## BOA-Compact

PN 6/16  
DN 15-200  
Soft-seated  
Flanged Ends

### Flow Characteristics



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Flow Characteristics BOA-Compact

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## Globe Valves

### Soft-seated Globe Valves to DIN/EN

## BOA-Compact



### Flow Characteristics

The characteristic curves are based on water with a temperature of 5 to 30 °C. The flow velocity ( $v$ ) in the valve passage (DN) should not exceed 4 m/s. Due to the elastic closing process on soft-seated globe valves we recommend to set the number of stem turns starting from the OPEN position.

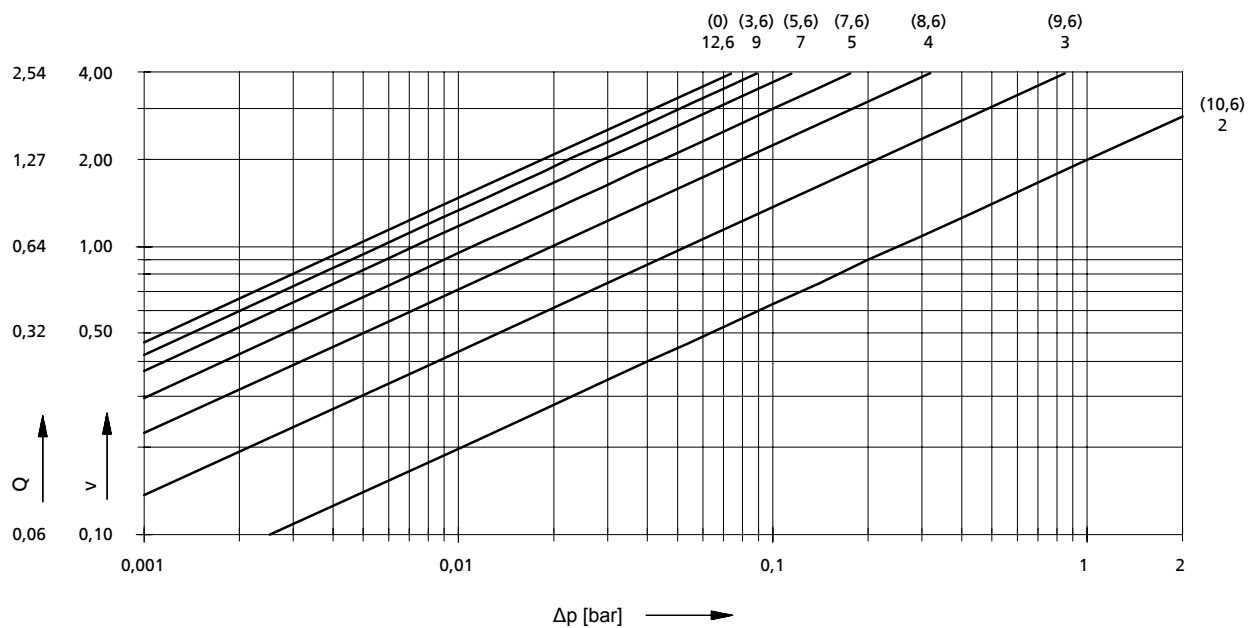
Description of units

Unit	Description
Q	Flow rate in m <sup>3</sup> /h
V	Flow velocity in m/s

DN 15, PN 6/16

Selection table

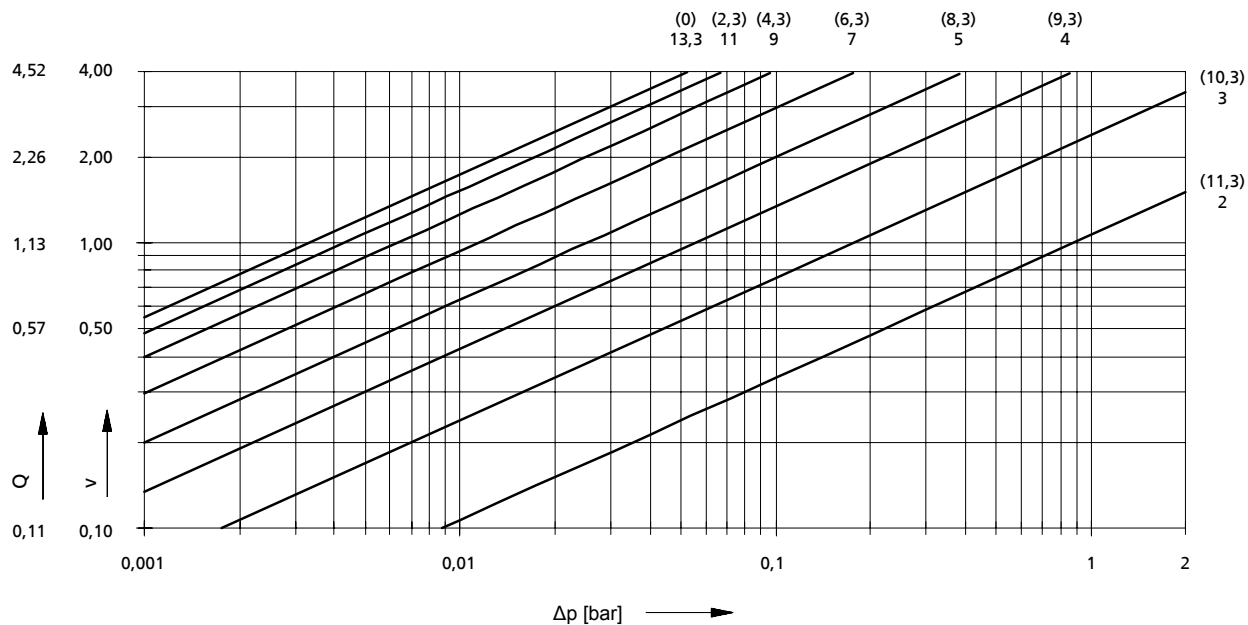
Kv [m <sup>3</sup> /h]	Resistance coefficient [ζ]	Number of stem turns n1 from CLOSED position	Number of stem turns n2 from OPEN position
9,3	0,9	12,6	(0)
8,4	1,1	9	(3,6)
7,5	1,4	7	(5,6)
6,0	2,2	5	(7,6)
4,5	3,9	4	(8,6)
2,7	10,5	3	(9,6)
1,3	49,3	2	(10,6)



DN 20, PN 6/16

Selection table

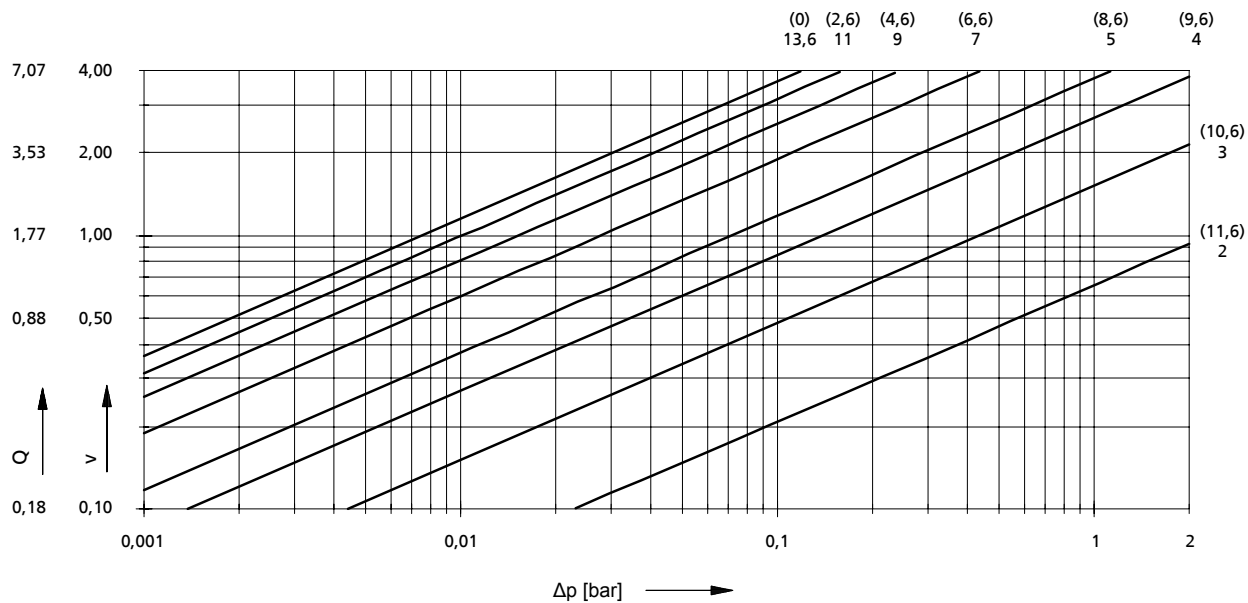
Kv [m <sup>3</sup> /h]	Resistance coefficient [ζ]	Number of stem turns n1 from CLOSED position	Number of stem turns n2 from OPEN position
19,6	0,7	13,3	(0)
17,2	0,8	11	(2,3)
14,3	1,2	9	(4,3)
10,6	2,2	7	(6,3)
7,1	4,9	5	(8,3)
4,8	11,3	4	(9,3)
2,7	34,4	3	(10,3)
1,2	174	2	(11,3)



DN 25, PN 6/16

Selection table

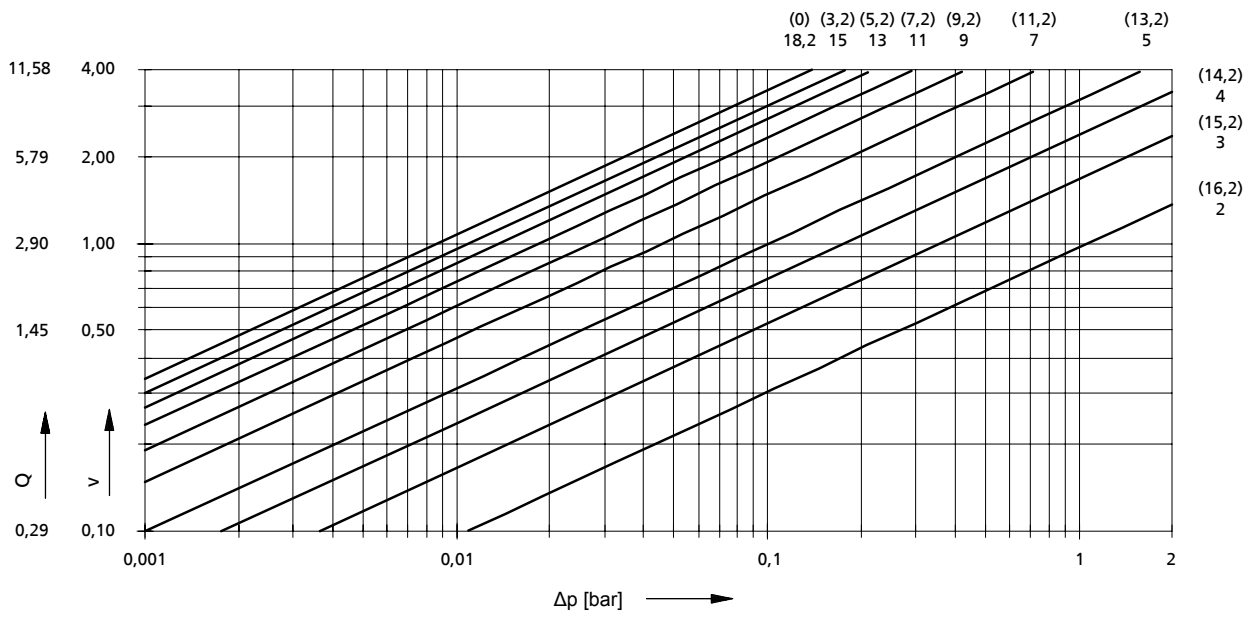
Kv [m <sup>3</sup> /h]	Resistance coefficient [ζ]	Number of stem turns n1 from CLOSED position	Number of stem turns n2 from OPEN position
20,3	1,5	13,6	(0)
17,6	2,0	11	(2,6)
14,3	3,0	9	(4,6)
10,6	5,4	7	(6,6)
6,6	14,1	5	(8,6)
4,8	27,0	4	(9,6)
2,7	86,5	3	(10,6)
1,2	451	2	(11,6)



DN 32, PN 6/16

Selection table

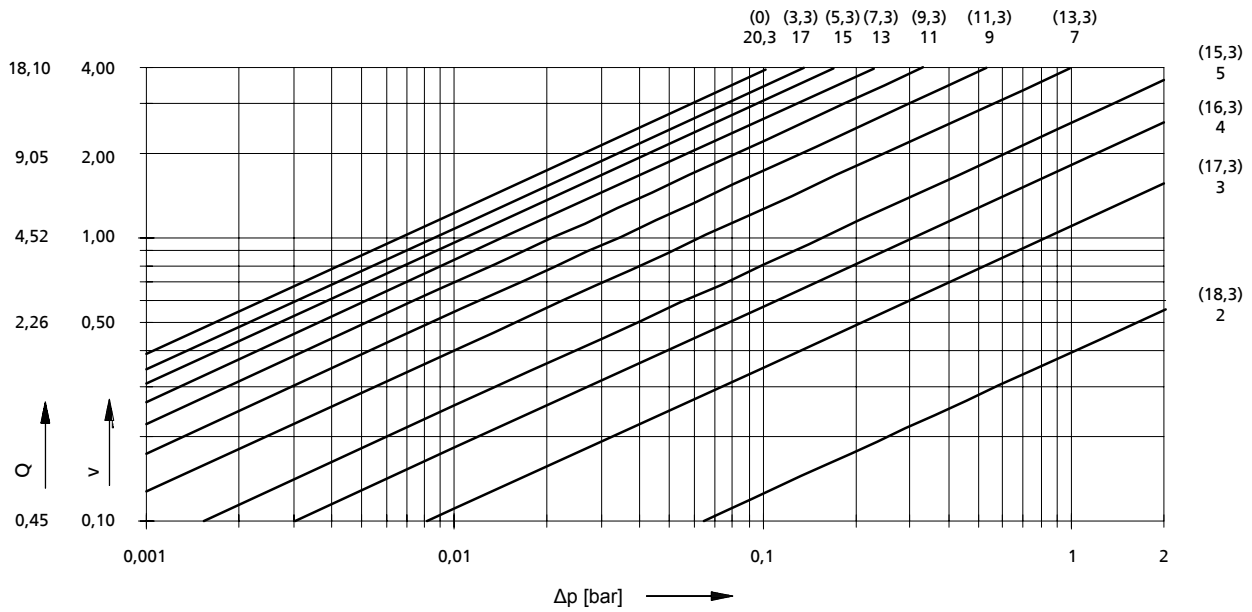
Kv [m <sup>3</sup> /h]	Resistance coefficient [ζ]	Number of stem turns n1 from CLOSED position	Number of stem turns n2 from OPEN position
31,1	1,7	18,2	(0)
27,6	2,2	15	(3,2)
24,7	2,7	13	(5,2)
21,3	3,6	11	(7,2)
17,5	5,4	9	(9,2)
13,5	9,0	7	(11,2)
9,1	19,8	5	(13,2)
6,9	34,6	4	(14,2)
4,8	71,3	3	(15,2)
2,8	210	2	(16,2)



DN 40, PN 6/16

Selection table

Kv [m <sup>3</sup> /h]	Resistance coefficient [ζ]	Number of stem turns n1 from CLOSED position	Number of stem turns n2 from OPEN position
55,7	1,3	20,3	(0)
48,9	1,7	17	(3,3)
43,6	2,1	15	(5,3)
37,7	2,8	13	(7,3)
31,5	4,1	11	(9,3)
24,7	6,6	9	(11,3)
18,1	12,2	7	(13,3)
11,6	30,0	5	(15,3)
8,2	59,9	4	(16,3)
5,0	161	3	(17,3)
1,8	1252	2	(18,3)

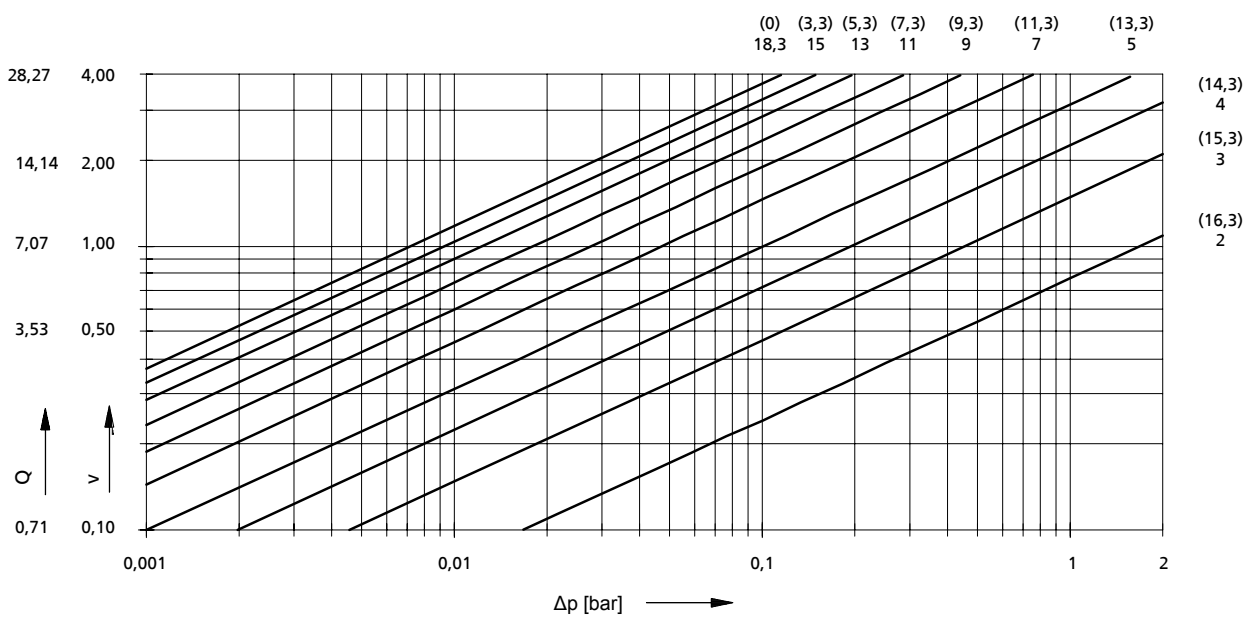




DN 50, PN 6/16

Selection table

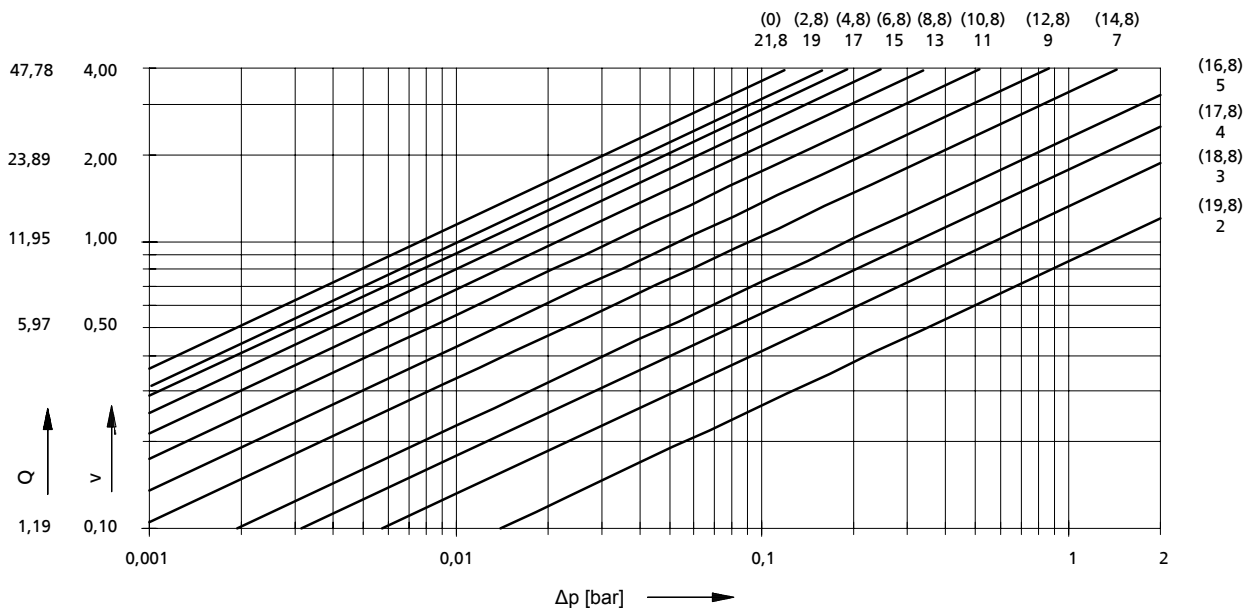
Kv [m <sup>3</sup> /h]	Resistance coefficient [ζ]	Number of stem turns n1 from CLOSED position	Number of stem turns n2 from OPEN position
82,9	1,5	18,3	(0)
73,1	1,8	15	(3,3)
63,8	2,4	13	(5,3)
52,6	3,5	11	(7,3)
42,3	5,5	9	(9,3)
32,3	9,4	7	(11,3)
22,2	19,8	5	(13,3)
15,9	38,9	4	(14,3)
10,4	90,0	3	(15,3)
5,5	329	2	(16,3)



DN 65, PN 6/16

Selection table

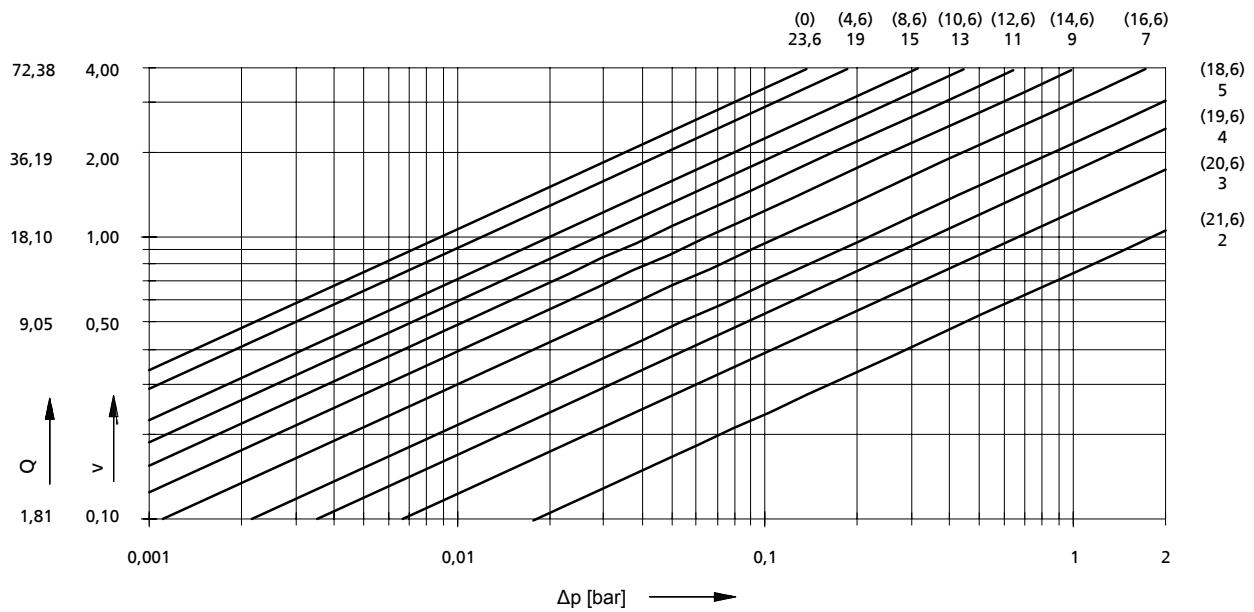
Kv [m <sup>3</sup> /h]	Resistance coefficient [ζ]	Number of stem turns n1 from CLOSED position	Number of stem turns n2 from OPEN position
137	1,5	21,8	(0)
122	1,9	19	(2,8)
109	2,4	17	(4,8)
95,8	3,1	15	(6,8)
81,0	4,3	13	(8,8)
66,0	6,4	11	(10,8)
51,3	10,6	9	(12,8)
39,6	17,8	7	(14,8)
27,3	37,5	5	(16,8)
21,3	61,8	4	(17,8)
15,7	113	3	(18,8)
10,2	271	2	(19,8)



DN 80, PN 6/16

Selection table

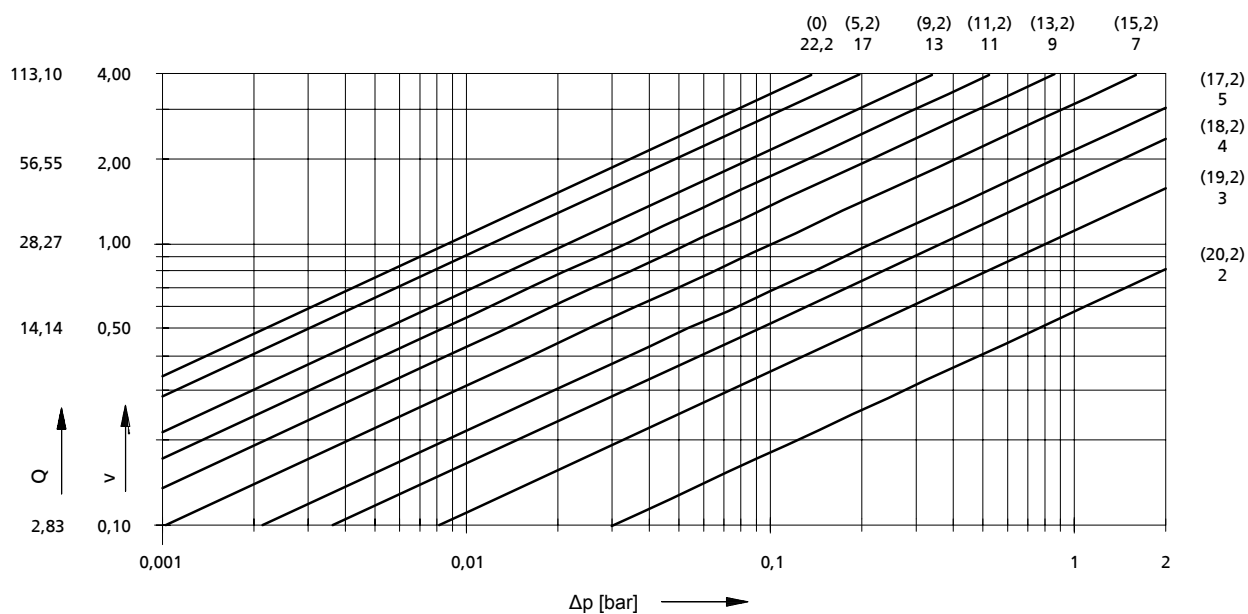
Kv [m <sup>3</sup> /h]	Resistance coefficient [ζ]	Number of stem turns n1 from CLOSED position	Number of stem turns n2 from OPEN position
192	1,8	23,6	(0)
165	2,4	19	(4,6)
128	3,9	15	(8,6)
107	5,6	13	(10,6)
88,6	8,2	11	(12,6)
71,2	12,7	9	(14,6)
54,2	21,8	7	(16,6)
39,1	42,0	5	(18,6)
30,7	68,0	4	(19,6)
22,1	132	3	(20,6)
13,4	357	2	(21,6)



DN 100, PN 6/16

Selection table

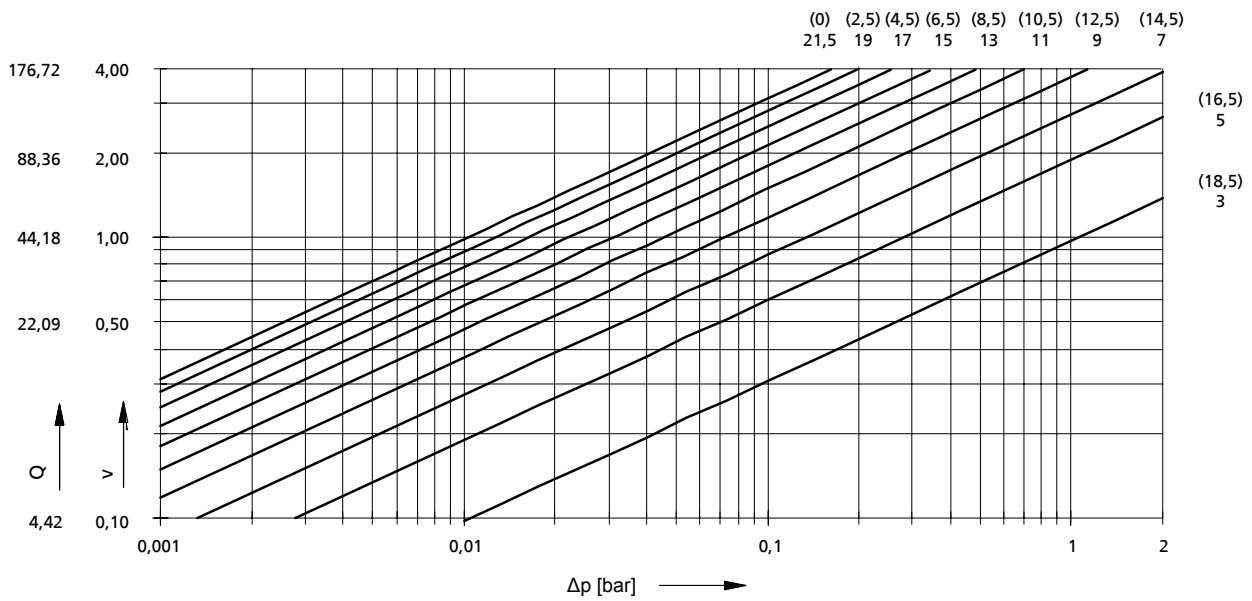
Kv [m <sup>3</sup> /h]	Resistance coefficient [ζ]	Number of stem turns n1 from CLOSED position	Number of stem turns n2 from OPEN position
304	1,7	22,2	(0)
256	2,4	17	(5,2)
192	4,3	13	(9,2)
155	6,5	11	(11,2)
122	10,6	9	(13,2)
88,4	20,0	7	(15,2)
60,9	42,2	5	(17,2)
46,8	71,7	4	(18,2)
31,4	158	3	(19,2)
16,1	602	2	(20,2)



DN 125, PN 6/16

Selection table

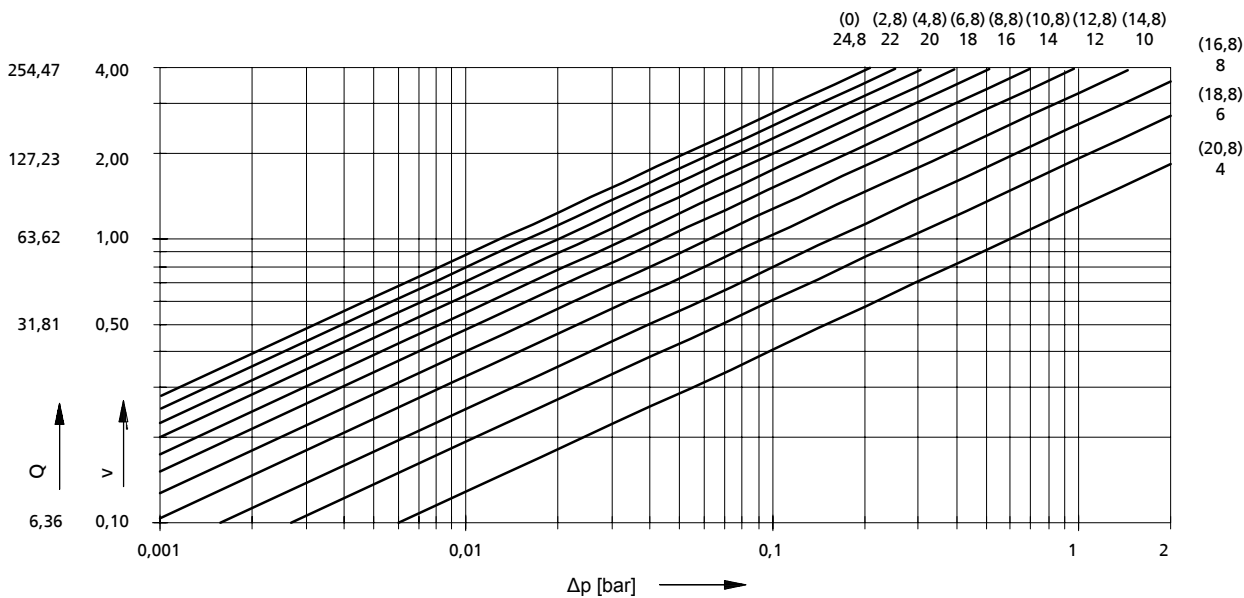
Kv [m <sup>3</sup> /h]	Resistance coefficient [ζ]	Number of stem turns n1 from CLOSED position	Number of stem turns n2 from OPEN position
438	2,0	21,5	(0)
393	2,5	19	(2,5)
345	3,2	17	(4,5)
297	4,4	15	(6,5)
252	6,0	13	(8,5)
209	8,8	11	(10,5)
165	14,1	9	(12,5)
122	25,9	7	(14,5)
84,0	54,2	5	(16,5)
42,8	209	3	(18,5)



DN 150, PN 6/16

Selection table

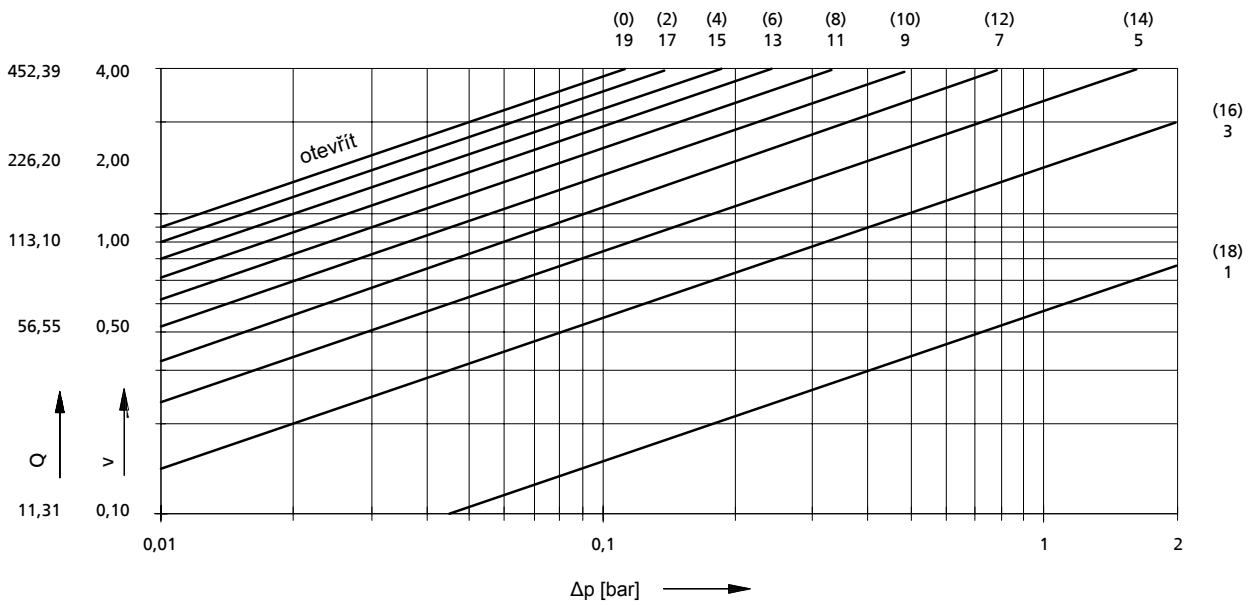
Kv [m <sup>3</sup> /h]	Resistance coefficient [ζ]	Number of stem turns n1 from CLOSED position	Number of stem turns n2 from OPEN position
558	2,6	24,8	(0)
504	3,1	22	(2,8)
453	3,9	20	(4,8)
402	4,9	18	(6,8)
353	6,4	16	(8,8)
304	8,6	14	(10,8)
257	12,1	12	(12,8)
209	18,2	10	(14,8)
160,6	30,8	8	(16,8)
122,4	53	6	(18,8)
82,2	117	4	(20,8)



DN 200, PN 6/16

Selection table

Kv [m <sup>3</sup> /h]	Resistance coefficient [ζ]	Number of stem turns n1 from CLOSED position	Number of stem turns n2 from OPEN position
1008	2,5	19	(0)
902	3,1	17	(2)
796	4,0	15	(4)
690	5	13	(6)
584	8	11	(8)
477	11	9	(10)
371,4	19	7	(12)
265,3	36	5	(14)
159,2	101	3	(16)
53,1	909	1	(18)





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