

## Faltenbalg-Absperrventile Serie BSAT Durchflusskennlinien

### BSAT Ventil

Größe	DN15	DN20	DN25	DN32	DN40	DN50	DN65	DN80	DN100	DN125	DN150	DN200	DN250
Handrad- umdrehungen	Kv Werte je Handradumdrehungen, gemessen nach EN 60534-2-3 Wasser bei 20°C												
0	0	0	0	0	0	0	0	0	0	0	0	0	0
0,5	1.2	1.2	1.4	2.2	4.4	4.1	5.6	10.4	12.0	21	28	66	110
1	1.7	1.7	2.0	3.7	5.0	5.0	7.0	11.5	14.3	23	30	81	140
1.5	2.7	2.9	2.9	5.0	5.5	6.0	9.2	13.6	24.5	26	33	97	150
2	3.6	4.0	4.6	7.9	7.6	7.2	11.6	16.3	34.1	42	46	111	165
2.5	4.4	5.3	6.4	10.6	11.0	9.7	12.4	18.5	59.6	67	65	149	190
3	5.4	6.6	8.5	13.8	14.7	14.1	13.0	21.1	86.2	94	90	199	225
4			10.6	17.0	22.6	24.4	25.2	24.5	123.0	140	152	302	330
4.5			11.2	18.3	24.4	29.4	32.5	29.0	139.0	181	177	355	451
5			11.9	19.6	27.2	37.0	43.6	39.1	164.1	185	216	403	460
6					28.9	46.2	60.2	61.0	179.0	220	264	455	600
6.5					29.1	47.0	63.0	69.0	186.0	230	288	480	641
6.7					29.3	47.2	64.3	73.0		235	293	487	656
7							65.9	78.0		241	305	495	678
8							71.2	90.0		259	337	507	738
8.5							74.6	92.0			348	522	760
9.5								99.0			369		793
10								101.6					805
10,7													827

### Berechnung des Volumenstromes Q in m³/h aus dem k<sub>v</sub> Wert

$$\dot{Q} = k_v \cdot \sqrt{\Delta p}$$

$\dot{Q}$  = Volumenstrom in m³/h

$\Delta P$  = Druckverlust in bar

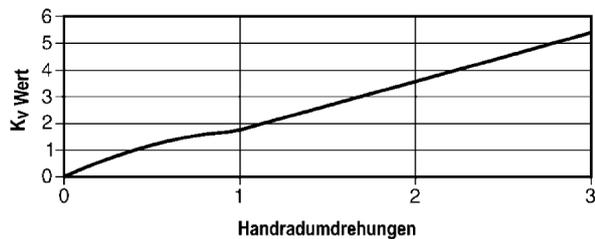
### Hinweis

Maximal zulässige Differenzdrücke in Drosselleitung:

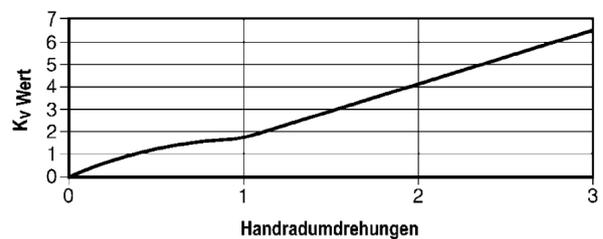
DN15...DN80	2,0 bar
DN100...DN125	1,5 bar
DN150	1,0 bar
DN200...DN250	0,8 bar

### k<sub>v</sub> Wert in Abhängigkeit von Handradumdrehungen für Wasser bei 20°C

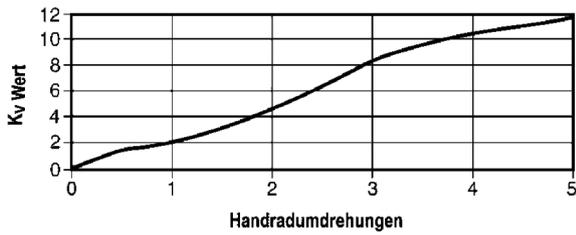
BSAT - DN15



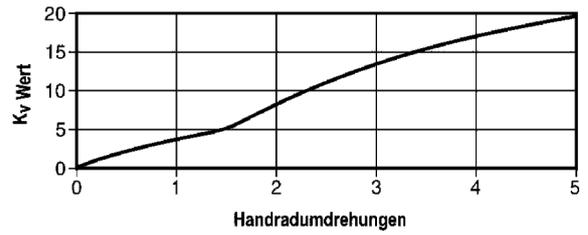
BSAT - DN20



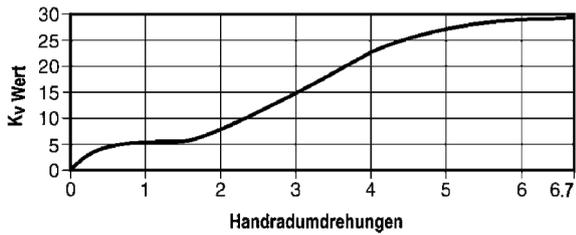
**BSAT - DN25**



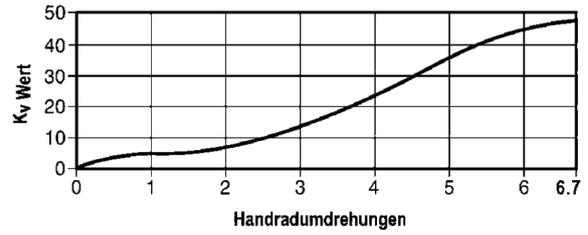
**BSAT - DN32**



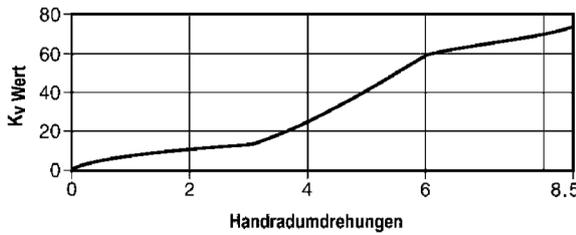
**BSAT - DN40**



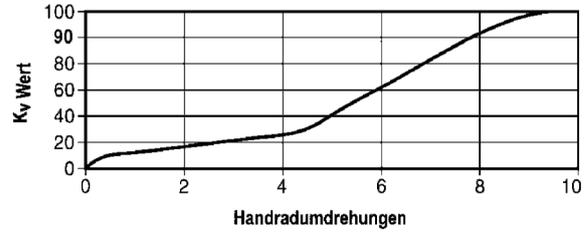
**BSAT - DN50**



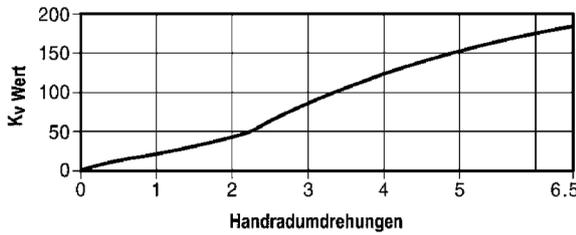
**BSAT - DN65**



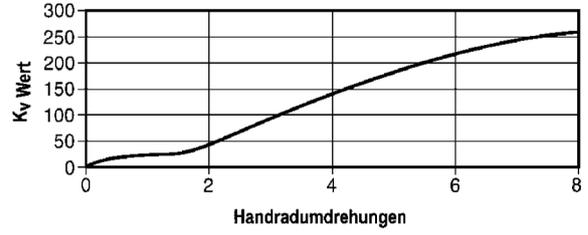
**BSAT - DN80**



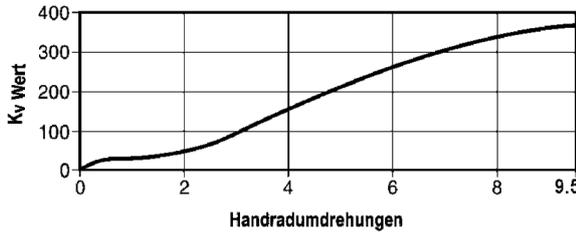
**BSAT - DN100**



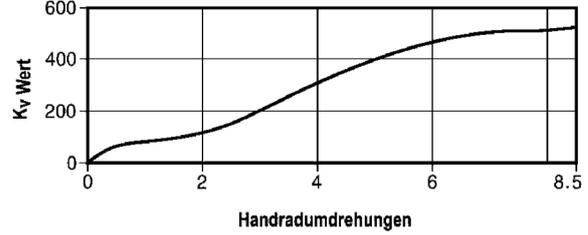
**BSAT - DN125**



**BSAT - DN150**



**BSAT - DN200**



**BSAT - DN250**

