



**Kvs/Cv flow coefficients · RPV Series 62, 72, 73, 82**

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## 1 Kvs/Cv · Series 72, 73, 82

### 1.1 Seat with metal sealing · Flow to open (FTO)

Size	DN	25	40	50	80	100	150	200	250	300	350	400	500	600
	NPS	1	1 ½	2	3	4	6	8	10	12	14	16	20	24
Seat factor	Flow coefficient													
100 %	Kvs	16	36	70	220	360	720	1100	1950	2700	3400	4700	6700	11000
	Cv	18	42	81	254	416	832	1272	2254	3121	3930	5434	7746	12717
	Seat Ø mm	18	26	36	60	76	105	135	170	210	245	290	350	420
60 %	Kvs	12	22	43	145	210	430	630	1230	1500	2050	2700	3800	5800
	Cv	14	25	50	168	243	497	728	1422	1734	2370	3121	4393	6705
	Seat Ø mm	16	21,5	29,5	50	60	86	106	146	163	195	225	271	330
40 %	Kvs	10	16	31	105	150	275	390	850	900	1350	1600	2300	3550
	Cv	12	18	36	121	173	318	451	983	1040	1560	1850	2659	4104
	Seat Ø mm	14	18,5	25,5	44	53	73	88	126	133	165	184	221	275
25 %	Kvs	4	12	19	70	100	185	245	500	640	820	1100	1250	2680
	Cv	4,6	14	22	81	116	214	283	578	740	950	1272	1445	3098
	Seat Ø mm	10	16	21	37	45	62	73	102	116	135	160	175	245

### 1.2 Seat with metal sealing · Flow to close (FTC)

Size	DN	25	40	50	80	100	150	200	250	300	350	400	500	600
	NPS	1	1 ½	2	3	4	6	8	10	12	14	16	20	24
Seat factor	Flow coefficient													
100 %	Kvs	16	36	70	210	340	660	810	1300	2100	2320	3400	4800	7500
	Cv	18	42	81	243	393	763	936	1503	2428	2700	3931	5549	8671
	Seat Ø mm	18	26	36	60	76	105	135	170	210	245	290	350	420
60 %	Kvs	12	22	43	135	200	320	410	820	900	1370	1800	2700	3700
	Cv	14	25	50	156	231	370	474	948	1040	1590	2081	3121	4277
	Seat Ø mm	16	21,5	29,5	50	60	86	106	146	163	195	225	271	330
40 %	Kvs	10	16	31	95	120	185	250	540	570	880	1120	1600	2350
	Cv	12	18	36	110	139	214	289	624	659	1020	1295	1850	2717
	Seat Ø mm	14	18,5	25,5	44	53	73	88	126	133	165	184	221	275
25 %	Kvs	4	12	19	56	90	125	160	320	410	530	860	870	1800
	Cv	4,6	14	22	65	104	145	185	370	474	615	994	1006	2081
	Seat Ø mm	10	16	21	37	45	62	73	102	116	135	160	175	245

### 1.3 Seat with soft sealing · Flow to close (FTC)

Size	DN	25	40	50	80	100	150	200	250	300	350	400	500	600
	NPS	1	1 ½	2	3	4	6	8	10	12	14	16	20	24
Seat factor	Flow coefficient													
<b>100 %</b>	Kvs	<b>12</b>	<b>36</b>	<b>68</b>	<b>180</b>	<b>290</b>	<b>535</b>	<b>730</b>	<b>1220</b>	<b>2000</b>	<b>On request</b>	<b>2700</b>	<b>4800</b>	<b>11000</b>
	Cv	14	42	79	208	335	618	844	1410	2312		3121	5549	12717
	Seat Ø mm	16	26	35	54	70	98	128	160	204		270	350	420
<b>60 %</b>	Kvs	<b>11</b>	<b>22</b>	<b>43</b>	<b>135</b>	<b>200</b>	<b>320</b>	<b>410</b>	<b>820</b>	<b>900</b>		<b>1800</b>	<b>2700</b>	<b>3700</b>
	Cv	<b>13</b>	<b>25</b>	<b>50</b>	<b>156</b>	<b>231</b>	<b>370</b>	<b>474</b>	<b>948</b>	<b>1040</b>		<b>2081</b>	<b>3121</b>	<b>4277</b>
	Seat Ø mm	15	21,5	29,5	50	60	86	106	146	163		225	271	330
<b>40 %</b>	Kvs	<b>10</b>	<b>16</b>	<b>31</b>	<b>105</b>	<b>120</b>	<b>185</b>	<b>250</b>	<b>540</b>	<b>570</b>		<b>1120</b>	<b>1600</b>	<b>2350</b>
	Cv	12	18	36	121	139	214	289	624	659		1295	1850	2717
	Seat Ø mm	14	18,5	25,5	46	53	73	88	126	133		184	221	275
<b>25 %</b>	Kvs	<b>4</b>	<b>12</b>	<b>19</b>	<b>56</b>	<b>90</b>	<b>125</b>	<b>160</b>	<b>320</b>	<b>410</b>		<b>860</b>	<b>870</b>	<b>1800</b>
	Cv	4,6	14	22	65	104	145	185	370	474		994	1006	2081
	Seat Ø mm	10	16	21	37	45	62	73	102	116		160	175	245

## 2 Kvs/Cv · Series 62

### 2.1 Seat with metal sealing · Flow to open (FTO)

Size	DN	25	40	50	80	100	150	200
	NPS	1	1½	2	3	4	6	8
Seat factor	Flow coefficient							
100 %	Kvs	16	36	80	243	386	703	968
	Cv	18	42	92	281	446	813	1119
	Seat Ø mm	18	26	36	60	76	105	135
40 %	Kvs	10	17	32	104	148	265	348
	Cv	12	20	37	120	171	306	402
	Seat Ø mm	14	18,5	25,5	44	53	73	88

### 2.2 Seat with soft sealing · Flow to open (FTO)

Size	DN	25	40	50	80	100	150	200
	NPS	1	1½	2	3	4	6	8
Seat factor	Flow coefficient							
100 %	Kvs	11	34	80	212	364	636	904
	Cv	13	39	92	245	421	735	1045
	Seat Ø mm	14	23	35	55	70	95	125
40 %	Kvs	-	17	32	104	148	265	348
	Cv	-	20	37	120	171	306	402
	Seat Ø mm	-	18,5	25,5	44	53	73	88

### 3 Kvs/Cv · Type tested valves 72.3, 72.4, 82.7 (GAR, DVGW, EN 161)

#### 3.1 Seat with soft sealing · Flow to close (FTC)

Size	DN	25	40	50	80	100	150	200
	NPS	1	1 ½	2	3	4	6	8
Seat factor	Flow coefficient							
100 %	Kvs	12	26	68	180	290	320	410
	Cv	14	30	79	208	335	370	474
	Seat Ø mm	16	23	35	54	70	86	106
60 %	Kvs	11	21	43	156	242	185	291
	Cv	13	24	50	180	280	214	336
	Seat Ø mm	15	21	29,5	52	65	73	92
40 %	Kvs	10	17	37	105	200	125	250
	Cv	12	20	43	121	231	145	289
	Seat Ø mm	14	19	27,5	46	60	62	88



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