

## MINIMUM & MAXIMUM K<sub>v</sub> VALUES IN PERFORATED TRIM (ECOTROL)

ECOTROL 8C SERIES (1/2"-4"#150/#300) PERFORATED L1, L2, L3										
VALVE SIZE	LIFT	SEAT DIA	KV VALUES				KV VALUES			
			LINEAR (L1)		EQUAL PERCENTAGE (L1)		LINEAR (L2)		LINEAR (L3)	
			MIN	MAX	AVAILABLE KV VALUES		MIN	MAX	MIN	MAX
15NB (1/2"), 25NB (1")	20	20	1.25	2.5	1.25 / 2.5		1.5	4.1	1.2	2.6
25NB (1"), 40NB (1 1/2")	20	25	1.25	6.3	1.25 / 2.5 / 4 / 6.3		2	6.1	1.5	3.2
40NB (1 1/2"), 50NB (2"), 65NB (2 1/2")	20	36	2.5	16	2.5 / 4 / 6.3 / 10 / 16		3	10.6	1.8	5.4
50NB (2"), 65NB (2 1/2")	20	46	6.3	25	4 / 6.3 / 10 / 16 / 25		3.5	12.2	2.2	6.4
		50	6.3	40	6.3 / 10 / 16 / 25		13.2		NA*	
80NB(3")	30	50	10	40	25		7	23.5	4	12.1
80NB(3"), 100NB(4")	30	80	25	100	25 / 40 / 55		10	35.3	5	18.2
100NB(4")	30	100	30	120	25 / 40 / 55 / 63		14	47.1	7	24.2

SEAT DIA FOR PRESSURE BALANCE (8C)
80NB(3")#150/300 – 80mm
100NB(4")#150/300 – 100mm

\* - DESIGN NOT AVAILABLE

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ECOTROL 6N SERIES (6"-16"#150/#300) PERFORATED L1, L2, L3									
VALVE SIZE	LIFT	SEAT DIA	KV VALUES			KV VALUES			
			LINEAR (L1)		EQUAL PERCENTAGE (L1)	LINEAR (L2)		LINEAR (L3)	
			MIN.	MAX.	AVAILABLE KV VALUES	MIN.	MAX.	MIN.	MAX.
150NB(6")	60	90	50	170	50 / 60 / 90 / 100 / 125	30	103	15	53
		113	75	260	90 / 100 / 125 / 150	40	132	20	67
150NB(6"), 200NB(8")	60	143	115	380	100 / 125 / 150 / 210	51	171	26	88
200NB(8")	60	172	135	450	125 / 150 / 210 / 260	62	209	32	107
250NB(10")	100	143	115	380	150 / 235 / 320	80	270	42	140
		172	200	650	320 / 380	118	395	60	203
250NB(10"), 300NB(12")	100	220	270	900	320 / 380 / 520	142	476	73	245
350NB(14")	100	220	270	900	320 / 380 / 520	142	476	73	245
300NB(12"), 350NB(14")	100	282	390	1300	320 / 380 / 520 / 720	205	687	105	353
350NB(14")	100	313	540	1800	320 / 380 / 520 / 720 / 850	*		*	
		282	425	1400	750	*		*	
		313	540	1800	750 / 900	*		*	
400NB(16")	120	400	750	2500	750 / 900 / 1250	350	1180	150	507

SEAT DIA FOR PRESSURE BALANCE (6N)
150NB(6")#150/300 – 143mm
200NB(8")#150/300 – 172mm
250NB(10")#150/300 – 220mm
300NB(12")#150/300 – 282mm
350NB(14")#150/300 – 313mm
400NB(16")#150/300 – 400mm

**FOR \* MARKED FIELDS PL. CONTACT ENGG.**

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6H (1"-8"#600/#900/#1500) PERFORATED L1, L2, L3									
VALVE SIZE	LIFT	SEAT DIA	KV VALUES			KV VALUES			
			LINEAR (L1)		EQUAL PERCENTAGE (L1)	LINEAR (L2)		LINEAR (L3)	
			MIN.	MAX.	AVAILABLE KV VALUES	MIN.	MAX.	MIN.	MAX.
25NB (1")	20	19	1.2	4	1.1 / 1.25 / 1.5 / 2.1 / 2.5 / 3 / 4	1.2	4.1	1	2.6
		24	3	10	1.25 / 2.1 / 2.5 / 3 / 4 / 7	1.8	6.1	1.2	3.2
		24							
40NB(1 1/2")	20	37	8	27	3 / 4 / 7 / 11 / 16	3	10.6	1.8	5.4
50NB(2")	30	37	12.5	43	4 / 5.5 / 8 / 11 / 15 / 18 / 21	5.5	17.9	2.9	9.7
		48			8 / 11 / 15 / 18 / 21 / 35	7	23.5	3.5	12.1
80NB(3")	30	48	16	55	11 / 15 / 21 / 35 / 38	7	23.5	3.5	12.1
80NB(3"), 100NB(4")	30	62	18	60	15 / 21 / 35 / 43	9	30.6	4.5	15.7
		73	24	80	21 / 35 / 43 / 55	10	35.3	5.5	18.2
100NB(4")	30	90	33	110	21 / 35 / 43 / 55 / 68	14	47.1	7	24.2
150NB(6")	60	90	51	170	50 / 60 / 90 / 100 / 125	30	103	16	53
150NB(6"), 200NB(8")	60	113	78	260	90 / 100 / 125 / 150	40	132	20	67
		143	114	380	100 / 125 / 150 / 210	51	171	25	88
200NB(8")	60	172	135	450	125 / 150 / 210 / 260	62	209	32	107

SEAT DIA FOR PRESSURE BALANCE (6H)
80NB(3")#600/900/1500 – 73mm
100NB(4")#600/900/1500 – 90mm
150NB(6")#600/900/1500 – 143mm
200NB(8")#600/900/1500 – 172mm

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## P3 DESIGN Kv CHART

### 8C SERIES

Kvs		0.40	0.63	1.0	1.6	2.5	3.0	4.0	7.0	8.0	9.2	10.0	16.0	24.0	32.0	37.0	40.0	43.0
NOMINAL DIAMETER		SEAT DIAMETER																
15	1/2"	16	16	16	16	16												
25	1"	16	16	16	16	16	16	16										
40	1 1/2"				16	16	20	20	30	30								
50	2"				16	16	20	20	30	30	36	36						
65	2 1/2"				16	16	20	20	30	30	36	36						
80	3"									36		36	80	50/80		50	50	50
100	4"														50	50		80

### 6N SERIES

Kvs		63.00	75.00	90.00	110.00
NOMINAL DIAMETER		SEAT DIAMETER			
150	6'	113	90	113	90/113
200	8"				
250	10"				
300	12"				
350	14"				
400	16"				
500	20"				
600	24"				

### 6H SERIES

Kvs		1	1.6	2.5	3	4	5.5	7	10	16	24	32	39	58	63	75	90	110
NOMINAL DIAMETER		SEAT DIAMETER																
15	1/2"																	
25	1"	16	16	16		16												
40	1 1/2"	24	24	24		24		24/32										
50	2"	24	24	24	24	24	32	24	32/37									
65	2 1/2"					24		24										
80	3"					37		37		48/62	48		62					
100	4"											62		73				
150	6'														113	90	113	90/113
200	8"																	
250	10"																	
300	12"																	

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