

Control Valve Selection Guide

	1 VALVE ASSEMBLY	2 ACTION				3 TRIM FEATURES				4 CHARACTERISTICS			5 END CONNECTIONS			6 TRIM MAT'L	
		DIRECT	REVERSE	3-WAY	UNBALANCED	BALANCED	SINGLE SEATED	DOUBLE SEATED	TOP/BTM GUIDED	CAGE GUIDED	Q.O.	=%	LINEAR	SCREWED	UNIONS		FLANGED
		(10 SQ" ACTUATOR INCLUDED AS PART OF VC-210)															
1.	VC-210	1/2	X	X	X	X				X	X	X	3-WAY	X			316 SS
		3/4	X	X	X	X				X	X	X	3-WAY	X			316 SS
		1	X	X	X	X				X	X	X	3-WAY	X			316 SS
2.	BC	1	X			X				X				X			BRASS
		1-1/4	X			X				X				X			WITH SOFT SEAT DISC
		1-1/4	X			X				X				X			
		2	X			X				X				X			
		2-1/2	X	X		X				X							125 LB ANSI
3.	BG	1/2	X			X				X				X			316 SS
		3/4	X			X				X				X			316 SS
		1	X			X				X				X			316 SS
		1-1/4	X			X				X				X			
		1-1/2	X			X				X				X			
4.	CSS	1/2	X	X		X				X		X		X			316 SS
		3/4	X	X		X				X		X		X			TEFLON O-RING
		1	X	X		X				X		X		X			
		1-1/4	X			X				X				X			
		1-1/2	X			X				X				X			
5.	FA	3/4		X			SEMI-BALANCED		X	X		X			X		BRONZE
		1		X			SEMI-BALANCED		X	X		X			X		BRONZE
		1-1/4		X			SEMI-BALANCED		X	X		X			X		BRONZE
		1-1/2		X			SEMI-BALANCED		X	X		X			X		BRONZE
		2		X			SEMI-BALANCED		X	X		X				X	BRONZE
6.	MA	2-1/2	X	X			SEMI-BALANCED		X	X		X				X	BRONZE
		3	X	X				SEMI-BALANCED		X	X		X			X	BRONZE
		4	X	X				SEMI-BALANCED		X	X		X			X	BRONZE
		3/4	X				X	X		X	X				X		316 SS
		1	X				X	X		X	X				X		316 SS
7.	MASS MASS	1-1/4	X				X	X		X	X			X			316 SS
		1-1/2	X				X	X		X	X			X		300 LB ANSI 316 SS	
		2	X				X	X		X	X			X		300 LB ANSI 316 SS	
		3/4	X				X	X		X	X			X			
		1	X				X	X		X	X			X			
8.	WA	1/2			X	X									X		316 SS
		3/4			X	X									X		316 SS
		1			X	X									X		316 SS
		1-1/4			X	X									X		316 SS
		1-1/2			X	X									X		316 SS
9.	WCSS	1/2			X	X						X		X			316 SS
		3/4			X	X						X		X			316 SS
		1			X	X						X		X			316 SS
10.	WD	2			X	X										X	150 LB ANSI BRASS
		2-1/2			X	X										X	BRASS
		3			X	X										X	BRASS
		4			X	X										X	BRASS
		5			X	X										X	BRASS
		6			X	X										X	BRASS
11.	WE	1/2			X	X						X		X			BRASS
		3/4			X	X						X		X			BRASS
		1			X	X						X		X			BRASS
		1-1/4			X	X						X		X			BRASS
		1-1/2			X	X						X		X			BRASS
		2			X	X						X		X			BRASS
		2-1/2			X	X						X				X	BRASS
		3			X	X						X				X	BRASS
4			X	X						X				X	BRASS		
12.	WESS	1-1/2			X	X						X		X			316 SS
		2			X	X						X		X			316 SS

7				8			9		10			11			12	13	14
BODY MATERIAL				SEAT LEAKAGE			CV	PACKING			MAXIMUM ALLOWABLE ΔP (PSIG) WITH STANDARD ACTUATORS			ACTUATOR	TEMP RANGE	BODY RATING PSIG	
BRASS	CLASS B GRAY IRON	CFBM SST	WCB STEEL	CLASS II	CLASS III	CLASS IV		TEFLON	GRAPHITE	U-CUP	ATC	ATO	3-WAY				
ASTM-B62							.3-6-2.3	BELLEWS			90	100	60				
X		X			X		7.3	SEAL			50	100	35	10 SQ IN	-20°F TO 350°F	300 PSIG	
X		X			X		9.5	↓			30	50	20				
X					X		9.3	X			40						
X					X		17	X			40			VC-230A		300 PSIG	
X					X		25	X			40			VC-231A	-20°F TO 300°F	AT 100°F	
X					X		40	X			40						
	X				X		72	X			15			VC-300A		175 PSIG	
	X				X		102	X			10			VC-301A		AT 100°F	
	X				X		164	X			5						
X					X		2	X			125						
X					X		5.3	X			125			VC-230A		300 PSIG	
X					X		9.5	X			125			VC-231A	-20°F TO 300°F	AT 100°F	
X					X		15	X			125						
X					X		23	X			100						
X					X		52	X			35			VC-300A, VC-301A			
		X			X		.3-6-2.3	X			100			VC-230A		450 PSIG	
		X			X		7.3	X			100			VC-231A	-20°F TO 350°F	AT 100°F	
		X			X		9.5	X			100						
X				X			9.3		X		125						
X				X			17.6		X		125						
X				X			22.5		X		125						
X				X			30.4		X		125			VC-230A	-20°F TO 400°F	200 PSIG	
X	X			X			59.3		X		125			VC-231A		AT 100°F	
X	X			X			82.5	X	X		125					175 PSIG	
X	X			X			130	X	X		125					AT 100°F	
X	X			X			226	X	X		125						
X					X		9.8	X			250						
X					X		12.8	X			250						
X					X		18.6	X			250			VC-230A	-20°F TO 400°F	250 PSIG	
X					X		26.0	X			250			VC-231A			
	X				X		47.5	X			150				-20°F TO 350°F	125 PSIG	
		X	X		X		10.5	X			250						
		X	X		X		12	X			250			VC-230A	-20°F TO 400°F	300 PSIG	
		X	X		X		30	X			250			VC-231A		AT 500°F	
		X	X		X		49	X			150						
B-A B-C																	
X				X			4.2	3.1			X			75			
X				X			7.8	5.6			X			75			
X				X			11.1	8.8			X			75			
X				X			23.5	18.1			X			75			
X				X			31.7	25			X			75			
		X			X		2.2		X					40		450 PSIG	
		X			X		4.6		X					40		AT 100°F	
		X			X		9.0		X					40			
E-B E-C																	
X							64	64			X			40			
X							81	88			X			40			
X							115	106			X			40			
X							220	237			X			40			
X							344	385			X			40			
X							506	563			X			40			
X							2.2		X		50						
X							4.6		X		50						
X							9		X		50						
X							18		X		50			VC-230A	-20°F TO 250°F	300 PSIG	
X							25		X		50			VC-231A			
X							40		X		50						
	X						72		X		20			VC-300A		150 PSIG	
	X						94		X		20			VC-301A			
	X						170		X		5						
		X					20		X		50			VC-230A			
		X					40		X		50			VC-231A	-20°F TO 250°F		