#### Mixing Valves

			5/8" OD 45° SAE Flared	Threaded NPT	Union Sweat	
3-Way Brass Trim Mixing Valves Body Type <sup>b</sup>						
Series F	Part Nu	ımbers	VB-7312-0-4-	VB-7313-0-4-	VB-7314-0-4-	
Pipe Size			½" I.D.		1/2"2"	
Stem FI			Stem Up Closes A Port and Opens B Port to the Common AB Port			
ANSIP	ANSI Pressure Class		250 psi (up to 400 psi below 150°F)  Designed to ANSI V with ANSI IV above 35 psi (241 kPa) close off with long			
ANSI A Port Seat Leakage <sup>d</sup>			ANSI Class III <sup>a</sup>	term seat leakage dependent on proper water conditioning maintenance of the system.		
ANSI B Port Seat Leakage <sup>d</sup>			ANSI Class III			
Control Media and Temperature			20281°F (-7138°C) water (up to 60% glycol/water solution)			
Water Flow Curve			Modified Linear			
Allowable ΔP for water			35 psi (241 kPa) <sup>a</sup>	87 psi (600 kPa) Max. for normal life <sup>d</sup>		
Size	Cv	Kvs	Valve Body Part Numbers			
1/2"	2.2	19	VB-7312-0-4-02	VB-7313-0-4-02	VB-7314-0-4-02	
/2	4.4	3.8	VB-7312-0-4-04	VB-7313-0-4-04	VB-7314-0-4-04	
3/,"	7.5	6.5		VB-7313-0-4-06	VB-7314-0-4-06	
1"	12	10.4		-	_	
	14	12.1		VB-7313-0-4-08	VB-7314-0-4-08 <sup>c</sup>	
11/4"	20	17.3	_	VB-7313-0-4-09	VB-7314-0-4-09 <sup>c</sup>	
1½"	28	24.2		VB-7313-0-4-10	VB-7314-0-4-10 <sup>c</sup>	
2"	36	31.3		_	_	
	41	35.5		VB-7313-0-4-11	VB-7314-0-4-11 <sup>c</sup>	

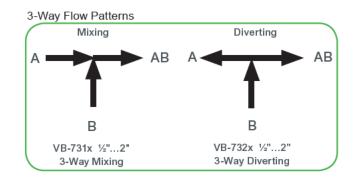
a,d - To minimize noise, ensure the flow rate in the piping is less than three meters (10ft)/second and the differential pressure is less than 35 psi (241 kPa). Operating within the cavitation zone or an operating differential pressure above 35 psi (241 kPa) may result in additional noise but is acceptable up to 87 psi (600 kPa).

b - The VB-7363-0-4- series has stainless steel trim.

- c These part numbers do not have RoHs compliant nuts and tall pieces. d Refer to Seat Leakage Classes table.

## Seat Leakage Classes

ANSI/FCI 70-2 Leakage Class	Maximum Seat Leakage	
Class II	0.5% of rated Cv	
Class III	0.1% of Rated Cv	
Class IV	0.01% of Rated Cv	
Class V	0.0005 ml per minute per inch of orifice diameter per psi differential	



# VB-7300 ½"...2" 3-Way Diverting & Sequencing Valves

### Diverting and Sequencing Valves

			Diverting Threaded NPT	5/8" OD 45° SAE Flared Sequencing	
3-Way Brass Trim Diverting and Sequencing Valves Body Types					
Series P	art Nui	mbers	VB-7323-0-4-	VB-7332-0-4-	
Pipe Size			1/2"2"	½" I.D.	
Stem Flow Action			Stem Up Closes A Port and Opens AB Port to the Common B Port	Stem Up Opens B to AB and Stem Down Opens A to AB, Stem Mid Position A and B are Both Closed	
Stem Force Allowed			300 Lbs.		
ANSI Pressure Class			250 psi (up to 400 psi below 150°F)	250 psi (up to 400 psi below 150°F)	
ANSI A Port Seat Leakage <sup>a</sup>			ANSI Class III		
Control Media and Temperature			20281°F (-7138°C) water (up to 60% glycol/water solution)		
Water Flow Curve			Modified Linear	Sequencing, Modified Linear	
Allowable ΔP for water			35 psi (241 kPa) Max. for normal Life		
Size	Cv	Kvs	Valve Body Part Numbers		
1/."	2.2	1.9	-	VB-7332-0-4-03	
1/2"	4.4	3.8	VB-7323-0-4-04	VB-7332-0-4-04	
3/4"	7.5	6.5	VB-7323-0-4-06		
1"	14	12.1	VB-7323-0-4-08		
11/4"	1¼" 20 17.3		VB-7323-0-4-09	-	
1½"	28	24.2	VB-7323-0-4-10		
2"	40	34.6	VB-7323-0-4-11		

a - Refer to Seat Leakage Classes.

### Seat Leakage Classes

ANSI/FCI 70-2 Leakage Class	Maximum Seat Leakage	
Class II	0.5% of rated Cv	
Class III	0.1% of Rated Cv	
Class IV	0.01% of Rated Cv	
Class V	0.0005 ml per minute per inch of orifice diameter per psi differential	

