

3-Way Diverting Iron w/MP Motors

2-1/2" – 5"

APPLICATION:

Control of Water; Water & Glycol Solutions to 50%.
Valves divert one flow into two directions (Diverting).
Seat Closure ANSI Class II*

CONSTRUCTION:

Body: ANSI B16.1 Iron 125lb. Flange or 250lb. Flange
Trim: Linear, Bronze or 300 Series Stainless Steel
Stem: 316 Stainless Steel
Bonnet: Brass
Packing: Guided Low-Friction TFE V-Ring, Self Adjusting
O-Ring: EPR

TRIM LIMITS (Flowing Differential Pressure):

Brz Trim: Liquids to 40 PSID
S/S Trim: Liquids to 100 PSID

BODY PRESSURE-TEMPERATURE RATINGS:

Temp.	125 FLG (ratings are PSIG)	250 FLG (ratings are PSIG)
+32 to 150° F	175	400
300° F	140	310

CONFIGURATIONS: Select Valve and Actuator Code in Tables:

Valve						AV330 Linkage 24 VAC Supply			AV330 Linkage 330 120 VAC Supply		
Cv	Size (IN)	Flng.	Trim	Valve Code	Shut Off PSID	Fail Closed MP361 Motor CP9302 Drive Actuator Code	Fail Open MP371 Motor CP9302 Drive Actuator Code	Fail Last Pos. MP381 Motor CP9302 Drive Actuator Code	Fail Closed MP465 Motor CP9302 Drive Actuator Code	Fail Open MP475 Motor CP9302 Drive Actuator Code	Fail Last Pos. MP485 Motor CP9302 Drive Actuator Code
68	2.5	125	BRZ	VA3210CA	125	E000	E001	E002	E003	E004	E005
68	2.5	125	S/S	VA3210CC	125	E000	E001	E002	E003	E004	E005
68	2.5	250	BRZ	VA3210DA	125	E000	E001	E002	E003	E004	E005
68	2.5	250	S/S	VA3210DC	125	E000	E001	E002	E003	E004	E005
85	3	125	BRZ	VA3211CA	125	E000	E001	E002	E003	E004	E005
85	3	125	S/S	VA3211CC	125	E000	E001	E002	E003	E004	E005
85	3	250	BRZ	VA3211DA	125	E000	E001	E002	E003	E004	E005
85	3	250	S/S	VA3211DC	125	E000	E001	E002	E003	E004	E005

Valve						AV352 Linkage 24 VAC Supply			AV352 Linkage 352 120 VAC Supply		
Cv	Size (IN)	Flng.	Trim	Valve Code	Shut Off PSID	Fail Closed MP361 Motor CP9302 Drive Actuator Code	Fail Open MP371 Motor CP9302 Drive Actuator Code	Fail Last Pos. MP381 Motor CP9302 Drive Actuator Code	Fail Closed MP465 Motor CP9302 Drive Actuator Code	Fail Open MP475 Motor CP9302 Drive Actuator Code	Fail Last Pos. MP485 Motor CP9302 Drive Actuator Code
160	4	125	BRZ	VA3213CA	125	E006	E007	E008	E009	E010	E011
160	4	125	S/S	VA3213CC	125	E006	E007	E008	E009	E010	E011
160	4	250	BRZ	VA3213DA	125	E006	E007	E008	E009	E010	E011
160	4	250	S/S	VA3213DC	125	E006	E007	E008	E009	E010	E011
195	5	125	BRZ	VA3214CA	125	E006	E007	E008	E009	E010	E011
195	5	125	S/S	VA3214CC	125	E006	E007	E008	E009	E010	E011
195	5	250	BRZ	VA3214DA	125	E006	E007	E008	E009	E010	E011
195	5	250	S/S	VA3214DC	125	E006	E007	E008	E009	E010	E011

- NOTES:**
- 1) Inlet Pressure cannot exceed Body Pressure-Temperature Rating.
 - 2) Shut-off PSID is per stated ANSI Shut-off Classification.
 - 3) Flowing PSID for water service should be no greater than 2/3 of Inlet Pressure unless verified for absence of cavitation with Warren Valve Sizing Program.
 - 4) The difference between the upper port and the lower port pressure must not exceed 50PSID.

