

## SERIES WE06 | W.E. ANDERSON 3-PIECE NPT STAINLESS STEEL V-BALL VALVE

### FEATURES/BENEFITS

- Capable of being configured as manual operated, pneumatic actuated, or electric actuated to suit any application
- Limit switches can be mounted to manual valves for remote monitoring 60° and 90° balls offer an equal percentage flow characteristic for low flow control
- 1/4 turn ball offers bubble tight shut off at high pressure drops
- 1/2" to 3" sizes are available for a variety of applications

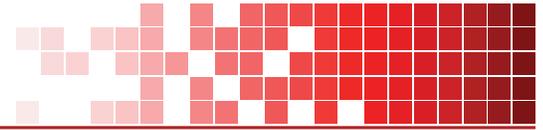
### APPLICATIONS

- Liquid, air, gas, and steam control
- Midstream refinery oil production
- Water mixing tanks
- Ventilation/air conditioning systems

### DESCRIPTION

The **SERIES WE06** 3-Piece NPT Stainless Steel V-Ball Valve incorporates a V-port ball valve for impressive flow rates with minimal pressure drop. Quarter turn control ball valves are compact, lighter weight, and much less expensive than comparable sized globe valves and segmented control valves. They also offer bubble tight shut off with zero leakage and can withstand high pressure drops. The 60° and 90° balls offer an equal percentage flow characteristic. W.E. Anderson's V-port ball valves have been designed to offer maximum flow characteristics that are substantially higher than comparably sized globe valves. The natural flow pattern of ball valves increases flow rates and in many applications, valves smaller than pipeline size can be used. Actuators are directly mounted creating a compact assembly for tight spaces. Limit switches can be mounted directly to the valves allowing for remote position indication. The Series WE06 can be configured with an electric or pneumatic actuator.





## SPECIFICATIONS

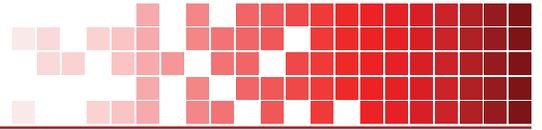
<b>Service</b>	Compatible liquids, gases, and steam.
<b>Body</b>	3-piece
<b>Line Sizes</b>	1/2" to 3"
<b>End Connections</b>	Female NPT.
<b>Pressure Limits</b>	20" Hg to 1000 psi (-0.7 to 69 bar), up to 250°F.
<b>Wetted Materials</b>	Body and ball: 316 SS (CF8M); Stem: 316 SS; Seat: RTFE/PTFE; Seal, washer, and packing: PTFE.
<b>Temperature Limits</b>	-20 to 392°F (-29 to 200°C).
<b>Other Materials</b>	O-ring: Fluoroelastomer; Handle: 304 SS; Washer: 301 SS; Stem nut, locking device, gland ring: 304 SS; Handle sleeve: PVC.

## ACTUATOR SPECIFICATIONS

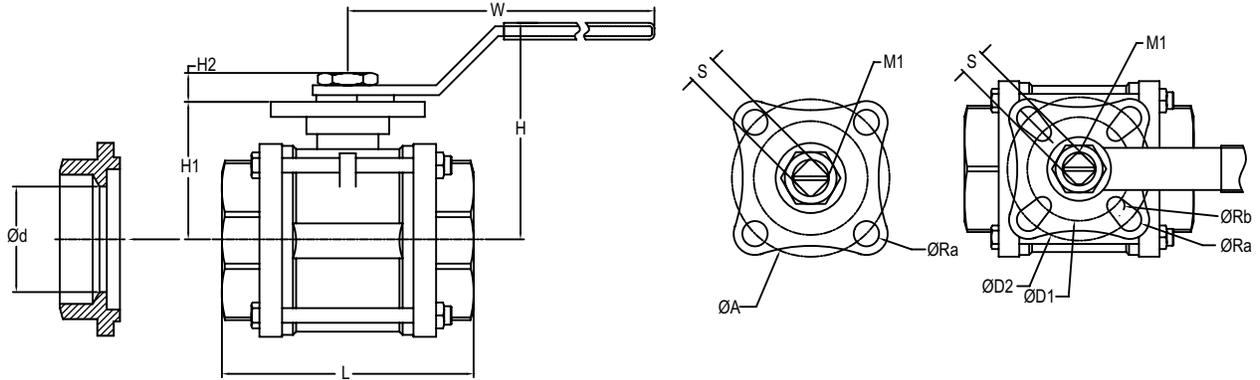
<b>Pneumatic Actuator Type</b>	<b>"SR" Actuators</b>	<b>"DA" Actuators</b>
<b>Normal Supply Pressure</b>	80 psi.	40 to 115 psi.
<b>Air Connections</b>	SR02 to SR07: 1/4" female NPT.	DA01: 1/8" female NPT; DA02 to DA05: 1/4" female NPT.
<b>Housing Material</b>	Anodized aluminum body and epoxy coated aluminum end caps.	Anodized aluminum body and epoxy coated aluminum end caps.
<b>Temperature Limits</b>	-40 to 176°F (-40 to 80°C).	-40 to 176°F (-40 to 80°C).

<b>Electric Actuator Type</b>	<b>"TD" and "MD" Actuators</b>	<b>"TI" and "MI" Actuators</b>
<b>Power Requirements</b>	110 VAC, 220 VAC, 24 VAC, 24 VDC (MD models not available in 24 VDC).	110 VAC, 220 VAC, 24 VAC, or 24 VDC.
<b>Enclosure Rating</b>	NEMA 4X.	NEMA 7, designed to meet hazardous locations: Class I, Group C & D; Class II, Group E, F, & G; Division I & II.
<b>Housing Materials</b>	Powder coated aluminum.	Powder coated aluminum.
<b>Temperature Limits</b>	-22 to 140°F (-30 to 60°C).	-40 to 140°F (-40 to 60°C).
<b>Electrical Connection</b>	1/2" female NPT.	1/2" female NPT.
<b>Modulating Input</b>	4 to 20 mA.	4 to 20 mA.
<b>Standard Features</b>	Manual override, position indicator, and TD models come with two limit switches.	Position indicator and two limit switches.



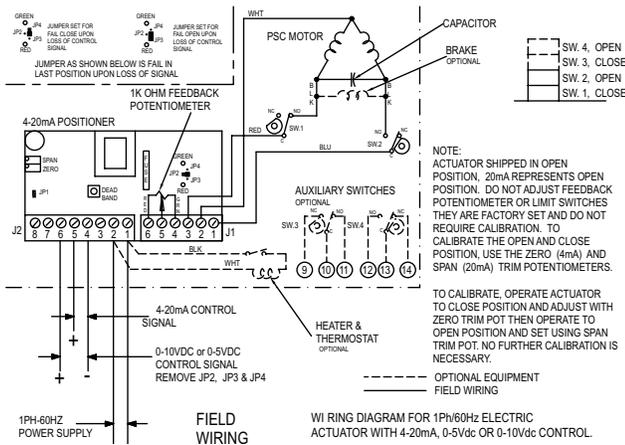


## DIMENSIONS

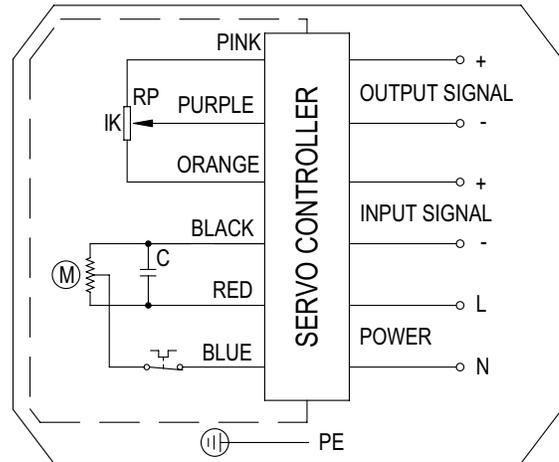


DIMENSIONS in [mm]													
Size	Ød	L	H	W	S	ØD1	ØD	ISO	ØRa	ØRb	M1	Cv	
												60°	90°
1/2"	19/32" (15)	2-9/16" (65)	2-3/8" (60)	4-3/4" (120)	23/64" (9)	1-27/64" (36)	1-21/32" (42)	F03/F04	7/64" (2.75)	7/64" (2.75)	M12x1.25	7.9	9.1
3/4"	15/64" (20)	2-61/64" (75)	2-17/32" (64)	4-3/4" (120)	23/64" (9)	1-27/64" (36)	1-21/32" (42)	F03/F04	7/64" (2.75)	7/64" (2.75)	M12x1.25	13.6	14.2
1"	63/64" (25)	3-11/32" (85)	2-59/64" (74)	5-53/64" (148)	7/16" (11)	1-21/32" (42)	1-31/32" (50)	F04/F05	9/64" (3.5)	7/64" (2.75)	M14x1.5	22.3	29.1
1-1/4"	1-17/64" (32)	3-63/64" (101)	3-1/8" (79)	5-53/64" (148)	7/16" (11)	1-21/32" (42)	1-31/32" (50)	F04/F05	9/64" (3.5)	7/64" (2.75)	M14x1.5	31.5	53.7
1-1/2"	1-1/2" (38)	4-13/32" (112)	3-3/4" (95)	7" (178)	9/16" (14)	1-31/32" (50)	2-49/64" (70)	F05/F07	3/16" (4.5)	9/64" (3.5)	M18x1.5	46.2	75.5
2"	2" (50)	5-1/8" (130)	4-1/16" (103)	7" (178)	9/16" (14)	1-31/32" (50)	2-49/64" (70)	F05/F07	3/16" (4.5)	9/64" (3.5)	M18x1.5	104.7	138.4
2-1/2"	2-1/2" (63)	3-3/8" (162)	4-27/32" (123)	7" (178)	3/4" (19)	2-49/64" (70)	4-1/64" (102)	F07/F10	29/64" (11)	23/64" (9)	M22x1.5	147.5	220.3
3"	3" (76)	7-13/32" (188)	5-3/16" (131.5)	7" (178)	3/4" (19)	2-49/64" (70)	4-1/64" (102)	F07/F10	29/64" (11)	23/64" (9)	M22x1.5	209.1	308.3

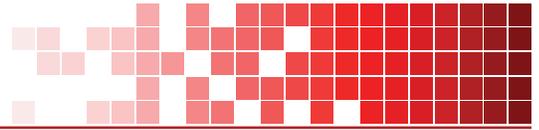
## WIRING DIAGRAMS



Wiring Diagrams for  
MI01-D to MI05-D: 24 VDC

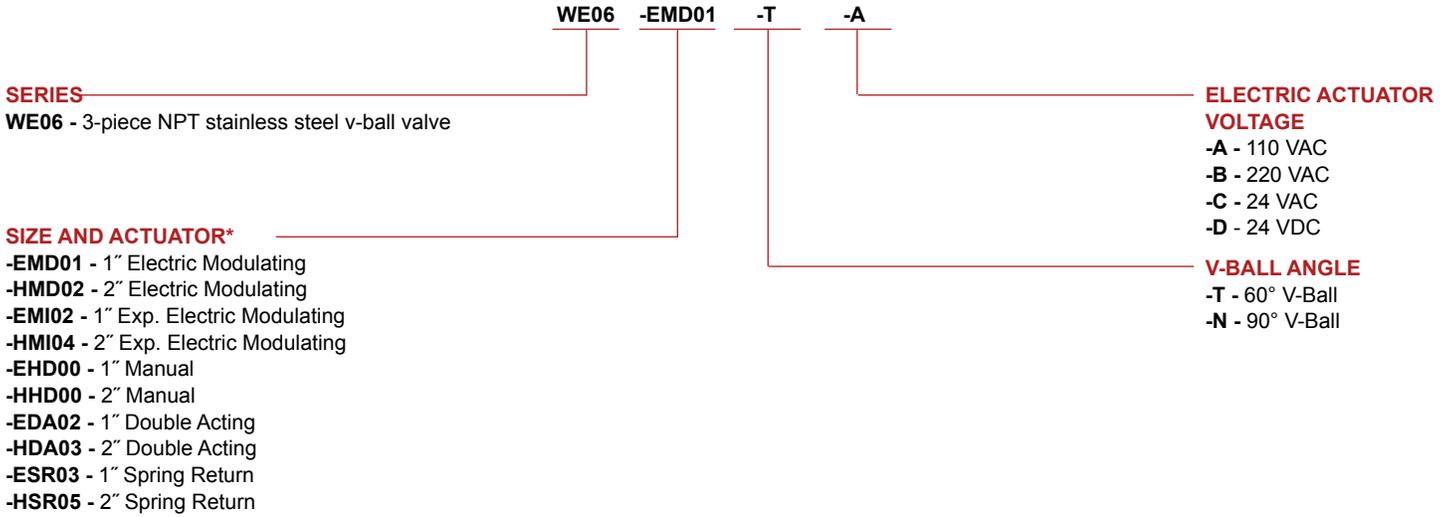


Wiring Diagrams for  
MD01-A to MD03-A: 110 VAC, MD01-B to MD03-B: 220 VAC,  
MD01-C to MD03-C: 24 VAC



## HOW TO ORDER

Use the **bold** characters from the chart below to construct a product code.



\*Only our most popular models are listed. For additional available models, please visit: <https://www.dwyer-inst.com/Product/Valves/Valves/Ball/Automated/SeriesWE06>

