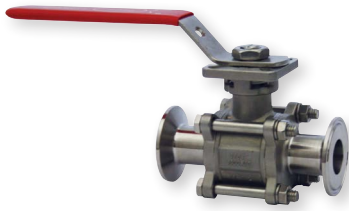


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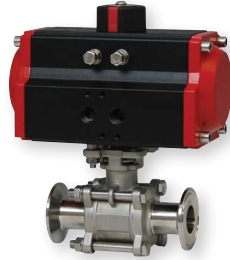
SERIES WE03 | W.E. ANDERSON™ BY DWYER

3-PIECE TRI-CLAMP STAINLESS STEEL BALL VALVES

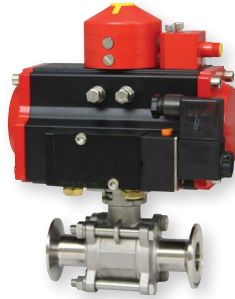
Cavity Filled, Full Port, Electric or Pneumatic Actuators



WE03-DHD00



WE03-DDA01



WE03-DDA01-AA07



WE03-DDA01-AA06



WE03-DTD01-A



The **Series WE03 3-Piece Tri-Clamp Stainless Steel Ball Valves** incorporate a full port 3-piece tri-clamp SS ball valve for great flow rates with minimal pressure drop. The valve features a blowout proof stem for added safety, reinforced PTFE seats and seals for longer life, and a 316 SS (ASTM CF8M) ball for better performance. Actuators are direct mounted creating a compact assembly for tight spaces. Limit switches are able to be mounted directly to the valves allowing for remote position indication.

The Series WE03 can be configured with either an electric or pneumatic actuator. Electric actuators are available in weatherproof or explosion-proof, a variety of supply voltages and two-position or modulating control. Two-position actuators use the supply voltage to drive the valve open or closed, while the modulating actuator accepts a 4 to 20 mA input for valve positioning. Actuators feature thermal overload protection and permanently lubricated gear train.

The pneumatic double acting actuator uses an air supply to drive the valve open and closed. The actuator has two supply ports with one driving the valve open and the other driving the valve closed. Spring return pneumatic actuators use the air supply to open the valve and internally loaded springs return the valve to the closed position. Also available is the SN solenoid valve to electrically switch the air supply pressure between the air supply ports for opening and closing the valve. Actuators are constructed of anodized and epoxy coated aluminum for years of corrosion free service.

FEATURES/BENEFITS

- Capable of being configured to fit any application
- Limit switches can be mounted to manual valves for remote monitoring
- Cavity filled valve for sanitary applications
- Weatherproof or explosion-proof electric actuators
- Double acting or spring return anodized aluminum pneumatic actuators
- Full port design reduces the pressure drop across the valve

APPLICATIONS

- Gas or liquid flow control
- Ideal for quick bubble tight shut-off
- Designed for food and beverage applications

SPECIFICATIONS

VALVE

Service: Compatible liquids and gases.

Body: 3-piece.

Line Sizes: 1/2 to 2".

End Connections: Tri-clamp ends.

Pressure Limits: 28" Hg to 1000 psi (-0.7 to 69 bar) up to 250°F.

Wetted Materials: Body and ball: 316 SS (CF8M); Stem: 316 SS; Seat: RTFE/PTFE; Seal, Washer, and Packing: PTFE.

Temperature Limits: -20 to 392°F (-29 to 200°C).

Other Materials: O-ring:

Fluoroelastomer; Handle: 304 SS; Washer: 301 SS; Stem Nut, Locking Device, Gland Ring: 304 SS; Handle Sleeve: PVC.

Agency Approvals: Meets the technical requirements of EU Directive 2011/65/ EU (RoHS II).

ACTUATORS

Pneumatic "DA" and "SR" Series

Type: DA series is double acting and SR series is spring return (rack and pinion).

Normal Supply Pressure: DA: 40 to 115 psi (2.7 to 7.9 bar); SR: 80 psi (5.5 bar).

Maximum Supply Pressure: 120 psi (8.6 bar).

Air Connections: DA01: 1/8" female NPT; DA02: 1/4" female NPT; SR02 to SR04: 1/4" female NPT.

Housing Material: Anodized aluminum body and epoxy coated aluminum end caps.

Temperature Limits: -40 to 176°F (-40 to 80°C).

Accessory Mounting: NAMUR standard.

Electric "TD" and "MD" Series

Power Requirements: 110 VAC, 220 VAC, 24 VAC or 24 VDC (MD models not available in 24 VDC).
Power Consumption: See instruction manual.

Cycle Time (per 90°): TD01: 4 s; MD01: 10 s; TD02 and MD02: 20 s.

Duty Rating: 85%.

Enclosure Rating: NEMA 4X (IP67).

Housing Material: Powder coated aluminum.

Temperature Limits: -22 to 140°F (-30 to 60°C).

Electrical Connection: 1/2" female NPT.

Modulating Input: 4 to 20 mA.

Standard Features: Manual override, position indicator, and TD models come with two limit switches.

Electric "TI" and "MI" Series

Power Requirements: 110 VAC, 220 VAC, 24 VAC or 24 VDC.

Power Consumption: See instruction manual.

Cycle Time (per 90°): See instruction manual.

Duty Rating: See instruction manual.

Enclosure Rating: NEMA 7, designed to meet hazardous locations: Class I, Group C & D; Class II, Group E, F & G; Division I & II.

Housing Material: Powder coated aluminum.

Temperature Limits: -40 to 140°F (-40 to 60°C).

Electrical Connection: 1/2" female NPT.

Modulating Input: 4 to 20 mA.

Standard Features: Position indicator and two limit switches.

3-PIECE TRI-CLAMP STAINLESS STEEL BALL VALVES

Cavity Filled, Full Port, Electric or Pneumatic Actuators

MODEL CHART											
Size	Cv (gal/min)	Popular Hand Operated Model	Price	Popular Double Acting Pneumatic Model	Price	Popular Spring Return Pneumatic Model	Price	Popular NEMA 4X Two Position Electric (110 VAC) Model	Price	Popular NEMA 4X Modulating Electric (110 VAC) Model	Price
1/2"	14.39	WE03-CHD00	\$108.00 [ⓑ]	WE03-CDA01	\$299.00 [ⓑ]	WE03-CSR02	\$335.00 [ⓑ]	WE03-CTD01-A	\$464.00 [ⓑ]	WE03-CMD01-A	\$905.00 [ⓑ]
3/4"	42.25	WE03-DHD00	116.00 [ⓑ]	WE03-DDA01	335.00 [ⓑ]	WE03-DSR02	392.00 [ⓑ]	WE03-DTD01-A	488.00 [ⓑ]	WE03-DMD01-A	905.00 [ⓑ]
1"	86.17	WE03-EHD00	149.00 [ⓑ]	WE03-EDA02	361.00 [ⓑ]	WE03-ESR03	412.00 [ⓑ]	WE03-ETD01-A	603.00 [ⓑ]	WE03-EMD01-A	1020.00 [ⓑ]
1-1/2"	223.61	WE03-GHD00	256.00 [ⓑ]	WE03-GDA02	490.00 [ⓑ]	WE03-GSR04	567.00 [ⓑ]	WE03-GTD01-A	649.00 [ⓑ]	WE03-GMD01-A	1113.00 [ⓑ]
2"	437.98	WE03-HHD00	371.00 [ⓑ]	WE03-HDA02	618.00 [ⓑ]	WE03-HSR04	670.00 [ⓑ]	WE03-HTD02-A	881.00 [ⓑ]	WE03-HMD02-A	1206.00 [ⓑ]

ⓑ Items are subject to Schedule B discounts.

MODEL CHART - HAND OPERATED & PNEUMATIC ACTUATOR							
Example	WE03	-EDA02	-A	A	06	WE03-EDA02-AA06	Price
Series	WE03					316 SS 3-piece tri-clamp	-
Size and Actuator		CHD00				1/2" hand operated	\$108.00 [ⓑ]
		DHD00				3/4" hand operated	116.00 [ⓑ]
		EHD00				1" hand operated	149.00 [ⓑ]
		GHD00				1-1/2" hand operated	256.00 [ⓑ]
		HHD00				2" hand operated	371.00 [ⓑ]
		CDA01				1/2" double acting	299.00 [ⓑ]
		DDA01				3/4" double acting	335.00 [ⓑ]
		EDA02				1" double acting	361.00 [ⓑ]
		GDA02				1-1/2" double acting	490.00 [ⓑ]
		HDA02				2" double acting	618.00 [ⓑ]
		CSR02				1/2" spring return	335.00 [ⓑ]
		DSR02				3/4" spring return	392.00 [ⓑ]
		ESR03				1" spring return	412.00 [ⓑ]
		GSR04				1-1/2" spring return	567.00 [ⓑ]
	HSR04				2" spring return	670.00 [ⓑ]	
Solenoid			N			No solenoid	-
			A			NEMA 4X NAMUR solenoid	+51.50 [ⓑ]
Solenoid Voltage				N		No solenoid	-
				A		110 VAC	-
				B		220 VAC	-
				C		24 VAC	-
				D		24 VDC	-
			E		12 VDC	-	
Positioner and Switches					00	None	-
					01	42AD0 exp limit switch	+237.00 [ⓑ]
					02	45VD0 exp position transmitter	+541.00 [ⓑ]
					03	42AD0-B ATEX limit switch	+333.00 [ⓑ]
					04	42AD0-IE IECEX limit switch	+330.00 [ⓑ]
					06	QV-210101 poly limit switch	+148.00 [ⓑ]
					07	VPS and P1 prox switch	+212.50 [ⓑ]
					08	265ER-D5 positioner	+659.00 [ⓑ]
					09	285ER-D5 smart positioner	+1545.00 [ⓑ]
Options					NO	Fail open spring return actuator	-

ⓑ Items are subject to Schedule B discounts.

ACCESSORIES		
Model	Description	Price
AFR4	Air filter regulator 0 to 120 psi	\$69.50 [ⓑ]
VB-01	Volume booster	176.00 [ⓑ]

ⓑ Items are subject to Schedule B discounts.

MODEL CHART - ELECTRIC ACTUATOR					
Example	WE03	-CMD01	-A	WE03-CMD01-A	Price
Series	WE03			316 SS 3-piece tri-clamp	-
Size and Actuator		CTD01		1/2" NEMA 4X two-position	\$464.00 [ⓑ]
		DTD01		3/4" NEMA 4X two-position	488.00 [ⓑ]
		ETD01		1" NEMA 4X two-position	603.00 [ⓑ]
		GTD01		1-1/2" NEMA 4X two-position	649.00 [ⓑ]
		HTD02		2" NEMA 4X two-position	881.00 [ⓑ]
		CMD01		1/2" NEMA 4X modulating	905.00 [ⓑ]
		DMD01		3/4" NEMA 4X modulating	905.00 [ⓑ]
		EMD01		1" NEMA 4X modulating	1020.00 [ⓑ]
		GMD01		1-1/2" NEMA 4X modulating	1113.00 [ⓑ]
		HMD02		2" NEMA 4X modulating	1206.00 [ⓑ]
		CTI01		1/2" exp two-position	918.00 [ⓑ]
		DTI01		3/4" exp two-position	927.00 [ⓑ]
		ETI02		1" exp two-position	1067.00 [ⓑ]
		GTI02		1-1/2" exp two-position	1159.00 [ⓑ]
		HTI02		2" exp two-position	1206.00 [ⓑ]
		CMI01		1/2" exp electric modulating	1947.00 [ⓑ]
		DMI01		3/4" exp electric modulating	1947.00 [ⓑ]
	EMI02		1" exp electric modulating	1994.00 [ⓑ]	
	GMI02		1-1/2" exp electric modulating	2086.00 [ⓑ]	
	HMI02		2" exp electric modulating	2160.00 [ⓑ]	
Actuator Voltage			A	110 VAC	-
			B	220 VAC	-
			C	24 VAC	+72.50 [ⓑ]
			D	24 VDC	+72.50 [ⓑ]

ⓑ Items are subject to Schedule B discounts.

REPAIR KIT		
Model	Valve Series and Size	Price
VRK-19	WE03-1/2"	\$22.75
VRK-20	WE03-3/4"	25.25
VRK-21	WE03-1"	40.75
VRK-22	WE03-1-1/2"	123.00
VRK-23	WE03-2"	227.00

Parts List - Included in Kit

1 PTFE thrust washer
1 FKM O-ring
2 PTFE stem packing
2 PTFE seats