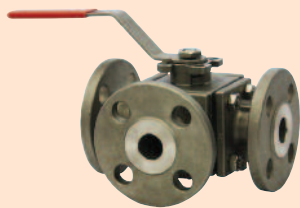




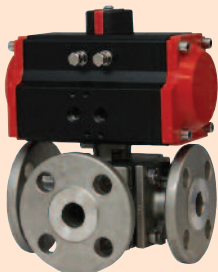
Series  
WE34

# 3-Way Flanged Stainless Steel Ball Valve

## 150# ANSI Flange, Vented Ball, Electric or Pneumatic Actuators



WE34-DHD00-L1



WE34-DDA03-T2



WE34-DDA03-T1-AA01



WE34-DDA03-T2-NN08



WE34-DTI03-T3-A

The Series WE34 incorporates a full port 3-way flanged 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 WE34 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.

### SPECIFICATIONS

#### VALVE

**Service:** Compatible liquids and gases.

**Body:** 3-way.

**Line Sizes:** 1/2 to 3".

**End Connections:** 150# ANSI flange.

**Pressure Limits:** 20" Hg to 275 psi (-0.7 to 19 bar).

#### 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.

### 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 to DA08: 1/4" female NPT;

SR03 to SR09: 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 manual.

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

- Capable of being configured to fit any application
- Limit switches can be mounted to manual valves for remote monitoring

#### Cycle Time (per 90°):

TD01: 4 s;

MD01: 10 s;

TD02 and MD02: 20 s;

TD03 and MD03: 30 s;

TD04 and MD04: 30 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 manual.

#### Cycle Time (per 90°):

TI01 and MI01: 2.5 s;

TI02 and MI02: 5 s;

TI03 and MI03: 5 s;

TI04 and MI04: 10 s;

TI05 and MI05: 15 s;

TI08 and MI08: 12 s.

#### Duty Rating:

Two-Position:

TI01-TI07: 25%;

TI08: 100%.

Modulating:

MI01-MI07: 75%;

MI08: 100%.

**Enclosure Rating:** NEMA 7.

**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.

## Popular Models

Size	Cv (gal/min)	Hand Operated Model	Double Acting Pneumatic Model	Spring Return Pneumatic Model	NEMA 4X Two- Position Electric (110 VAC) Model	NEMA 4X Modulating Electric (110 VAC) Model
1/2"	26	WE34-CHD00-T2	WE34-CDA02-T2	WE34-CSR03-T2	WE34-CTD02-T2-A	WE34-CMD01-T2-A
3/4"	50	WE34-DHD00-T2	WE34-DDA02-T2	WE34-DSR03-T2	WE34-DTD02-T2-A	WE34-DMD01-T2-A
1"	94	WE34-EHD00-T2	WE34-EDA03-T2	WE34-ESR05-T2	WE34-ETD02-T2-A	WE34-EMD02-T2-A
1-1/2"	260	WE34-GHD00-T2	WE34-GDA05-T2	WE34-GSR06-T2	WE34-GTD03-T2-A	WE34-GMD03-T2-A
2"	380	WE34-HHD00-T2	WE34-HDA06-T2	WE34-HSR07-T2	WE34-HTD03-T2-A	WE34-HMD03-T2-A
2-1/2"	650	WE34-IHD00-T2	WE34-IDA07-T2	WE34-ISR08-T2	WE34-ITD04-T2-A	WE34-IMD04-T2-A
3"	1000	WE34-JHD00-T2	WE34-JDA08-T2	WE34-JSR09-T2	WE34-JTD04-T2-A	WE34-JMD04-T2-A

## WE34 Hand Operated and Pneumatic Actuator Model Chart

Example Series	WE34	JDA08	T1	A	B	00	WE34-JDA08-T1-AB00
Size and Actuators	WE34	CHD00 DHD00 EHD00 GHD00 HHD00 IHD00 JHD00 CDA02 DDA02 EDA03 GDA05 HDA06 IDA07 JDA08 CSR03 DSR03 ESR05 GSR06 HSR07 ISR08 JSR09					316 SS 150# 3-Way 1/2" Hand Operated 3/4" Hand Operated 1" Hand Operated 1-1/2" Hand Operated 2" Hand Operated 2-1/2" Hand Operated 3" Hand Operated 1/2" Double Acting 3/4" Double Acting 1" Double Acting 1-1/2" Double Acting 2" Double Acting 2-1/2" Double Acting 3" Double Acting 1/2" Spring Return 3/4" Spring Return 1" Spring Return 1-1/2" Spring Return 2" Spring Return 2-1/2" Spring Return 3" Spring Return
Valve Position			T1 T2 T3 T4 L1				Flow Path A Flow Path B Flow Path C Flow Path D Flow Path E
Solenoid				N A			No Solenoid NEMA 4X NAMUR Solenoid
Solenoid Voltage				N A B C D E			No Solenoid 110 VAC 220 VAC 24 VAC 24 VDC 12 VDC
Positioner and Switches						00 01 02 03 04 05 06 07 08 09	None 42AD0 Exp Limit Switch 45VD0 Exp Position Transmitter 42AD0-B ATEX Limit Switch 42AD0-IE IECEX Limit Switch VPI-M01 NEMA 4X Limit Switch QV-210101 Poly Limit Switch VPS and P1 Prox Switch 265ER-D5 Positioner 285ER-D5 Smart Positioner

## WE34 Electric Actuator Model Chart

Example Series	WE34	HMD03	T3	A	WE34-HMD03-T3-A
Size and Actuators	WE34	CTD02 DTD02 ETD02 GTD03 HTD03 ITD04 JTD04 CMD01 DMD01 EMD02 GMD03 HMD03 IMD04 JMD04 CTI02 DTI02 ETI03 GTI05 HTI06 ITI06 JTI08 CMI02 DMI02 EMI03 GMI05 HMI06 IMI06 JMI08			316 SS 150# 3-Way 1/2" NEMA 4X Two-Position 3/4" NEMA 4X Two-Position 1" NEMA 4X Two-Position 1-1/2" NEMA 4X Two-Position 2" NEMA 4X Two-Position 2-1/2" NEMA 4X Two-Position 3" NEMA 4X Two-Position 1/2" NEMA 4X Modulating 3/4" NEMA 4X Modulating 1" NEMA 4X Modulating 1-1/2" NEMA 4X Modulating 2" NEMA 4X Modulating 2-1/2" NEMA 4X Modulating 3" NEMA 4X Modulating 1/2" Exp Two-Position 3/4" Exp Two-Position 1" Exp Two-Position 1-1/2" Exp Two-Position 2" Exp Two-Position 2-1/2" Exp Two-Position 3" Exp Two-Position 1/2" Exp Electric Modulating 3/4" Exp Electric Modulating 1" Exp Electric Modulating 1-1/2" Exp Electric Modulating 2" Exp Electric Modulating 2-1/2" Exp Electric Modulating 3" Exp Electric Modulating
Valve Position			T1 T2 T3 T4 L1		Flow Path A Flow Path B Flow Path C Flow Path D Flow Path E
Actuator Voltage				A B C D	110 VAC 220 VAC 24 VAC 24 VDC

## ACCESSORIES

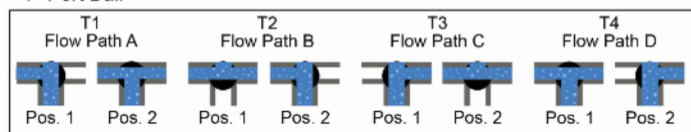
R2-2120, Air Regulator

AFR2-2, Instrument Air Filter Regulator

VB-01, Volume Booster

## Flow Paths

### "T" Port Ball



### "L" Port Ball

