



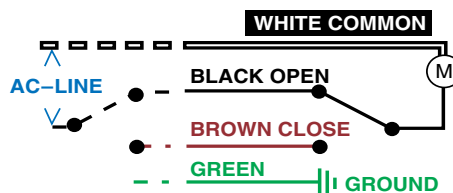
EATB Series Electric Actuator and True Union Valve



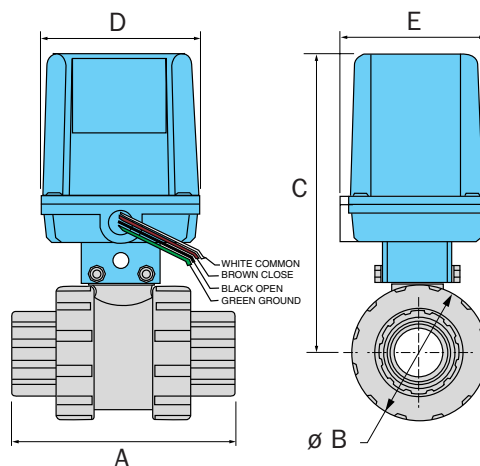
Overview

Moderately priced, full featured, plastic ball valve with unidirectional quarter-turn actuator. Fully serviceable true union ball valve provides reliable, long-term service in a wide range of corrosive applications. All plastic actuator features an integrally molded bracket and provides ample torque for 1/2" - 2" valve operation.

Wiring Diagram



Dimensions



Valve Features

- 1/2 - 2" Corrosion-Resistant True Union Ball Valve
- Pressure Rating to 250 psi
- EPDM Seals/FPM Seals
- PTFE Seats
- Full Port Design
- Fully Serviceable
- Double O-ring Stem Seal

Actuator Features

- All Plastic Weather-Resistant Enclosure
- 2.5-second Cycle Time
- Thermal Overload Protection
- Permanently Lubricated Gear Train
- Nema 4/4X Enclosure
- Actuator Brake for Full Open/Close
- No Adjustments Needed

Dimensions-Inches

Size	Part Number	A	B	C	D	E	Weight (lb/kg)
1/2"	EATB1050STE	4.63	2.25	8.40			6.8/3.1
3/4"	EATB1075STE	4.75	2.63	8.60			
1"	EATB1100STE	5.25	3.00	9.10	4.88	4.13	
1 1/2"	EATB1150STE	6.75	4.00	9.50			8.1/3.7
2"	EATB1200STE	8.00	4.75	10.10			9.8/4.5
1/2"	EATB1050STV	4.63	2.25	8.40			6.8/3.1
3/4"	EATB1075STV	4.75	2.63	8.60			
1"	EATB1100STV	5.25	3.00	9.10	4.88	4.13	
1 1/2"	EATB1150STV	6.75	4.00	9.50			8.1/3.7
2"	EATB1200STV	8.00	4.75	10.10			9.8/4.5



EATB Series Electric Actuator and True Union Valve

Actuator Specifications

Model	EATB
Torque Output (in-lbs)	140
Standard Voltage	110 VAC
Duty Cycle	25%
Thermal Overload	Standard
Cycle Time (secs @ 90°)	2.5
Conduit Entry	1/2" NPT
Enclosure	NEMA 4/4X
Enclosure Material	Polypropylene
Max Current Amps @ 115 Vac	2.8

C_v Factors

Size	Factor
1/2"	8.0
3/4"	15.0
1"	29.0
1 1/4"	75.0
1 1/2"	90.0
2"	140.0

Pressure Loss Calculation Formula

$$\Delta P = \left[\frac{Q}{C_v} \right]^2$$

ΔP = Pressure Drop
 Q = Flow in GPM
 C_v = Flow Coefficient

Valve Specifications

Valve Type	True Union
Material of Construction	PVC
Seals	EPDM/FPM
Seats	PTFE
End Connections	Socket or Threaded
Sizes	1/2", 3/4", 1", 1 1/2" and 2"
Pressure Rating	250 psi @ 70°F, Non-shock
Design	Full Port

Operating Temperature/Pressure

