



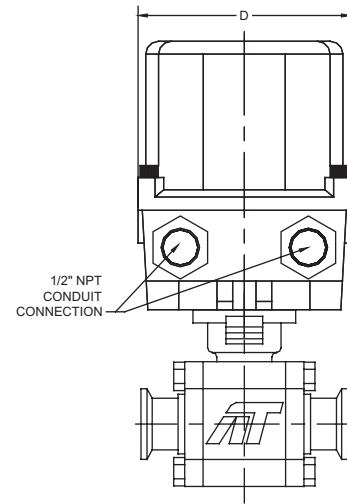
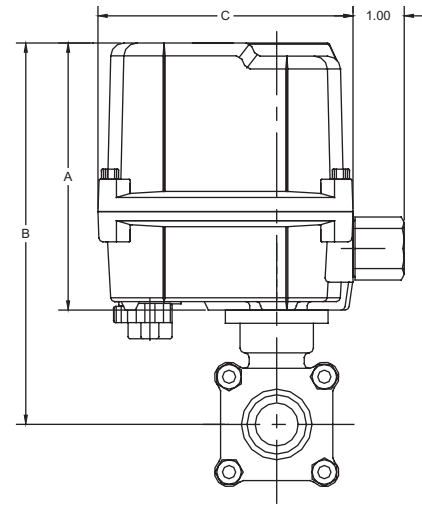
# Electric

## Automated Ball Valve Package

### Series 77 Sanitary End 3-Piece Ball Valve

- Full Port Valve
- 800/1000 WOG psi (by size)
- Available 1/2" - 4"
- 316L Body, Ball & Stem
- PTFE Seats
- Sanitary or Tube OD Ends
- Cavity Filled or Non-Cavity Filled

**STANDARDS**  
 ASME BPE-1997  
 ISO 5211/1, 5209, 5752, 7/1, 261  
 MSS SP25  
 BS 5351



#### DIMENSIONS (IN) NON-CAVITY FILLED

VALVE SIZE	A	B	C	D
1/2"	5.24	6.90	4.94	4.08
3/4"	5.24	7.13	4.94	4.08
1"	5.24	7.47	4.94	4.08
1-1/2"	5.24	8.29	4.94	4.08
2"	9.25	12.60	10.16	6.69
2-1/2"	10.55	14.83	13.31	9.02
3"	10.55	15.18	13.31	9.02
4"	10.55	15.77	13.31	9.02

#### CAVITY FILLED

VALVE SIZE	A	B	C	D	VALVE Cv
1/2"	5.24	6.90	4.94	4.08	10
3/4"	5.24	7.13	4.94	4.08	30
1"	5.24	7.47	4.94	4.08	65
1-1/2"	5.24	8.29	4.94	4.08	200
2"	9.25	12.60	10.16	6.69	410
2-1/2"	10.55	14.83	13.31	9.02	600
3"	10.55	15.18	13.31	9.02	1050
4"	10.55	15.77	13.31	9.02	1900

#### NON-CAVITY FILLED

ON-OFF		MODULATING	
SIZE	MODEL	SIZE	MODEL
1/2"	77-C1-050/WEA1-XX	1/2"	77-C1-050/WEA2-XX
3/4"	77-C1-075/WEA1-XX	3/4"	77-C1-075/WEA2-XX
1"	77-C1-100/WEA1-XX	1"	77-C1-100/WEA2-XX
1-1/2"	77-C1-150/WEA1-XX	1-1/2"	77-C1-150/WEA2-XX
2"	77-C1-200/WEB1-XX	2"	77-C1-200/WEB2-XX
2-1/2"	77-C1-250/WEC1-XX	2-1/2"	77-C1-250/WEC2-XX
3"	77-C1-300/WEC1-XX	3"	77-C1-300/WEC2-XX
4"	77-C1-400/WED1-XX	4"	77-C1-400/WED2-XX

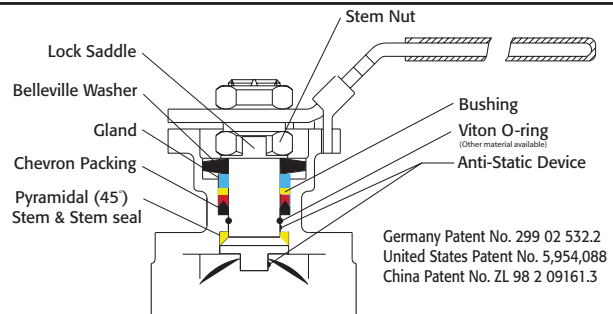
#### CAVITY FILLED

ON-OFF		MODULATING	
SIZE	MODEL	SIZE	MODEL
1/2"	77-CF-050/WEA1-XX	1/2"	77-CF-050/WEA2-XX
3/4"	77-CF-075/WEA1-XX	3/4"	77-CF-075/WEA2-XX
1"	77-CF-100/WEA1-XX	1"	77-CF-100/WEA2-XX
1-1/2"	77-CF-150/WEB1-XX	1-1/2"	77-CF-150/WEB2-XX
2"	77-CF-200/WEC1-XX	2"	77-CF-200/WEC2-XX
2-1/2"	77-CF-250/WED1-XX	2-1/2"	77-CF-250/WED2-XX
3"	77-CF-300/WEE1-XX	3"	77-CF-300/WEE2-XX
4"	77-CF-400/WEE1-XX	4"	77-CF-400/WEE2-XX

#### OPTIONS

DESCRIPTION
24 VAC/24 VDC/220VAC
Feedback potentiometer

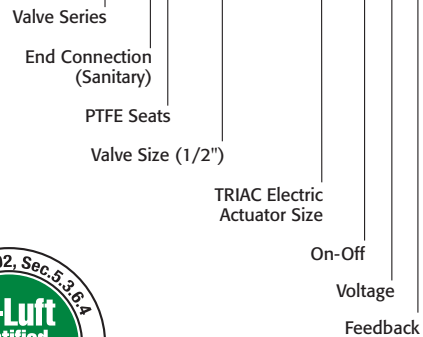
NOTE: Heater and thermostat standard (2) auxiliary switches standard  
 Other options available - call for details  
 Actuators are sized based on clean/clear fluid.  
 See valve part number matrix for complete part number and options  
 0308-77E



Germany Patent No. 299 02 532.2  
 United States Patent No. 5,954,088  
 China Patent No. ZL 98 2 09161.3

#### SAMPLE PART #

### 77-C1-050/WEA1-XX



Triac Division  
 11363 Deerfield Rd.  
 Cincinnati, Ohio 45242  
 PHONE (513) 247-5465  
 FAX (513) 247-5462  
 e-mail: sales@a-tcontrols.com  
 www.a-tcontrols.com

# Valve Options

## Various Seat Materials

PTFE, RTFE, 50/50, 15% CFTE, Delrin PEEK, Hard Facing, UHMWPE, TFM-1600

Several hard face and metal-metal options

## Gear Operators

Quarter-turn Gear Operators

Spring Return "Deadman" Handles

Oval handles, TEE Handles

## Specials and Solutions

Steam Jackets

Stem Extensions

V-ported Control Valves

Multi-port Valve Solutions

Fugitive Emissions Bonnets (TSM's)

Oxygen Cleaning

Lockout Brackets

Vented Balls

"No Play" Mounting Kits

- **FM Approved Valves and Assemblies**



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# Other Products

## Special Seats

Balls and Seal Designs



## Steam Jacketed Valves



## Floor Mounted Damper Drives



## Limit Switches

Mounted on Manual Valves



## Fusible Link Assemblies



## 180° Actuators



## Lockout Mounting Kits



## Stem Extensions



## Special Multi-Port Valves



## Dual Valve Assemblies

