

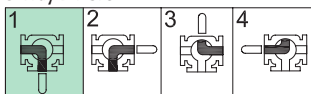


This investment cast 3-way valve can be an economical option for flow patterns that normally require multiple 2-way valves. Available in L or T port configurations, this valve is excellent for diverting flow within control loop processes. The ISO 5211 mounting pad optimizes quick & easy automation. Available only in 316 stainless steel with RTFE seat trim.

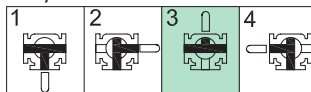
| VALVE SIZE | VALVE Cv "L" | VALVE Cv "T" |
|------------|--------------|--------------|
| 1/4"       | 3            | 3.5          |
| 3/8"       | 3.5          | 4            |
| 1/2"       | 4.2          | 5            |
| 3/4"       | 7            | 8            |
| 1"         | 14           | 20           |
| 1-1/4"     | 19           | 30           |
| 1-1/2"     | 35           | 40           |
| 2"         | 45           | 60           |

#### FLOW PATTERNS

##### 3-Way L-Port



##### 3-Way T-Port



Shaded boxes indicate standard flow path from factory unless otherwise specified by customer. Automated assemblies rotate counter-clockwise standard from the factory when energized. For L-Ports that would be L1 to L2 and T3 to T4 for T-ports. By specifying FCCW or DAR actuators, multiple flow patterns can be achieved to meet process requirements.

## Easy to Automate!

See automated data sheets for pre-sized assemblies



Pneumatic



Electric



# Series 38

## 3-Way Ball Valve Threaded

Sizes 1/4"- 2"

1000 psig

EN 1.4408 SST

Regular Port Design

Threaded Ends

ISO 5211 Actuator Mounting Pad

Blowout Proof Stem

4 Seat Design (RTFE standard)

"L" or "T" Port Option

Lockable Manual Handle

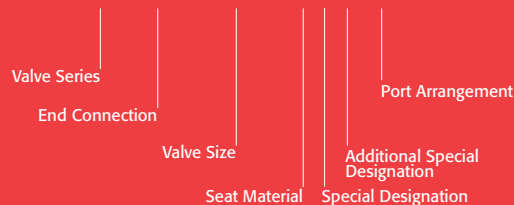
#### STANDARDS

|                           |                     |
|---------------------------|---------------------|
| Design                    | EN-1983, EN-12516-3 |
| End Connections           | ASME B1.20.1        |
| Pressure Testing          | EN-1226-1           |
| Mounting                  | ISO 5211            |
| Marking System for Valves | EN 19               |
| Material Certification    | EN 10204-3.1 MTR    |
| Quality Assurance         | ISO 9001:2015       |

## HOW TO ORDER MANUAL VALVES

SAMPLE PART #

**38-TH-0025-XXX-T**



See part number matrix for itemized options



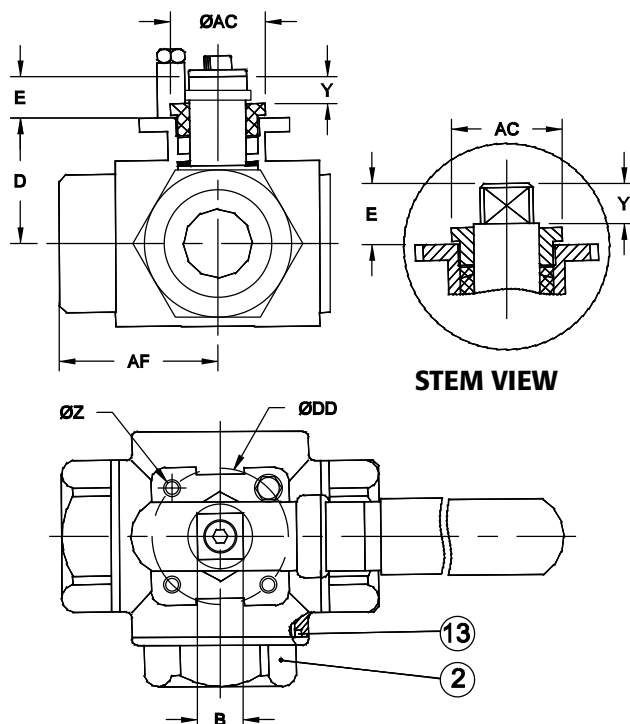
9955 International Blvd.  
Cincinnati, Ohio 45246  
www.atcontrols.com

PHONE (513) 247-5465  
FAX (513) 247-5462  
sales@atcontrols.com

# Series 38

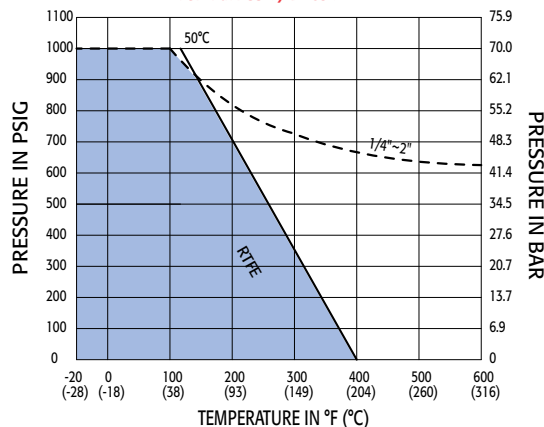
## Three-Way Threaded Ball Valve Regular Port, L or T Option

1000 psig  
1/4" to 2"



STEM VIEW

Pressure vs. Temperature Chart  
for Valves 1/4" to 2"



Break Away  
Torque  
for RTFE Seats

| SIZE   | IN-LBS. |
|--------|---------|
| 1/4"   | 65      |
| 3/8"   | 65      |
| 1/2"   | 90      |
| 3/4"   | 118     |
| 1"     | 200     |
| 1-1/4" | 315     |
| 1-1/2" | 440     |
| 2"     | 528     |

NOTE: Dotted line shows the rating for valve body. Solid line shows the rating for valve seat. Both ratings need to be considered when determining the limitation of the valve for specific application.

### MATERIAL LIST

| NO. | PART NAME     | QTY | MATERIAL                              | REPAIR KIT |
|-----|---------------|-----|---------------------------------------|------------|
| 1   | BODY          | 1   | ASTM A351 GRADE CF8M<br>EN 1.4408 SST |            |
| 2   | END CAP       | 3   | ASTM A351 GRADE CF8M<br>EN 1.4408 SST |            |
| 3   | BALL          | 1   | 1/4" THRU 3/8" ASTM<br>A276 SS316     |            |
| 3   | BALL          | 1   | 1/2" THRU 2" ASTM A351<br>GRADE CF8M  |            |
| 4   | STEM          | 1   | ASTM A276 SS316                       |            |
| 5   | STEM NUT      | 2   | AISI 304                              |            |
| 6   | STEM WASHER   | 1   | AISI 304                              |            |
| 7   | HANDLE        | 1   | AISI 304                              |            |
| 8   | SEAT          | 4   | RTFE                                  | ✓          |
| 9   | GLAND NUT     | 1   | AISI 304                              |            |
| 10  | GLAND PACKING | 1   | PTFE                                  | ✓          |
| 11  | THRUST WASHER | 1   | RTFE                                  | ✓          |
| 12  | STEM SPACER   | 1   | AISI 304                              |            |
| 13  | JOINT GASKET  | 3   | PTFE                                  | ✓          |
| 14  | SPACER        | 1   | AISI 304                              |            |
| 15  | HANDLE LOCK   | 1   | AISI 304                              |            |
| 16  | HANDLE SLEEVE | 1   | VINYL                                 |            |
| 17  | STOP BOLT     | 1   | AISI 304                              |            |

### DIMENSIONS (IN)

| SIZE   | A    | B     | C    | D    | E    | F    | L    | Y    | Z  | AB   | AC   | AE   | AF   | DD    | ISO 5211 | LBS   |
|--------|------|-------|------|------|------|------|------|------|----|------|------|------|------|-------|----------|-------|
| 1/4"   | 0.43 | 0.354 | 5.25 | 1.06 | 0.42 | 2.39 | 2.73 | 0.20 | M5 | 1.37 | 0.87 | 0.61 | 1.37 | 1.654 | F04      | 1.32  |
| 3/8"   | 0.43 | 0.354 | 5.25 | 1.06 | 0.42 | 2.39 | 2.73 | 0.20 | M5 | 1.37 | 0.87 | 0.61 | 1.37 | 1.654 | F04      | 1.32  |
| 1/2"   | 0.49 | 0.354 | 5.25 | 1.20 | 0.42 | 2.52 | 2.98 | 0.19 | M5 | 1.49 | 0.87 | 0.68 | 1.49 | 1.654 | F04      | 1.54  |
| 3/4"   | 0.63 | 0.433 | 7.03 | 1.45 | 0.55 | 3.24 | 3.41 | 0.28 | M6 | 1.70 | 1.22 | 0.76 | 1.70 | 1.969 | F05      | 2.42  |
| 1"     | 0.79 | 0.433 | 7.03 | 1.60 | 0.79 | 3.39 | 4.03 | 0.45 | M6 | 2.02 | 1.22 | 0.85 | 2.02 | 1.969 | F05      | 3.86  |
| 1-1/4" | 0.98 | 0.433 | 8.26 | 1.85 | 0.94 | 3.60 | 4.65 | 0.63 | M6 | 2.33 | 1.22 | 0.93 | 2.33 | 1.969 | F05      | 5.33  |
| 1-1/2" | 1.26 | 0.433 | 8.19 | 2.14 | 1.02 | 4.04 | 4.95 | 0.61 | M8 | 2.48 | 1.22 | 0.92 | 2.48 | 2.756 | F07      | 7.49  |
| 2"     | 1.50 | 0.551 | 9.05 | 2.48 | 1.00 | 4.36 | 5.87 | 0.61 | M8 | 2.93 | 1.34 | 1.00 | 2.93 | 2.756 | F07      | 12.00 |



## ***Pneumatic Spring Return***

## Automated Ball Valve Package

## Series 38 3-Way Ball Valve

Sizes 1/4"- 2"

1000 psig

EN 1.4408 SST

## Regular Port Design

## Threaded Ends

## ISO 5211 Actuator Mounting Pad

## Blowout Proof Stem

### 4 Seat Design (RTFE standard)

## "L" or "T" Port Option

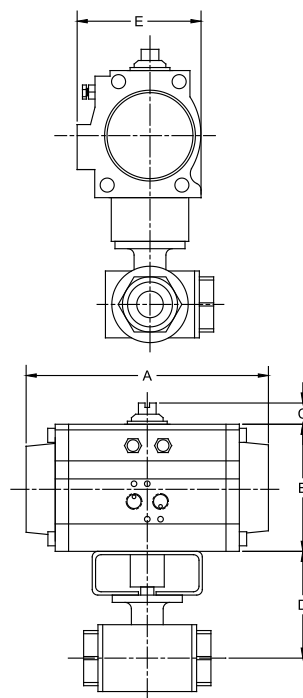
## Lockable Manual Handle

## STANDARDS

|                           |                     |
|---------------------------|---------------------|
| Design                    | EN-1983, EN-12516-3 |
| End Connections           | ASME B1.20.1        |
| Pressure Testing          | EN-1226-1           |
| Mounting                  | ISO 5211            |
| Marking System for Valves | EN 19               |
| Material Certification    | EN 10204-3.1 MTR    |
| Quality Assurance         | ISO 9001:2015       |



## Threaded 3-Way



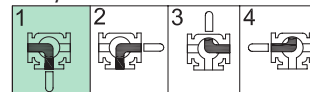
### DIMENSIONS (IN)

| VALVE SIZE | A     | B    | C     | D    | E    | VALVE Cv                |               |
|------------|-------|------|-------|------|------|-------------------------|---------------|
|            |       |      |       |      |      | T-PORT<br>STRAIGHT THRU | L-PORT<br>90° |
| 1/4"       | 6.50  | 2.84 | 0.787 | 2.62 | 2.82 | 3                       | 3.5           |
| 3/8"       | 6.50  | 2.84 | 0.787 | 2.62 | 2.82 | 3.5                     | 4             |
| 1/2"       | 7.60  | 3.47 | 0.787 | 2.76 | 3.35 | 4.2                     | 5             |
| 3/4"       | 7.60  | 3.47 | 0.787 | 3.62 | 3.35 | 7                       | 8             |
| 1"         | 9.29  | 4.30 | 0.787 | 3.17 | 4.18 | 14                      | 20            |
| 1-1/4"     | 11.02 | 4.61 | 0.787 | 3.42 | 4.27 | 19                      | 30            |
| 1-1/2"     | 11.50 | 5.28 | 0.787 | 4.11 | 5.78 | 35                      | 40            |
| 2"         | 11.50 | 5.28 | 0.787 | 4.45 | 5.78 | 45                      | 60            |

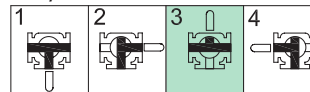
DIMENSIONS SHOWN ARE FOR ASSEMBLIES SIZED FOR 80 PSI SUPPLY

## FLOW PATTERNS

### 3-Way L-Port



### 3-Way T-Port



| SIZED FOR<br>80 psi AIR SUPPLY |                   |
|--------------------------------|-------------------|
| SIZE                           | MODEL             |
| 1/4"                           | 38-TX-025/3RDS-XX |
| 3/8"                           | 38-TX-038/3RDS-XX |
| 1/2"                           | 38-TX-050/3RES-XX |
| 3/4"                           | 38-TX-075/3RES-XX |
| 1"                             | 38-TX-100/3RFS-XX |
| 1-1/4"                         | 38-TX-125/3RGS-XX |
| 1-1/2"                         | 38-TX-150/3RHS-XX |
| 2"                             | 38-TX-200/3RHS-XX |

| SIZED FOR<br>60 psi AIR SUPPLY |                   |
|--------------------------------|-------------------|
| SIZE                           | MODEL             |
| 1/4"                           | 38-TX-025/3RE4-XX |
| 3/8"                           | 38-TX-038/3RE4-XX |
| 1/2"                           | 38-TX-050/3RE4-XX |
| 3/4"                           | 38-TX-075/3RF4-XX |
| 1"                             | 38-TX-100/3RF4-XX |
| 1-1/4"                         | 38-TX-125/3RG4-XX |
| 1-1/2"                         | 38-TX-150/3RH4-XX |
| 2"                             | 38-TX-200/3RJ4-XX |

| OPTIONS  |                              |                   |
|----------|------------------------------|-------------------|
| SUFFIX 1 | Accessories/Options          | Model no.         |
| X        | No Specials                  |                   |
| A        | TYPE 4 Solenoid 120VAC       | TVCS-X411-4N-A120 |
| B        | TYPE 7 Solenoid 120VAC       | TVCS-X411-7N-A120 |
| C        | Intrinsically Safe Solenoid  | TVIS-X411-4N-D24  |
| D        | TYPE 4 Solenoid 24VDC        | TVCS-X411-4N-D24  |
| F        | TYPE 7 Solenoid 24VDC        | TVCS-X411-7N-D24  |
| Q        | TYPE 4 SST Solenoid 120VAC   | TVSS-X411-4N-A120 |
| M        | TYPE 7 SST Solenoid 120VAC   | TVSS-X411-7N-A120 |
| L        | TYPE 4 SST Solenoid 24VDC    | TVSS-X411-4N-D24  |
| N        | TYPE 7 SST Solenoid 24VDC    | TVSS-X411-7N-D24  |
| P        | Pneumatic Positioner         | PPR-1200          |
| E        | Electro-Pneumatic Positioner | EPR-1000          |

| SUFFIX 2 | Accessories                     | Model no. |
|----------|---------------------------------|-----------|
| X        | No Specials                     |           |
| A        | TYPE 4 Limit Switch             | APL-210N  |
| B        | TYPE 7 Limit Switch             | APL-510N  |
| C        | Intrinsically Safe Limit Switch | APL-218N  |
| Q        | TYPE 4 SST Limit Switch         | APL-910N  |
| M        | TYPE 7 SST Limit Switch         | APL-510S  |
| H        | NEMA 4 Std. Enc.                | APL-310N  |

Other options available - call for details  
Actuators are sized based on full differential pressure with clean water. Consult the Application Sizing Guide for assistance with sizing actuators.

**SAMPLE PART #**

**38-TX-050/3RES-XX**

Valve Series | | | | | | | | | |

End Connection | | | | | | | | | |

Seat Material | | | | | | | | | |

Valve Size | | | | | | | | | |

TRIAC Actuator Series | | | | | | | | | |

Actuator Size | | | | | | | | | |

Spring Return | | | | | | | | | |

*See automated part number matrix on back cover for complete part number and options.*

**SUFFIX 1:** Solenoids

**SUFFIX 2:** Limit Switch

## Electric

### Automated Ball Valve Package

#### Series 38 3-Way Ball Valve

Sizes 1/4" - 2"

1000 psig

EN 1.4408 SST

Regular Port Design

Threaded Ends

ISO 5211 Actuator Mounting Pad

Blowout Proof Stem

4 Seat Design (RTFE standard)

"L" or "T" Port Option

Lockable Manual Handle

#### STANDARDS

Design

End Connections

Pressure Testing

Mounting

Marking System for Valves

Material Certification

Quality Assurance

EN-1983, EN-12516-3

ASME B1.20.1

EN-1226-1

ISO 5211

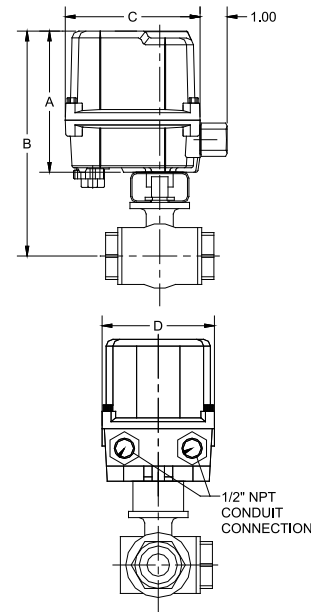
EN 19

EN 10204-3.1 MTR

ISO 9001:2015



Threaded 3-Way



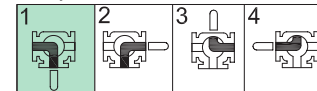
#### DIMENSIONS (IN)

| VALVE SIZE | A    | B     | C    | D     | E    |
|------------|------|-------|------|-------|------|
| 1/4"       | 5.24 | 7.78  | 4.94 | 4.08  | 2.58 |
| 3/8"       | 5.24 | 7.78  | 4.94 | 4.08  | 2.58 |
| 1/2"       | 5.24 | 7.92  | 4.94 | 4.08  | 2.58 |
| 3/4"       | 5.24 | 8.26  | 4.94 | 4.08  | 2.58 |
| 1"         | 5.24 | 8.42  | 4.94 | 4.08  | 3.29 |
| 1-1/4"     | 5.24 | 8.66  | 4.94 | 4.08  | 4.41 |
| 1-1/2"     | 9.25 | 13.36 | 6.69 | 10.16 | 4.41 |
| 2"         | 9.25 | 13.70 | 6.69 | 10.16 | 4.41 |

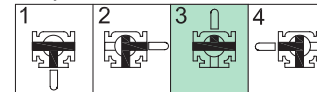
| VALVE Cv                |               |
|-------------------------|---------------|
| T-PORT<br>STRAIGHT THRU | L-PORT<br>90° |
| 3                       | 3.5           |
| 3.5                     | 4             |
| 4.2                     | 5             |
| 7                       | 8             |
| 14                      | 20            |
| 19                      | 30            |
| 35                      | 40            |
| 45                      | 60            |

#### FLOW PATTERNS

##### 3-Way L-Port



##### 3-Way T-Port



#### ON-OFF

| SIZE   | MODEL             |
|--------|-------------------|
| 1/4"   | 38-TX-025/WEA1-XX |
| 3/8"   | 38-TX-038/WEA1-XX |
| 1/2"   | 38-TX-050/WEA1-XX |
| 3/4"   | 38-TX-075/WEA1-XX |
| 1"     | 38-TX-100/WEA1-XX |
| 1-1/4" | 38-TX-125/WEA1-XX |
| 1-1/2" | 38-TX-150/WEB1-XX |
| 2"     | 38-TX-200/WEB1-XX |

#### MODULATING

| SIZE   | MODEL             |
|--------|-------------------|
| 1/4"   | 38-TX-025/WEA2-XX |
| 3/8"   | 38-TX-038/WEA2-XX |
| 1/2"   | 38-TX-050/WEA2-XX |
| 3/4"   | 38-TX-075/WEA2-XX |
| 1"     | 38-TX-100/WEA2-XX |
| 1-1/4" | 38-TX-125/WEA2-XX |
| 1-1/2" | 38-TX-150/WEB2-XX |
| 2"     | 38-TX-200/WEB2-XX |

#### OPTIONS

| Suffix 1 | Voltage / Accessory             | Model No. |
|----------|---------------------------------|-----------|
| X        | No Specials                     |           |
| R        | 24VDC Electric Actuator         |           |
| S        | 220VAC Electric Actuator        |           |
| T        | Other Voltage Electric Actuator |           |
| W        | 12VDC Electric Actuator         |           |
| Y        | 24VAC Electric Actuator         |           |

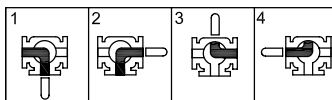
\* No voltage specified on electric assemblies denotes 120VAC

#### Suffix 2 Accessories

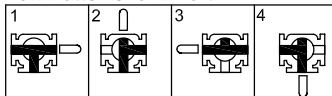
|   |                         |
|---|-------------------------|
| X | No Specials             |
| 1 | HS1 High Speed Electric |
| 2 | HS2 High Speed Electric |

Other options available - call for details  
Actuators are sized based on full differential pressure with clean water. Consult the Application Sizing Guide for assistance with sizing actuators.

#### Flow Patterns for L-Port



#### Flow Patterns for T-Port



SAMPLE PART #  
**38-TX-050/WEA1-XX**

Valve Series | | | | | | | | | |  
End Connection | | | | | | | | | |  
Seat Material | | | | | | | | | |  
Valve Size | | | | | | | | | |  
TRIAC Actuator Series | | | | | | | | | |  
Actuator Size | | | | | | | | | |  
On-Off | | | | | | | | | |

See automated part number matrix on back cover for complete part number and options.

SUFFIX 1: Voltage  
SUFFIX 2: Options

Series 38

HOW TO ORDER:  
Manual Valves

| 2  | Valve Series            |
|----|-------------------------|
| 38 | 3-Way NPT, Regular Port |

| 3     | Body/Ball/Stem Material          |
|-------|----------------------------------|
| Blank | Valve Series Standard 1.4408 SST |

| 4  | End Connection |
|----|----------------|
| TH | NPT Ends       |

| 5    | Valve Size |      |        |  |
|------|------------|------|--------|--|
| 0025 | 1/4"       | 0100 | 1"     |  |
| 0038 | 3/8"       | 0125 | 1-1/4" |  |
| 0050 | 1/2"       | 0150 | 1-1/2" |  |
| 0075 | 3/4"       | 0200 | 2"     |  |

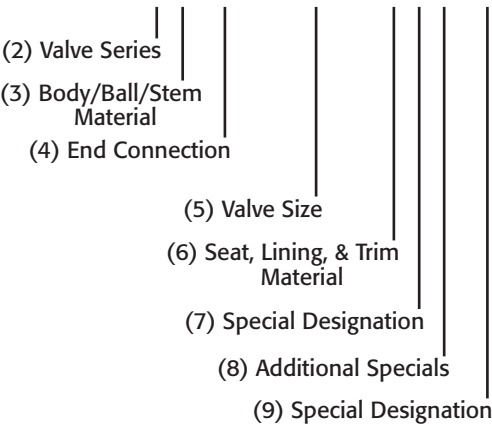


| 6 | Seat, Lining & Trim Materials |
|---|-------------------------------|
| X | Reinforced TFE Seats (RTFE)   |

| 7 | Special Designation                |
|---|------------------------------------|
| X | No Specials/Series Standard Handle |
| G | Gear Operator                      |
| H | Gear Operator with Lockout Plate   |
| O | Oval Handle                        |
| S | Spring Return Handle               |
| 4 | 4" Lockable Stem Extension         |

| 8 | Additional Specials          |
|---|------------------------------|
| X | No Specials, Series Standard |
| O | Oxygen Cleaned               |

MANUAL VALVE  
SAMPLE PART #  
38-TH-0150-XXX-T



| 9 | Special Designation      |
|---|--------------------------|
| L | L-Port 3-Way arrangement |
| T | T-Port 3-Way arrangement |

# HOW TO ORDER: Automated Valves

## Series 38

| 2  | Valve Series            |
|----|-------------------------|
| 38 | 3-Way NPT, Regular Port |

| 3     | Body/Ball/Stem Material          |
|-------|----------------------------------|
| Blank | Valve Series Standard 1.4408 SST |

| 4 | End Connection |
|---|----------------|
| T | NPT Ends       |

| 5 | Seat, Lining & Trim Materials |
|---|-------------------------------|
| X | Reinforced TFE Seats (RTFE)   |

| 6   | Valve Size |
|-----|------------|
| 025 | 1/4"       |
| 038 | 3/8"       |
| 050 | 1/2"       |
| 075 | 3/4"       |

### 7 (A) Pneumatic Actuator - 3R, 3N, 3P Series

|     |       |     |        |
|-----|-------|-----|--------|
| 3RC | 3R10  | 3RM | 3R850  |
| 3RD | 3R20  | 3RN | 3R1000 |
| 3RE | 3R40  | 3RP | 3R1200 |
| 3RF | 3R80  | 3RR | 3R1750 |
| 3RG | 3R130 | 3RS | 3R2400 |
| 3RH | 3R200 | 3RT | 3R2500 |
| 3RJ | 3R300 | 3RU | 3R2700 |
| 3RK | 3R500 | 3RV | 3R3300 |
| 3RL | 3R700 | 3RW | 3R3500 |

3R=Standard, 3N=Electroless Nickel Plating,  
3P=Teflon™ (PTFE) Coating

| 7 (A) Pneumatic Actuator - S2 Series |        |     |        |
|--------------------------------------|--------|-----|--------|
| S2C                                  | S2-052 | S2G | S2-125 |
| S2D                                  | S2-063 | S2H | S2-140 |
| S2E                                  | S2-083 | S2J | S2-160 |
| S2F                                  | S2-105 | S2K | S2-210 |

| 7 (B) Pneumatic Action |                          |
|------------------------|--------------------------|
| D                      | Double Acting (DA)       |
| S                      | Spring CW (5 springs)*   |
| O                      | Spring CCW (5 springs)*  |
| 4                      | Spring CW (4 springs)**  |
| F                      | Spring CCW (4 springs)** |
| 6                      | Spring CW (6 springs)    |
| H                      | Spring CCW (6 springs)   |

\*2500 & 3500 80 psig spring  
\*\*2500 & 3500 60 psig spring

| 7    | Actuator - Electric (On-Off) |      |          |
|------|------------------------------|------|----------|
| WEX1 | WE-350                       | WEG1 | WE-5200  |
| WEA1 | WE-500                       | WEH1 | WE-6900  |
| WEB1 | WE-690                       | WEJ1 | WE-10500 |
| WEC1 | WE-1350                      | WEK1 | WE-17500 |
| WED1 | WE-1700                      | WEL1 | WE-25900 |
| WEE1 | WE-2640                      | WEM1 | WE-53000 |
| WEF1 | WE-4400                      | WEN1 | WE-80000 |

| 7    | Actuator - Electric (Modulating) |      |           |
|------|----------------------------------|------|-----------|
| WEA2 | WEM-500                          | WEH2 | WEM-6900  |
| WEB2 | WEM-690                          | WEJ2 | WEM-10500 |
| WEC2 | WEM-1350                         | WEK2 | WEM-17500 |
| WED2 | WEM-1700                         | WEL2 | WEM-25900 |
| WEE2 | WEM-2640                         | WEM2 | WEM-53000 |
| WEF2 | WEM-4400                         | WEN2 | WEM-80000 |
| WEG2 | WEM-5200                         |      |           |

| 8 | Accessories/Options             | Model no.         |
|---|---------------------------------|-------------------|
| X | No Specials                     |                   |
| A | TYPE 4 Solenoid 120VAC          | TVCS-X411-4N-A120 |
| B | TYPE 7 Solenoid 120VAC          | TVC6-X411-7N-A120 |
| C | Intrinsically Safe Solenoid     | TVIS-X411-4N-D24  |
| D | TYPE 4 Solenoid 24VDC           | TVCS-X411-4N-D24  |
| F | TYPE 7 Solenoid 24VDC           | TVC6-X411-7N-D24  |
| Q | TYPE 4 SST Solenoid 120VAC      | TVSS-X411-4N-A120 |
| M | TYPE 7 SST Solenoid 120VAC      | TVSS-X411-7N-A120 |
| L | TYPE 4 SST Solenoid 24VDC       | TVSS-X411-4N-D24  |
| N | TYPE 7 SST Solenoid 24VDC       | TVSS-X411-7N-D24  |
| P | Pneumatic Positioner            | PPR-1200          |
| E | Electro-Pneumatic Positioner    | EPR-1000          |
| R | 24VDC Electric Actuator         |                   |
| S | 220VAC Electric Actuator        |                   |
| T | Other Voltage Electric Actuator |                   |
| W | 12VDC Electric Actuator         |                   |
| Y | 24VAC Electric Actuator         |                   |

\* No voltage specified on electric assemblies denotes 120VAC

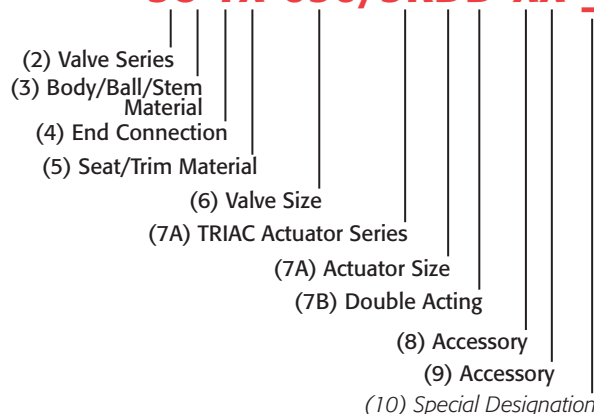
| 9 | Accessories                     | Model no. |
|---|---------------------------------|-----------|
| X | No Specials                     |           |
| A | TYPE 4 Limit Switch             | APL-210N  |
| B | TYPE 7 Limit Switch             | APL-510N  |
| C | Intrinsically Safe Limit Switch | APL-218N  |
| Q | TYPE 4 SST Limit Switch         | APL-910N  |
| Z | 180° Operation                  |           |
| M | TYPE 7 SST Limit Switch         | APL-510S  |
| H | NEMA 4 Std. Enc.                | APL-310N  |
| 1 | HS1 High Speed Electric         |           |
| 2 | HS2 High Speed Electric         |           |

| 10 | Special Designation      |
|----|--------------------------|
| L  | L-Port 3-Way arrangement |
| T  | T-Port 3-Way arrangement |

## AUTOMATED VALVE

SAMPLE PART #

**38-TX-050/3RDD-XX-**



# Valve Options

## **Various Seat Materials**

PTFE, RTFE, 50/50 STFE, 25% CTFE, Delrin, PEEK, UHMWPE, TFM-1600

## **Operator Options**

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**



*Manual and automated valve assemblies for gas burner management applications and safety shutoff*

# Other Products

## **Special Seats Balls and Seal Designs**



## **Floor Mounted Damper Drives**



## **Fusible Link Assemblies**



## **Lockout Mounting Kits**



## **Special Multi-Port Valves**



## **Steam Jacketed Valves**



## **Limit Switches Mounted on Manual Valves**



## **180° Actuators**



## **Stem Extensions**



## **Dual Valve Assemblies**



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