



Appendix B - Premium Actuated Valve Part Number Selection

The section is provided for formulation of part numbers on custom actuated valve packages. A 3-step process is used to build custom actuated valve part numbers:

Step 1 - Select the desired type, style, options and material of valve from appropriate Valve Selection Table. Specify nominal valve size from Size Code available.

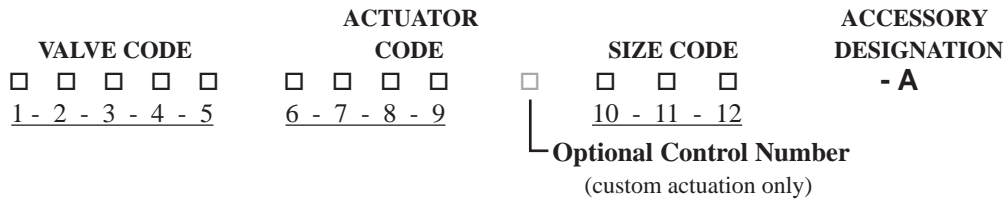
Step 2 - Select the desired actuator style options from the Actuator Selection Tables

Step 3 - Select desired actuator accessories (if any) from the Accessories Selection Tables.

IMPORTANT: Custom accessories are ordered under a separate part number from the actuated Valve Package. Accessory part numbers are ordered individually and factory assembled with selected Actuated Valve Package.

If any accessories are being ordered, add the suffix, "- A" to the end of the Actuated Valve Package part number. This suffix is added only if an Accessory(s) is being selected for add on to the initial Actuated Valve Package.

ACTUATED VALVE PACKAGE PART NUMBER POSITIONS

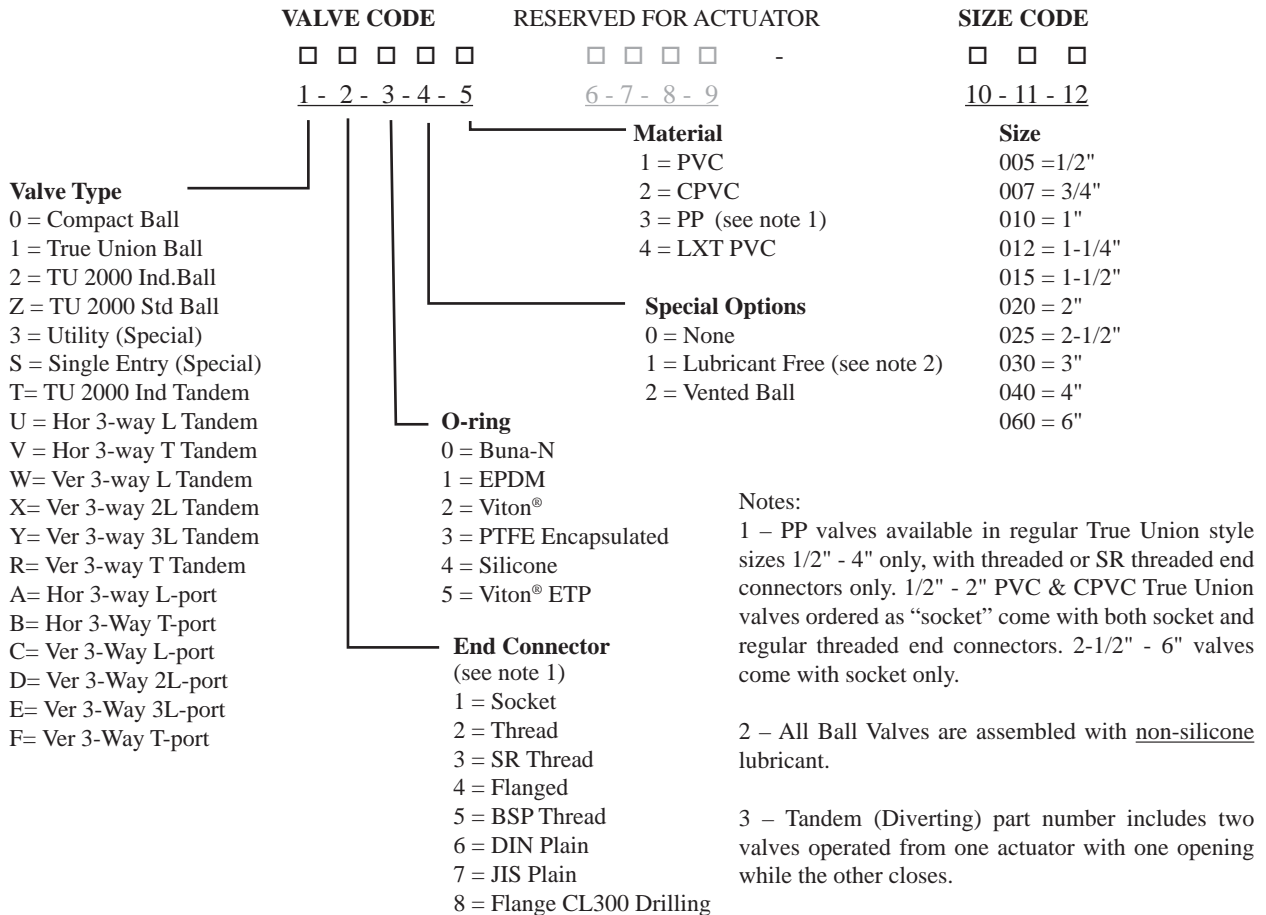


Step 1: Valve & Size Code Selection

Spears® actuated valve selection table include Ball Valves (Selection Table 1) Butterfly Valves (Selection Table 2), Diaphragm Valves (Selection Table 3) and Gate Valves (Selection Table 3A). Use the table information to complete the Valve Code in the package part number.

Table 1: BALL VALVES

(Valve Type - End Connector - O-ring - Special Options - Material - Size Selection)



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Table 2: BUTTERFLY VALVES
(Valve Type - Stem - Seat & O-ring - Special Options - Material – Size Selection)

	VALVE CODE	Reserved for Actuator	SIZE CODE
	□ □ □ □ □	□ □ □ □	□ □ □
	1 - 2 - 3 - 4 - 5	6 - 7 - 8 - 9	10 - 11 - 12
Valve Type	<ul style="list-style-type: none"> 4 = Std. Butterfly 5 = True Lug Butterfly 6 = Tandem 3-Way (see note 6) 7 = Tandem Diverting (see note 7) 8 = High Purity TFM J = Pool Butterfly - white (see note 8) K = Wafer Butterfly L = Shaved Std. Butterfly 	<p>Material</p> <ul style="list-style-type: none"> 1 = PVC (see note 1) 2 = CPVC 3 = PP (see note 2) <p>Special Options (see note 3)</p> <ul style="list-style-type: none"> 0 = None 1 = Zinc plated Lugs (for True Lug) 2 = SS 316 Lugs (for True Lug) 3 = Non lubricated 4 = Zinc lug/ non lubricated 5 = SS 316 lug/ non lubricated 6 = No Seat (duct application) 7 = Zinc plated Lug Inserts (for Std. Butterfly) 8 = SS Lug Inserts (for Std. Butterfly) 	<p>Size (see note 5)</p> <ul style="list-style-type: none"> 015 = 1-1/2" 020 = 2" 025 = 2-1/2" 030 = 3" 040 = 4" 060 = 6" 080 = 8" 100 = 10" 120 = 12" 140 = 14" 160 = 16" 180 = 18" 200 = 20" 240 = 24"
Stem Material	<ul style="list-style-type: none"> 1 = SS 316 2 = PTFE Coated SS 316 3 = Titanium 4 = Hastaloy 	<p>Seat & O-ring (see note 4)</p> <ul style="list-style-type: none"> 1 = Buna-N 2 = EPDM 3 = Viton® 4 = PTFE Sleeved 5 = TFM 6 = PTFE Sleeved EPDM 	

Notes:

- 1 – PVC and CPVC valves available through 14" only.
- 2 – All PP and 14" PVC/CPVC valves available in Standard Butterfly style only.
- 3 – Lugs specified with True Lug and Lug Insert styles only.
- 4 – PP valves are standard with EPDM or Viton®.
- 5 – Actuated valve sizes 14" and larger are custom produced to order, contact Spears® Technical Services.
- 6 – Tandem 3-Way part number includes two valves operated from one actuator, both closing or both opening at the same time.
- 7 – Tandem Diverting part number includes two valves operated from one actuator with one opening while the other closes.
- 8 – Pool Butterfly Valves available in sizes 1-1/2" to 12" with SS316 Stem, EPDM Seats, PVC White only. No other options are available.



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Table 3: DIAPHRAGM VALVES
(Valve Type - End Connector - O-ring - Diaphragm - Material - Size Selection)

	VALVE CODE	Reserved for Actuator	-	SIZE CODE
	□ □ □ □ □	□ □ □ □		□ □ □
	1 - 2 - 3 - 4 - 5	6 - 7 - 8 - 9		10 - 11 - 12
<p>Valve Type</p> <p>9 = Diaphragm Valve H = Zero Dead Leg</p> <p>End Connector (see note 1)</p> <p>1 = Socket (True Union) 2 = Thread (True Union) 3 = SR Thread (True Union) 4 = Spigot 5 = Flanged 6 = DIN Plain 7 = JIS 8 = BSP Thread</p>	<p>Material (see note 1)</p> <p>1 = PVC 2 = CPVC 3 = PP 4 = LXT PVC 5 = PVC/Hastaloy-C Bolts 6 = CPVC/Hastaloy-C Bolts 7 = PVC/Titanium Bolts 8 = CPVC/Titanium Bolts</p> <p>Diaphragm</p> <p>1 = Buna-N 2 = EPDM 3 = Viton® 4 = Hypalon® (CSM) 5 = PTFE w/EPDM 6 = PTFE w/Viton®</p> <p>O-ring (see note 2)</p> <p>0 = None 1 = EPDM 2 = Viton® 3 = PTFE Encapsulated</p>	<p>Size (see note 1)</p> <p>005 = 1/2" 007 = 3/4" 010 = 1" 012 = 1-1/4" 015 = 1-1/2" 020 = 2" 025 = 2-1/2" 030 = 3" 040 = 4" 060 = 6" 080 = 8"</p>		

Notes:

- 1 – All valves with socket, thread, or SR thread end connectors are True Union style only.
 Socket end connectors available on PVC and CPVC valve sizes 1/2" - 2" only.
 Thread and SR thread end connectors available on PVC, CPVC, and PP valve sizes 1/2" - 2" only.
 DIN, JIS, and BSP end connectors available on PVC and CPVC valve sizes 1/2" - 2" only.
 Flanged end connectors available on all sizes of PVC and CPVC valves.
 Flanged end connectors available on PP valve sizes 3" and larger only.
 Zero Dead Leg valves are Socket Tee x selected End Connector code.
- 2 – O-rings are used on True Union style valves sizes 1/2" - 2" with socket, thread, or SR thread end connectors only.
 Enter "0" for all other end connectors.



Appendix B - Premium Actuated Valve Part Number Selection

Step 2: Actuator Code Selection

Spears® actuated valves are available with either electric or pneumatic motors. Actuators are pre matched to each type and size of valve with proper operating torque and cycle time. Additional actuator accessories are selected and are factory installed on the Actuated Valve Package in Step 3 instructions.

Select the applicable options from either the Electric Actuators (Selection Table 4) or Pneumatic Actuators (Selection Table 5) and enter the designated **Actuator Code** portion of the package part number.

Table 4: ELECTRIC ACTUATORS

(Voltage - Enclosure Rating - Manual Override - Duty Cycle)

ACTUATOR CODE				Optional Control Number (not used on basic packages)		
□ □ □ □ □	□ □ □ □	□	-	□ □ □		
<u>1 - 2 - 3 - 4 - 5</u>	<u>6 - 7 - 8 - 9</u>			<u>10 - 11 - 12</u>		
Reserved for Valve				Reserved for Size		
Voltage (see note 1) A = 115 VAC 60 Hz B = 230 VAC 60 Hz C = 230 VAC 3-phase 50 Hz (EU) D = 230 VAC 3-phase 60 Hz E = 24 VAC F = 12 VDC G = 24 VDC L = 460 VAC 3-Phase 50 Hz (EU) M = 460 VAC 3-Phase 60 Hz R = 415 VAC 3-Phase 50 Hz (EU) S = 230 VAC 50 Hz (EU) T = 575 VAC 3-Phase 60Hz (EU) U = 115 VAC 50 Hz (EU) X = Single Indicator Switch Only (see note 2) Y = Double Indicator Switch Only (see note 2) Z = Actuator Bracket Only (see note 2) 1 = 480 VAC 50 Hz 2 = 480 VAC 60 Hz 3 = 480 VAC 3-Phase 50 Hz 4 = 480 VAC 3-Phase 60 Hz Enclosure 1 = NEMA 4 4 = NEMA 9 2 = NEMA 4x 5 = NEMA 4 Double Powder Coated 3 = NEMA 7 6 = NEMA 4x Double Powder Coated	Duty Cycle (see note 3) 1 = 25% 7 = 40% 2 = 75% 8 = 60% 3 = 100% 9 = 20% 4 = 50% 5 = 70% (custom only) 6 = 80% (custom only)	Manual Override (see note 4) 0 = None 1 = Basic Manual Override 2 = Declutchable Manual Override 3 = Spring Return Open with Declutchable Manual Override (see note 5) 4 = Spring Return Close with Declutchable Manual Override (see note 5) 5 = Spring Return Open no override (see note 5) 6 = Spring Return Close no override (see note 5) 7 = RCE Battery Backup Actuator 8 = Spring Return Open with Basic Manual Override (see note 5) 9 = Spring Return Close with Basic Manual Override (see note 5)	7 = NEMA 7 Double Powder Coated 8 = NEMA 9 Double Powder Coated A = NEMA 7 Modulation enclosure (for 1/2"-2" modulated Ball Butterfly	9 = AWWA B = NEMA 6 C = NEMA 6P, prolonged submersion at limited depth.		

Notes:

- 1 – 460 VAC available on Butterfly Valves only.
- 2 – Bracket & Indicator Switch Only part numbers do not allow any other options (must be Z000, Y000, or X000)
- 3 – **Standard Duty Cycles** vary according to valve type and size as indicated in chart below. Standard Duty Cycles can be *upgraded* only. Note: 50% duty cycle available on non-standard, special order actuators only.

Valve Type	Size Range	25% Duty Cycle	75% Duty Cycle	100% Duty Cycle
Ball Valve	1/2" - 2"		X	
Ball Valve	2-1/2" - 4"	X		
Butterfly Valve	1-1/2" - 10"	X		
Butterfly Valve	12" - 24"			X
Diaphragm Valve	1/2" - 8"	X		

- 4 – Basic Manual Override is standard on Ball Valve sizes 1/2" – 3" with Declutchable Manual Override as an option. Declutchable Manual Override is standard on Ball Valve sizes 4" & larger and all Butterfly Valves. Standard Gate Valve and Diaphragm Valve packages have no override with Declutchable Manual Override as an option. Spring return not available on electric Diaphragm valves.
- 5 – Electric Spring Return Actuators come standard with no type of override. Need to verify if either Declutchable Manual Override or Basic Manual Overrides are available in all applications.

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Actuator Only Part Numbers

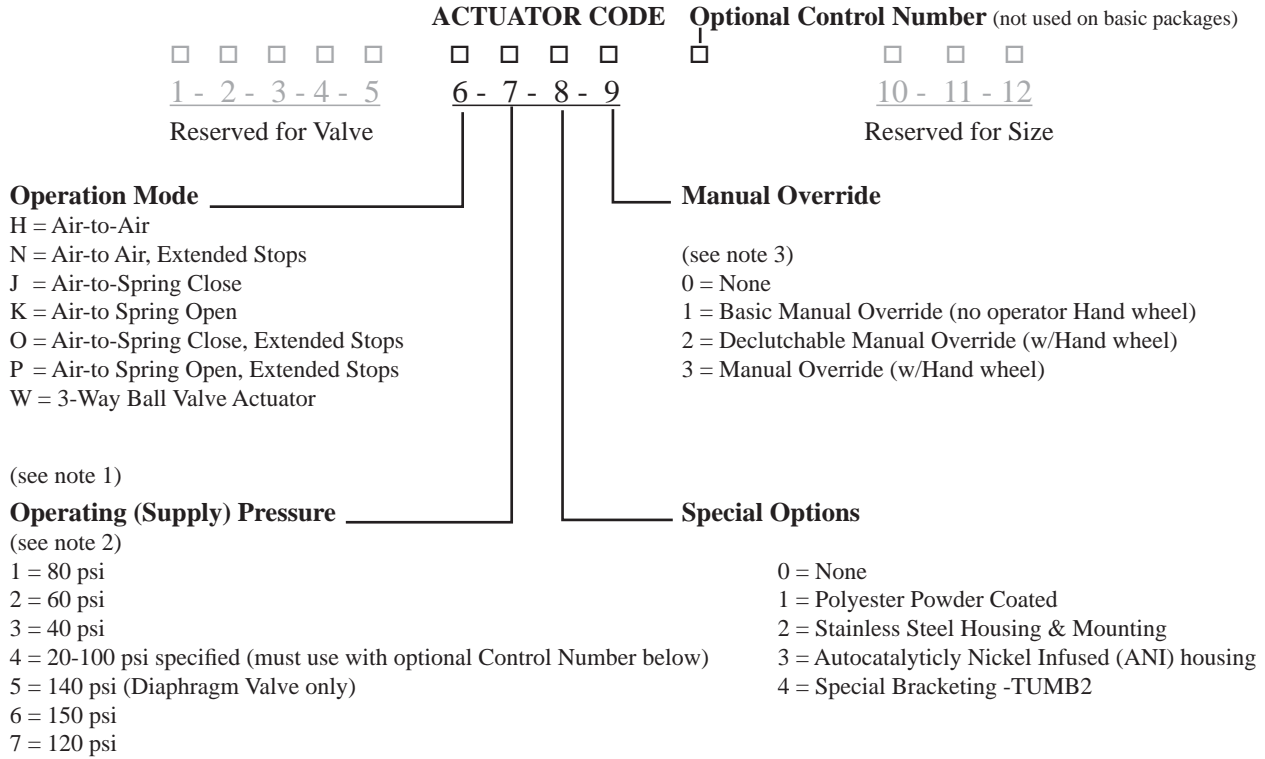
Individual Premium Electric actuators can be ordered for specific Spears® valve types and sizes. Includes actuator and mounting hardware for specified valve type and size. To specify valve type for actuator only, enter the first digit valve type code followed by zeros ("0") for remaining 4-digits of the valve code section of the part number plus the applicable 3-digit valve size code (see valve selection Tables 1, 2, or 3). Complete the actuator code selection as described in this section. See Step 3 for any desired actuator accessories.

Example: A 115 VAC electric actuator only with NEMA 4 enclosure, basic manual override and 75% duty cycle for 2" standard True Union Ball Valve would have the following part number: 10000A112-020



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Table 5: PNEUMATIC ACTUATOR
(Operation - Operating Pressure - Manual Override)



Notes:

- 1 – Bracket only part numbers do not allow any other options (must be Z000); available for Ball Valves only.
- 2 – Operating pressures (1-2-3) apply to Ball valve actuators.
- 3 – Basic Manual Override is standard on all Ball Valves and Butterfly Valves with Declutchable Manual Override as an option. Standard Gate Valve package has no override with Basic Manual Override or Declutchable Manual Override as an option. Standard Diaphragm Valve package has no override. No manual override option sizes 1/2" - 2". Basic Manual Override is an option on valve sizes 2-1/2" & larger that are equipped with Air-to-Air and Air-to-Spring Closed.

Actuator Only Part Numbers

Individual Premium Pneumatic actuators can be ordered for specific Spears® valve types and sizes. Includes actuator and mounting hardware for specified valve type and size. To specify valve type for actuator only, enter the first digit valve type code followed by zeros ("0") for remaining 4-digits of the valve code section of the part number plus the applicable 3-digit valve size code (see valve selection Tables 1, 2, or 3). Complete the actuator code selection as described in this section. See Step 3 for any desired actuator accessories.

Example: An 80 psi, air-to-air pneumatic actuator only with declutchable manual override for 2" standard Butterfly Valve would have the following part number: 40000H102-020.

Appendix B - Premium Actuated Valve Part Number Selection



Step 3: Actuator Accessory Selection

Premium actuator accessories are available for both Electric actuators (Selection Table 7) and Pneumatic actuators (Selection Table 8 and 9). Actuator accessory options are selected and ordered separately as individual Accessory part numbers for the actuated valve. If accessory options are to be ordered, be sure the suffix, “- A ”, was added to the end of the selected Actuated Valve Package part number configured in Step 1 & 2 to designate that the accessories are assembled with the valve package.

A separate part number is used for *each* accessory ordered. Select the desired Accessory Part Number from the selection tables for each accessory.

Example: An electric actuated valve is desired with a heater and thermostat, an SPDT limit switch set and a 0-5 VDC signal positioner board. From Table 7, the following Accessory part numbers should be ordered with the actuated valve package:

Heater & Thermostat = **A-H1**
 Limit Switch Set = **A-LS1**
 Positioner Board = **A-PB2**

Contact Spears® for any desired accessories or functions not specified in the Accessory Selection Tables

Selection Table 7: Premium Electric Actuator Accessories

Accessory	Description	Accessory Part Number
Heater	Heater & Thermostat - On @ 41°F, Off @ 60.8°F	A-H1
	Heater & Thermostat - On @ 62.6°F, Off @ 80.6°F	A-H2
Auxiliary Limit Switches	2-SPDT Limit Switch Set (1/2" shaft cam)	A-LS1
	2-SPDT Limit Switch Set (3/8" shaft cam ¹)	A-LS2
	2-SPDT Limit Switch Set for Electric Spring Return	A-LS3
Position Indicators	LED Indicator Lights	A-P2
Modulating Positioner Boards	115 VAC 4-20mA	A-PB1
	115 VAC 0-5 VDC	A-PB2
	115 VAC 0-10 VDC	A-PB3
	230 VAC 4-20mA	A-PB4
	230 VAC 0-5 VDC	A-PB5
	230 VAC 0-10 VDC	A-PB6
	24 VAC 4-20mA	A-PB7
	24 VAC 0-5 VDC	A-PB8
	24 VAC 0-10 VDC	A-PB9
	24 VDC 4-20mA	A-PB10
	24 VDC 0-5 VDC	A-PB11
	24 VDC 0-10 VDC	A-PB12
		115 VAC 4-20mA For Electric Spring Return Actuator
Transmitter	4-20mA	A-T1
Torque Sensor	Adjustable Electronic Torque Sensor	A-TS1
Speed Controller	Variable Speed Controller	A-SC1
2"-Wire Control ² (operates as solenoid valve)	Control Relay Switch Setup 115 VAC - Normally Closed	A-CR1
	Control Relay Switch Setup 115 VAC - Normally Open	A-CR2
	Control Relay Switch Setup 24 VAC - Normally Closed	A-CR3
	Control Relay Switch Setup 24 VAC - Normally Open	A-CR4
	Control Relay Switch Setup 230 VAC - Normally Closed	A-CR5
	Control Relay Switch Setup 230 VAC - Normally Open	A-CR6
	Control Relay Switch Setup 12 VDC - Normally Closed	A-CR7
	Control Relay Switch Setup 12 VDC - Normally Open	A-CR8
	Control Relay Switch Setup 12 VDC - Normally Closed	A-CR9
	Control Relay Switch Setup 12 VDC - Normally Open	A-CR10

Notes:
 1 – The A-LS2 is used on 1/2" - 2" basic Ball Valve packages; A-LS1 used on all others.
 2 – “2-Wire” Control is not applicable to Diaphragm Valves

(CONTINUED NEXT PAGE)



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(Selection Table 7: Premium Electric Actuator Accessories - CONTINUED)

Accessory	Description	Accessory Part Number
Friction Brake ³	Mechanical Brake	A-FB1
Lockout Switch	Power disconnect switch activated when n manual override is in use	A-LK1
Special Hardware	Titanium Bolts	A-B1
ID Tag	Type 316 Stainless Steel ID Tag 1/2" x 3" (3-lines, 12-characters & spaces)	TAG3-015
Stem Extension	Ball Valve Stem Extension ⁴	A-BVSE-XXX-000
	True Union 2000 Ball Valve Stem Extension	A-BVSE2-XXX-000
	Butterfly Valve Stem Extension	A-BFSE-XXX-000
	Diaphragm Valve Stem Extension	A-DESE-XXX-000

Notes:

3 – Friction Brake is standard on Butterfly Valves and not applicable to Diaphragm Valves

4 – Stem Extension Part Numbers: Enter size code for “xxx” in part number. Replace “000” with desired length code in part number; length is from top of valve to bottom of actuator.

Selection Table 8: Ball Valve & Butterfly Valve Premium Pneumatic Actuator Accessories

Accessory	Description			Accessory Part Number
PNEUMATIC POSITIONERS	3-15 psi	NEMA 4	Flat-Top Indicator	A-PP1
	3-15 psi	NEMA 4	Dome Indicator	A-PP2
	3-15 psi	NEMA 4	Dome Indicator, Integrated 2-SPDT Mech. Switches	A-PP3
ELECTRO PNEUMATIC POSITIONERS WITH INDICATOR	4-20mA	NEMA 4	Flat-Top Indicator	A-EP1
	4-20mA	NEMA 4	Dome Indicator	A-EP2
	4-20mA	NEMA 4	Dome Indicator, Integrated 2-SPDT Mech. Switches	A-EP3
	4-20mA	NEMA 7	Flat-Top Indicator	A-EP4
	4-20mA		Intrinsically Safe (CSA/UL) Flat-Top Indicator	A-EP5
	4-20mA	NEMA 7	Dome Indicator	A-EP6
	4-20mA		Intrinsically Safe w/2-SPST Proximity Switches	A-EP22
	SOLENOID VALVES	3 & 4-way	115 VAC	NEMA 4/4x
3 & 4-way		230 VAC	NEMA 4/4x	A-SV2
3 & 4-way		24 VAC	NEMA 4/4x	A-SV3
3 & 4-way		12 VDC	NEMA 4/4x	A-SV4
3 & 4-way		24 VDC	NEMA 4/4x	A-SV5
3 & 4-way		115 VAC	7/9	A-SV6
3 & 4-way		230 VAC	7/9	A-SV7
3 & 4-way		24 VAC	7/9	A-SV8
3 & 4-way		12 VDC	7/9	A-SV9
3 & 4-way		24 VDC	7/9	A-SV10
Dual Power 3 & 4-way		115 VAC	NEMA 4/4x	A-SV11
Dual Power 3 & 4-way		230 VAC	NEMA 4/4x	A-SV12
Dual Power 3 & 4-way		24 VAC	NEMA 4/4x	A-SV13
Dual Power 3 & 4-way		12 VDC	NEMA 4/4x	A-SV14
Dual Power 3 & 4-way		24 VDC	NEMA 4/4x	A-SV15
Dual Power 3 & 4-way		115 VAC	NEMA 7/9	A-SV16
Dual Power 3 & 4-way		230 VAC	NEMA 7/9	A-SV17
Dual Power 3 & 4-way		24 VAC	NEMA 7/9	A-SV18
Dual Power 3 & 4-way		12 VDC	NEMA 7/9	A-SV19
Dual Power 3 & 4-way		24 VDC	NEMA 7/9	A-SV20
Stainless Steel 3 & 4-way		115 VAC	NEMA 4/4x	A-SV21
3-Way 24 VDC Hi Temperature (Class H)			NEMA 4x	A-SV22
3 & 4-way		230 VAC	NEMA 4/4x 1/2" NPT Din Connector	A-SV23

Note: Pneumatic and Electro-Pneumatic positioners include brass gauges: 1 input gauge @ 0-30 psi and 2 output gauges @ 0-160 psi. Stainless steel gauges may be ordered separately.

Appendix B - Premium Actuated Valve Part Number Selection



(Table 8: Ball Valve & Butterfly Valve Premium Pneumatic Actuator Accessories - continued)

Accessory	Description	Accessory Part Number
LIMIT SWITCH & TRANSMITTER COMBINATION	4-20mA 2-SPDT NEMA 4/4x/7/9	A-LS20
	4-20mA 2-SPDT NEMA 4/4x/7/9 w/ Visual Indicator	A-LS21
	4-20mA 2-DPDT NEMA 4/4x/7/9	A-LS22
	4-20mA 2-DPDT NEMA 4/4x/7/9 w/ Visual Indicator	A-LS23
	4-20mA 2-Proximity NEMA 4/4x/7/9	A-LS24
	4-20mA 2-Proximity NEMA 4/4x/7/9 w/ Visual Indicator	A-LS25
LIMIT SWITCHES	2-SPDT NEMA 4/4x	A-LS40
	2-SPDT NEMA 4/4x w/ Visual Indicator	A-LS41
	2-SPDT NEMA 4/4x w/ Green/Red Dome Indicator	A-LS41D
	2-SPDT NEMA 4/4x w/ Green/Red Dome Indicator 3/4"	A-LS41E
	2-SPDT NEMA 4/4x w/ Low Profile Indicator	A-LS41L
	2-DPDT NEMA 4/4x	A-LS42
	2-DPDT NEMA 4/4x w/ Visual Indicator	A-LS43
	2-Proximity NEMA 4/4x	A-LS44
	2-Proximity NEMA 4/4x w/Low Profile Indicator	A-LS44L
	2-Proximity NEMA 4/4x w/ Visual Indicator	A-LS45
	2-Proximity NEMA 7/9	A-LS46
	2-Proximity NEMA 7/9 w/ Visual Indicator	A-LS47
	2-Proximity NEMA 7/9 w/ Low Profile Indicator	A-LS47L
	2-SPDT NEMA 4/4x/7/9	A-LS48
	2-SPDT NEMA 4/4x/7/9 w/ Visual Indicator	A-LS49
	2-DPDT NEMA 4/4x/7/9	A-LS50
	2-DPDT NEMA 4/4x/7/9 w/ Visual Indicator	A-LS51
4-SPDT NEMA 4/4x w/180° Indicator	A-LS52	
TRANSMITTER	4-20mA Output Transmitter	A-PT1
INDICATORS	Dome Indicator	A-V2
PRESSURE GAUGE SET	Stainless steel case, 3-gauge set for use with positioners: 1 - input pressure gauge 0-30 psi, 2 output gauges 0-160 psi	A-G1
	Plastic case, 3-gauge set for use with positioners: 1 - input pressure gauge 0-30 psi, 2 output gauges 0-160 psi	A-G2
AIR MUFFLERS	Standard Sintered Bronze, 40 Micron 1/8" NPT	A-M18
	Standard Sintered Bronze, 40 Micron 1/4" NPT	A-M14
	Speed Control Muffler (Adjustable Air Flow) 1/8" NPT	A-M2V18
	Speed Control Muffler (Adjustable Air Flow) 1/4" NPT	A-M2V14
ID TAG	Type 316 Stainless Steel ID Tag 1/2" x 3" (3-lines, 12-characters & spaces)	TAG3-015
Stem Extensions	Ball Valve Stem Extension ¹	A-BVSE-xxx-000
	True Union 2000 Ball Valve Stem Extension ¹	A-BVSE2-xxx-000
	Butterfly Valve Stem Extension ¹	A-BFSE-xxx-000

Notes:

1 – Stem Extension Part Numbers: Enter size code for “xxx” in part number. Replace “000” with the desired length code in part number; length is from top of valve to bottom of actuator.



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Table 9: Diaphragm Valve Premium Pneumatic Actuator Accessories

Accessory	Description	Accessory Part Number
PNEUMATIC POSITIONERS	3-15 psi NEMA 4x w/Visual Indicator Top Loading (no gauge)	A-DPP1
	3-15 psi NEMA 4 x w/Visual Indicator Top Loading w/gauges (3)	A-DPP2
	3-15 psi NEMA 4 x w/Visual Indicator Bottom Loading (no gauge)	A-DPP3
	3-15 psi NEMA 4 x w/Visual Indicator Bottom Loading w/gauges (3)	A-DPP4
ELECTRO PNEUMATIC POSITIONERS	4-20 mA (3-15 psi) NEMA 4 x w/Visual Indicator (up to 2")	A-DEP1
	4-20 mA (3-15 psi) NEMA 4 x w/Visual Indicator w/SS Gauges (up to 2")	A-DEP2
	4-20 mA (3-15 psi) NEMA 4 x w/Visual Indicator (2-1/2" & up)	A-DEP3
	4-20 mA (3-15 psi) NEMA 4 x w/Visual Indicator w/SS Gauges (2-1/2" & up)	A-DEP4
	4-20mA (3-15 psi) NEMA 4 x w/Dome Indicator w/2-SPDT Limited Switches (2-1/2" & up)	A-DEP5
3-WAY SOLENOID VALVES	115 VAC NEMA 4/4x	A-DSV1
	230 VAC NEMA 4/4x	A-DSV2
	24 VAC NEMA 4/4x	A-DSV3
	12 VDC NEMA 4/4x	A-DSV4
	24 VDC NEMA 4/4x	A-DSV5
	115 VAC NEMA 4/4x/7/9	A-DSV6
	230 VAC NEMA 4/4x/7/9	A-DSV7
	24 VAC NEMA 4/4x/7/9	A-DSV8
	12 VDC NEMA 4/4x/7/9	A-DSV9
	24 VDC NEMA 4/4x/7/9	A-DSV10
4-WAY SOLENOID VALVES	115 VAC NEMA 4/4x	A-DSV11
	230 VAC NEMA 4/4x	A-DSV12
	24 VAC NEMA 4/4x	A-DSV13
	12 VDC NEMA 4/4x	A-DSV14
	24 VDC NEMA 4/4x	A-DSV15
	115 VAC NEMA 4/4x/7/9	A-DSV16
	230 VAC NEMA 4/4x/7/9	A-DSV17
	24 VAC NEMA 4/4x/7/9	A-DSV18
	12 VDC NEMA 4/4x/7/9	A-DSV19
	24 VDC NEMA 4/4x/7/9	A-DSV20
MICRO ² LIMIT SWITCHES	2-SPDT NEMA 4 w/180° Visual Indicator	A-DLS20
	2-DPDT NEMA 4/4x/7/9 w/180° Visual Indicator	A-DLS21
	Limit Switch for 4" & 6" Pneumatic D.A. Act.	A-DLS22
	2-SPDT NEMA 7/9 w/180° Visual Indicator	A-DLS25
	2-SPDT NEAM 4x, IP 65, Limit Switch , no Indicator	A-DLS26
PROXIMITY LIMIT SWITCHES	2-SPDT NEMA 4/4X	A-DLS23
LIMIT SWITCHES ³	2-SPDT NEMA 4	A-DLS24
SPEED CONTROLLER	Variable Speed Controller	A-DPSC1
ID TAG	Type 316 Stainless Steel ID Tag 1/2" x 3" (3-lines, 12-characters & spaces)	TAG3-015
Stem Extensions	Diaphragm Valve Stem Extension ¹	A-DPSE-xxx-000
HANDWHEEL OVERRIDE	Handwheel override for 1/2" to 2" Linear Diaphragm Actuators	A-DHW1
	Handwheel override for 2-1/2" to 6" Linear Diaphragm Actuators	A-DHW2

Notes: 1 – Stem Extension Part Numbers: Enter size code for “xxx” in part number. Replace “000” with the desired length code in part number; length is from top of valve to bottom of actuator.

2 – Micro Limit Switches used on valve sizes 1/2" through 2".

3 – Limit Switches are used on valve sizes 2-1/2" & Larger