

SPX®



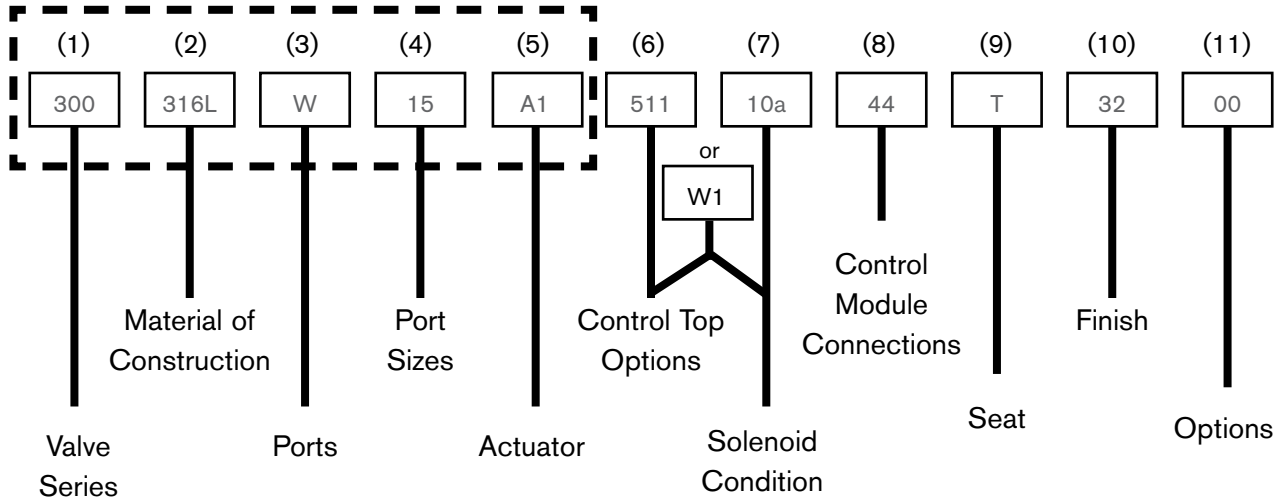
 **Waukesha
Cherry-Burrell**

300/350 Series
Ball Valve Key

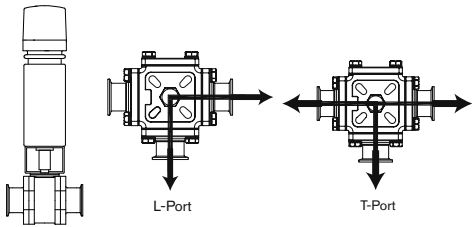
Ball Valve Key

The Valve Key is designed to provide our customers with a clear and concise description of the valve required. The key number will define all areas of the valve's specification.

Example:



(1) Valve Series



- 300** 2-way ball valve
- 350-L** 3-way ball valve¹ with L ports
- 350-T** 3-way ball valve¹ with T ports

¹Available only with S-Line Ports

(4) Port Sizes (s)

050	.50" (25mm)
075	.75" (38mm)
10	1.00" (51mm)
15	1.50" (64mm)
20	2.00" (76mm)
25	2.50" (102mm)
30	3.00" (152mm)
40	4.00" (101mm)

(2) Material of Construction

316L Material

(3) Ports

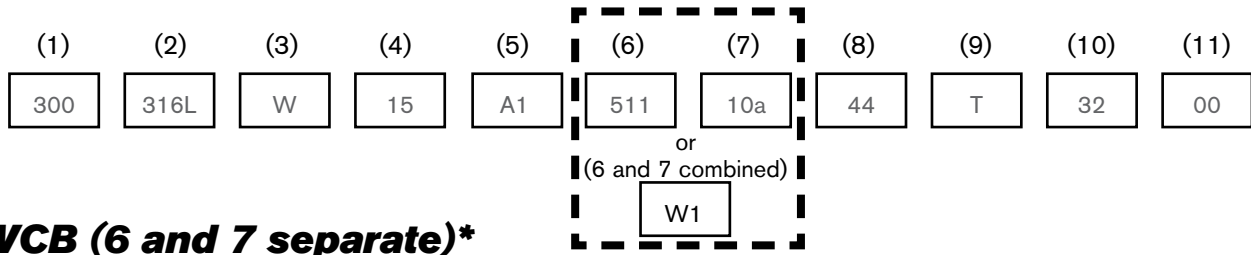
- W** Buttweld
- S** S-Line
- I** I-Line (female - 15l)
- B** Bevel Seat (male threaded end)
- F** 150# Raised Face Flange²
- Q** Q-Line
- MI** Male I-Line
- BN** Bevel Seat with Nut

²Flange ports not available with manual handles.

(5) Actuator

- H** Manual Handle
- A1** 3" (80 mm) Linear Air to Spring Normally Closed
- A2** 3" (80 mm) Linear Air to Spring Normally Open
- A3** 3" (80 mm) Linear Air to Air Double Acting
- B1** 5" (125 mm) Linear Air to Spring Normally Closed
- B2** 5" (125 mm) Linear Air to Spring Normally Open
- B3** 5" (125 mm) Linear Air to Air Double Acting
- C1** 7" (180 mm) Linear Air to Spring Normally Closed
- C2** 7" (180 mm) Linear Air to Spring Normally Open
- C3** 7" (180mm) Linear Air to Air Double Acting

- R3C125, R3C250, R3C450, R3C1000, R3C2250**
Rack and Pinion Air to Air Double Acting
- R1C250, R1C450, R1C1000, R1C2250, R1C3650, R1C5000**
Rack and Pinion Air to Spring Normally Closed
- R2C250, R2C450, R2C1000, R2C2250, R2C5000**
Rack and Pinion Air to Spring Normally Open



WCB (6 and 7 separate)*

(6) Switches/Solenoids

Description	No Control Module ¹	Control Module no solenoids	Control Module with (1) 110V AC solenoid	Control Module with (2) 110V AC solenoids	Control Module with (1) 24V DC solenoid	Control Module with (2) 24V DC solenoids
No Switches	000	501 ³	502	503	505	506
No Switches, Control top stem	001	-	-	-	-	-
No Switches, Control top stem - Set & Forget	001SF	-	-	-	-	-
Set & Forget	-	511	-	-	515	516
24 VDC Only						
Prox Switch (1) lower		521	522	523	525	526
Prox Switch (1) upper		531	532	533	535	536
Prox Switch (2)		541	542	543	545	546
24VDC/110 VAC						
Microswitch (1) lower	-	551	552	553	555	556
Microswitch (1) upper	-	561	562	563	565	566
Microswitch (2)	-	571	572	573	575	576
24VDC/110 VAC						
Prox Switch (1) lower ²		581	-	-	-	-
Prox Switch (1) upper ²		591	-	-	-	-
Prox Switch (2) ²		601	-	-	-	-
5-25VDC Intrinsically Safe ⁴						
AS-i Card & Set & Forget	-	611	-	-	615	616
AS-i Card & Prox Switch (1) lower	-	621	-	-	625	626
AS-i Card & Prox Switch (1) upper	-	631	-	-	635	636
AS-i Card & Prox Switch (2)	-	641	-	-	645	646
24 VDC Only						
DeviceNet Card & Set & Forget	-	711	-	-	715	716
DeviceNet Card & Prox Switch (1) lower	-	721	-	-	725	726
DeviceNet Card & Prox Switch (1) upper	-	731	-	-	735	736
DeviceNet Card & Prox Switch (2)	-	741	-	-	745	746
24 VDC (requires PNP switches)						
Bracket Mount Prox Switch Ready	L30					
Bracket Mount (1) 24V DC & Prox Closed	L31					
Bracket Mount (2) 24V DC & Prox Open & Closed	L32					
Bracket Mount (1) 110V AC & Prox Closed	L41					
Bracket Mount (2) 110V AC & Prox Open & Closed	L42					

(7) Solenoid Condition

- 00** No Control Module
- 10a** No Solenoid
- 11a** 1 Solenoid, Valve Condition Air/Spring
- 12** 2 Solenoid, Valve Condition Air/Air

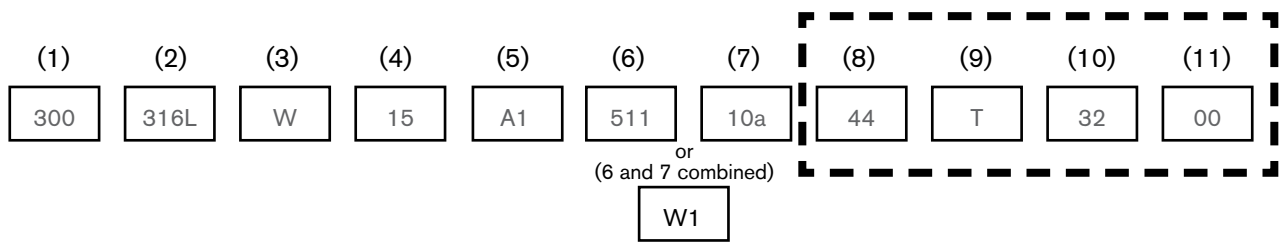
¹Where proximity switches are indicated, these are externally mounted on top of actuators. Consult factory for special control module requirements.
²Requires amplifier (not included-provided by others).
³Top with no switches but - prox bracket = 501P or micro bracket = 501M
⁴Top with intrinsically safe switches and intrinsically safe solenoid(s) append an I
 NOTE: If Control Top has Stainless Steel Cover prefix = SS

APV (6 and 7 combined)*

(6) Switches/Solenoids and (7) Solenoid Condition

- W1** 2 24V DC Prox Switches
1 24V DC Solenoid
- U1** 2 110V AC Prox Switches
1 110V AC Solenoid
- Y1** 2 24V DC Prox Switches
1 24V AC Solenoid
As-i Card
- Z1** 2 24V DC Prox Switches
1 24V AC Solenoid
DeviceNet Card
- V1** 2 24V DC Prox Switches
1 24V AC Solenoid
Profibus Card

* Control top options only available on 300 series with linear actuator not 350 series



(8) Control Module Connections

- 00** No Control Module
- 01** Strain Relief
- 24** 4 Pin Turck Eurofast Quick Disconnect
- 25** 5 Pin Turck Eurofast Quick Disconnect
- 26** 6 Pin Turck Eurofast Quick Disconnect
- 28** 8 Pin Turck Eurofast Quick Disconnect
- 21** 10 Pin Turck Eurofast Quick Disconnect
- 22** 12 Pin Turck Eurofast Quick Disconnect
- 44** 4 Pin MiniFast Quick Disconnect
- 45** 5 Pin MiniFast Quick Disconnect
- 46** 6 Pin MiniFast Quick Disconnect
- 47** 7 Pin MiniFast Quick Disconnect
- 48** 8 Pin MiniFast Quick Disconnect
- 49** 9 Pin MiniFast Quick Disconnect
- 41** 10 Pin MiniFast Quick Disconnect

NOTE: Includes connector on control module only, mating connector and cable by others.

(9) Seat/Seal

- T** PTFE

(10) Finish

- 32** Standard Finish Machined <32Ra ID (.8µm)
- 15** 15Ra Mechanical Polish ID (.2µm)
- 32EP** 32Ra Machined Finish and Electropolish ID
- 15EP** 15Ra Mechanical Polish and Electropolish ID

NOTE: Electropolish (EP) is in addition to the mechanical polish finish. Exterior 32Ra.

(11) Options

- 00** No Options
- 08** SS Tags
- 18** Paper Tags

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