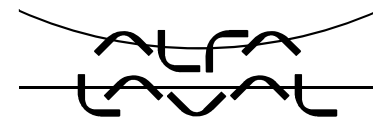


Single Seat Valve Description Code

300 series, 700 series and Tank Outlet Valves



1 MODEL 361 Sanitary/CIP 761 Sanitary/CIP 371 Throttling Valve 762 Kettle/Tank Outlet 741 Industrial 771 Throttling Valve		2 BODY/PORT* LINE (see page 49 for body drawings) 10 Lower Tee 27 Upper Tee Reverse Acting 30 Lower Cross 47 Upper Cross Reverse Acting 21 Upper Tee/Lower Tee 43 Upper Cross/Lower Cross 23 Upper Tee/Lower Cross 41 Lower Tee/Upper Cross 90 Y-Body		ELBOW, KETTLE 21 90° Long Tank Spud 31 90° Std. Tank Spud 35 45° Std. Tank Spud 33 Flanged 45° 29 Flanged 90° 22 90° Offset Down 57 90° Offset Right 58 90° Offset Left		TANK OUTLET, TANGENTIAL 47 Tee Offset Right 48 Tee Offset Left 49 Flanged Offset Right 50 Flanged Offset Left 51 Clamp Cross 52 Flanged Cross *PORTS M=Tri-Clamp® T=Bevel Seat W=Tri-Weld®	
1A STEM None Elastomer (3A) TR PTFE Replaceable (3A) TR2 PTFE Replaceable (for 700 series only)		VALVE-BODY MATERIAL 316L All Wetted Parts		8 SPECIAL OPTIONS Customer description required.		9 ELASTOMER U Buna E EPDM SFY Fluoroelastomer	
<div style="display: flex; justify-content: space-around; align-items: center;"> <div>761</div> <div>TR</div> <div>10M</div> <div>29L</div> <div>2</div> <div>316L</div> <div>14</div> <div>4</div> <div>0</div> <div>U</div> </div>							

- 3 ACTUATORS***
- 10 Normally Open Piston
 - 14D Normally Open (Positioner) Diaph.
 - 14P Normally Open (Positioner) Piston
 - 15 Normally Open Diaphragm
 - 19 Normally Open With Switches
 - 20 Normally Closed Piston
 - 24D Normally Closed (Positioner) Diaph. (reverse acting only)
 - 24P Normally Closed (Positioner) Piston
 - 25 Normally Closed Diaph. Reverse Acting
 - 29 Normally Closed with Switches
 - 30 Air-To-Air Piston
 - 40SB Manual Handle
 - 80 Three-Position Piston
 - 90 Micrometer (manual) - 171 only

4 SIZE

in.	mm
1	25.4
1 ½	38.1
2	50.8
2 ½	63.5
3	76.2
4	101.6

7 SETUP #

Chart A		Chart B	
Description	Setup #	Description	Setup #
No solenoid normally open or normally closed valve	1	No solenoid normally open or normally closed valve	1
Normally open valve closes when solenoid is de-energized	2	Normally closed valve opens when solenoid is de-energized	2
Normally closed valve opens when solenoid is de-energized	3	Normally open valve closes when solenoid is de-energized	3
Normally closed valve opens when solenoid is energized	4	Normally open valve closes when solenoid is energized	4
Normally open valve closes when solenoid is energized	5	Normally closed valve opens when solenoid is energized	5
Air both ways, normally closed	6	Air both ways, normally closed	7

6 SWITCHES - SOLENOID

	No Solenoid	24 (VDC)	110 VAC	24 VAC
	Norm	Norm	Norm	Norm
Mechanical (Qty. 1)	02	14	16	39
(VAC/VDC) (Qty. 2)	04	18	20	40
Proximity (Qty. 1)	10	30	32	43
(VAC/VDC) Qty. 2)	12	34	36	44
No switches/Sol. Only		37	38	45

*L=Long Stroke S=Short Stroke: 700 series only
 HP=High Pressure: 2½" (63.5mm) - 3" (76mm) only

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*Not available for 300 series



Single Seat Valve Description Code

Reverse Acting Divert Valve and Flo Diversion Valve



Reverse Acting Divert Description Code

761-21MRAXX-10S/20S-SIZE-316L

┌	Tangential Body
	L = Left Hand
	R = Right Hand
	Actuator-End Tangential Body
└	L = Left Hand
	R = Right Hand

Flo Diversion Valve Less Panel Description Code

Standard 762TR-227M-SIZE-316L-1-Y

Reverse Acting 762TR-227MRAX-SIZE-316L-1-Y

Non-Slam

Tangential Body	┌	1 = 110vac solenoid
		2 = 24vac solenoid
		3 = 24vdc solenoid
		4 = no solenoid (supplied in panel)
L = Left Hand		
R = Right Hand		

Flo Diversion Valve With SLC500 Panel Description

Code

Standard 762TR-121M-SIZE-316L-1-Y

Reverse Acting 762TR-121MRAX-SIZE-316L-1-Y

Non-Slam

All Flo-Diversion Valves include control top option with one microswitch only.

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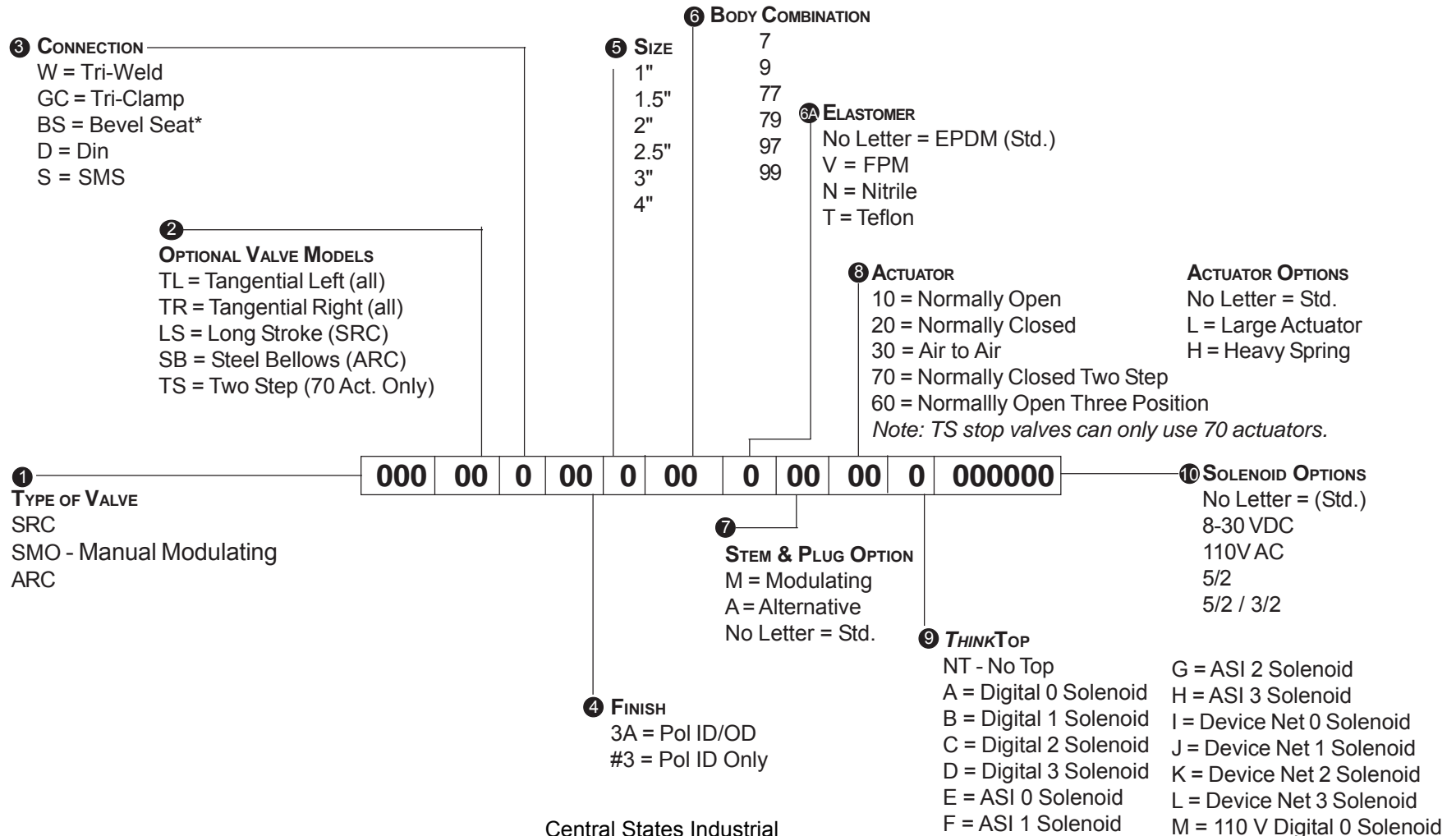


Seat Valve Description Code

SRC/SMO/ARC



1	2	3	4	5	6	6A	7	8	9	10
SRC	LS	W	3A	2	77V	**	20	B	5/2	3/2



*Must specify Male or Female

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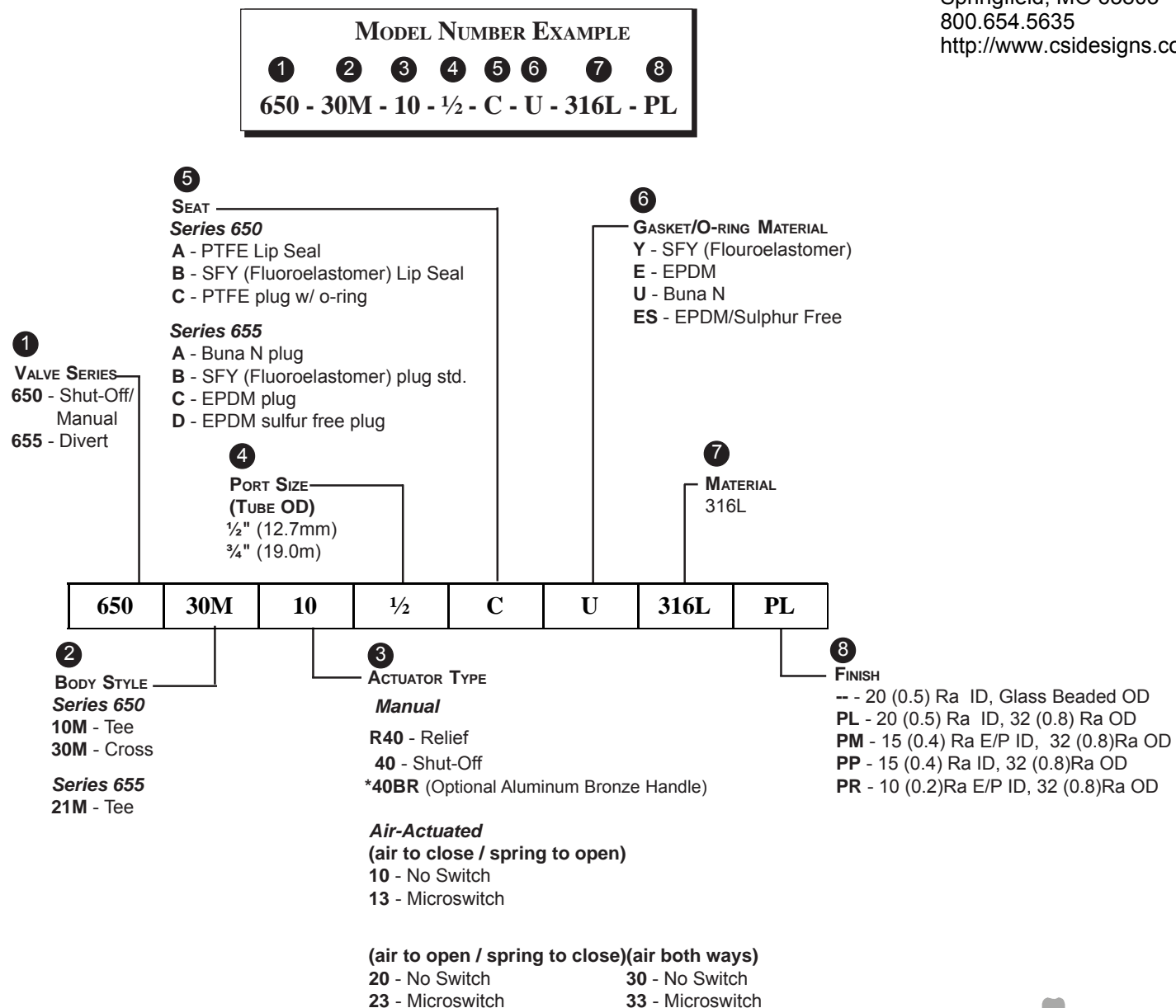


Single Seat Valve Description Code

650 and 655 Series Valves



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* Required for applications
above 150° F or 150 PSI.

Single Seat Valve Description Code

SMO, SRC and ARC Series Valves



Seat Valves - Order Numbering System
See SRC-ARC Valve Description attached.

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Air-Assist Requirements for SRC Valves with Type 20 Spring-to-close Actuator

SRC Valve Size	Actuator Size	1 PSI Air Supply Increases Holding Pressure
1.5"	3"	6 PSI
2"	3"	3 PSI
2.5"	3"	2 PSI
1.5"	5"	13 PSI
2"	5"	7 PSI
2.5"	5"	5 PSI
3"	5"	3 PSI
4"	5"	2 PSI

Maximum Holding Pressure (PSI) for Seat Valves (NC)

Valve Size	3" Actuator Standard Spring	3" Actuator Heavy Spring	5" Actuator Standard Spring	5" Actuator Heavy Spring
1.5"	102	131	145	*
2"	58	80	131	*
2.5"	36	51	87	*
3"			72	102
4"			51	65

* Exceeds maximum pressure rating of valve (145 PSI)

Standard: AISI T316L

Options: (Please spell out when ordering)

- Actuators 60 and 70 are designed for the special three-position and two-step valves
- Large actuator (only available size 1.5" - 2.5")
- Lifting tools for air actuators
- Heavy-duty spring
- Damper for water hammer

Constant Pressure Modulating Valves Order Number System

Example: **CPM-I-2-GC-51-2/15-POL**

Type of Valve	Connection	Size	KV	Finish
CPM-I-2	GC Tri-Clamp®	51 (2")	2/15	POL 150X ID/OD
CPM-O-2	W Weld		7	ND Dustblast ID/OD
	Other		23	

Standard:

- EPDM/PTFE Diaphragm (product side)
- NBR Diaphragm (air side)
- AISI T316L

Options

- EPDM/PTFE (air side)
- Solid PTFE (air and product side)

Single Seat Valve Description Code

Actuators



SMO, SRC and ARC Series Valves - Actuators

Type of Actuator	Section	Symbol	Type of Actuator	Section	Symbol
Valve Type 7					
10			10		
20			20		
Valve Type 77					
10			10		
20			20		
60			60		
70			70		
Valve Type 97					
10			10		
20			20		
60			60		
70			70		

10

Normally open (NO)
lower seat: Air pushes
the plug down

20

Normally closed (NC)
lower seat: Air pushes
the plug up

30

Air/Air (A/A): Air pushes
the plug up or down

60*

Normally open (NO)
lower seat: Air pushes
the plug down.
Intermediate position
with all ports open.

70*

Normally closed (NC)
lower seat: Air pushes
the plug up.
Intermediate position
with all ports open.

* Not available with all
body combinations.

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171, 300 and 700 Series - Body

7 & 10	27	9 & 30	47
21 & 77	43 & 99	23 & 97	41 & 79