

Single Seat Valve ID Key

1 Valve Type	2 Port Configuration	3 Port Location	4 Seal Material	5 Port Size	6 Connection	7 Control Options	8 Options	9 Actuator
S	390-SE*	ADU	E	20	T	ID21X	T	AS

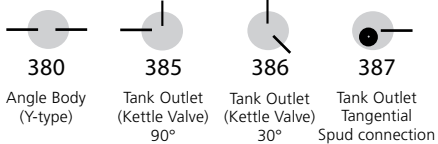
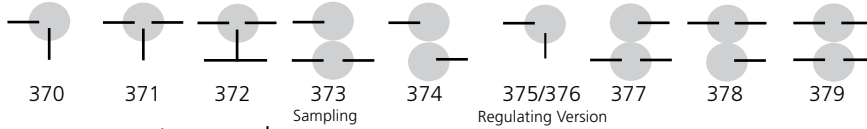
*To confirm Select version

1. Valve Type

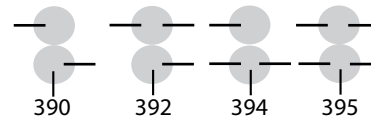
- S** Single seat
- A** Aseptic with P³ high performance diaphragm
- SD** Single disk double seat

2. Port Configuration

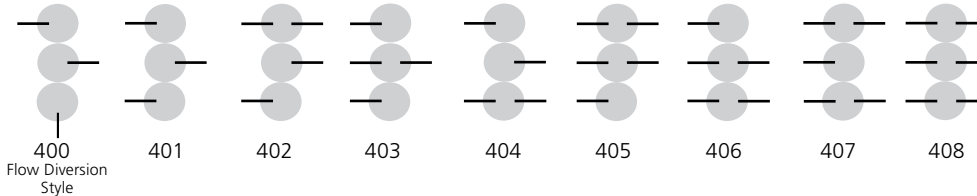
Single Seat Specific



Single Seat Changeover (Divert) - 1 Piece Housing

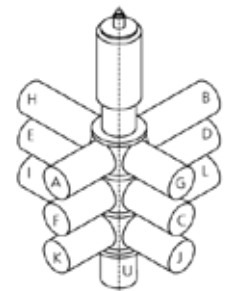


Single Seat Changeover (Divert) - 3 Piece Housing - Tri-Clamp Connections Recommended



3. Port Location

Please refer to the diagram at the right. Always begin with port "A". Example: A standard S390 would have a port configuration of A-D-U and the valve ID number would be: S390-**ADU**-E-20-T-ID21X-XX-AS



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P³ diaphragm w/
PEEK seat

Metal stem w/
P³ diaphragm &
EPDM seals

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4. Seal Material

E EPDM (standard)	M Metal Seat (available on 375/376 series Regulating Valves only)
H HNBR	P/X PEEK Seat, choose stem seal (ex. P/E for PEEK w/EPDM stem seal)
F FPM (Viton equivalent)	S Special (please specify)

5. Port Size (OD Tube standard – Metric and IPS sizes also available)

05 0.5"	075 0.75"	10 1.0"	15 1.5"	20 2.0"
25 2.5"	30 3.0"	40 4.0"	50 5.0"	60 6.0"

6. Connection

B Butt weld	T Tri-Clamp	O Other (please specify)
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7. Control Options

Example: a	b	c	d
I	D	21	X

- a) **I** IntelliTop™ Control Top – Type 8680
I2 IntelliTop™ 2.0 Control Top Type 8681 - only 24VDC & ASI at this time
E2 External switches with bracket mount – 2 wire (in place of control top)
E3 External switches with bracket mount – 3 wire (in place of control top)
MS 2 Microswitches (for Flow Diversion Valve only)
PB Bürkert Positioner for S375 valve
PM Moore Positioner for S375 valve
S Special (please specify)
PMI Moore Positioner with I/P
XX No feedback
- b) **A** 110 VAC **D** 24 VDC
- c) **10** 1 prox, 0 solenoid (external only) **20** 2 prox, 0 solenoid
21 2 prox, 1 solenoid **22** 2 prox, 2 solenoid
21A 2 prox, 1 solenoid w/ASI Bus **22A** 2 prox, 2 solenoid w/ASI Bus
21D 2 prox, 1 solenoid w/DeviceNet™ **22D** 2 prox, 2 solenoid w/DeviceNet™
- d) **X** PG-9 connection (standard for 110V and 24V control tops)
Q Quick disconnect option (standard with ASI and DeviceNet™ tops)

8. Options

XX Standard	T Three-position adjustable stop
M Mechanical stop	G Body in 2 parts, clamped
W Welded body (not available on 400 series port configurations)	
N Changeover Valve, non-slamming diverting style (clamped body)	
PR Pressure Relief Valve (specify range)	
U Reverse acting shutoff valve with valve disc from bottom	
TAN RTAN for right tangential or LTAN for left tangential	
#,LN/EQ # = CV value for Regulating Valves at full open (S375, S376) CV required @ order stage LN – linear plug or EQ – equal percentage plug	
B Special finishes w/material certification – Ex: B20EA	
• ## Ra microinch finish (20)	
• Electropolish	
• AL-6XN® or Hastelloy®	

9. Actuator

AS Air to open, spring to close	SA Spring to open, air to close
AA Air to open, air to close	LS Long stroke - air to open, spring to close
LSA Long stroke - air to open, air to close	LSS Long stroke - spring to open, air to close
B Booster for low air pressure applications	OS Oversized actuator

Südmo North America, Inc. reserves the right to make changes in the technical specifications at any time.

Valve Specs

Materials

- Product contact: 316L (1.4404)
- Non-product contact: 304 (1.4301)
- Optional: Upon request

Control Air Pressure

- 87 psi min.
- 115 psi max.

Product Holding Pressure

- 100 psi min., for o-ring stem

Surface Finish

- Ra ≤ 32 µin product contact
- Ra ≤ 63 µin non-product contact
- Electropolish available

Südmo North America, Inc.

1330 Anvil Drive, Rockford, IL 61115 USA

T 815.639.0322 • F 815.639.1135

E info@sudmona.com • I www.sudmona.com