

# Mix Proof 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
D	3651	C	AD	E	20	B	I2D23X	XX	AS

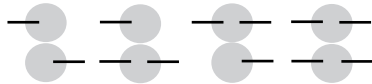
\* C for Complete version (e.g. D3654C)

## 1. Valve Type

- D** Standard Mix Proof (for 3000 and 600 series)
- A** Aseptic Mix Proof (for 800 series)

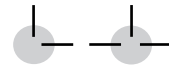
## 2. Port Configuration

### Standard & Aseptic Mix Proof Valves



PMO*	3651	3652	3653	3654
Low leakage*	601	602	603	604
Low leakage, no seat lift*	611	612	613	614
Leak free*	621	622	623	624
Leak free, no seat lift*	631	632	633	634
Aseptic	801	802	803	804

### Tank Outlet Mix Proof Valves

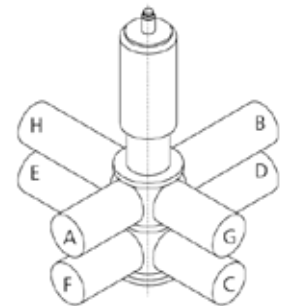


Standard w/flange connection	640	641
Standard w/pipe connection	650	651
Aseptic w/flange connection	840	841

For D365it Tank Outlet Complete specify "PMO" in Section 8

## 3. Port Location

Refer to the diagram at the right. Always begin with port "A". Example: A standard D621 would have a port configuration of A-D and the valve ID number would be: D621C-**AD**-E-20-T-ID23X-XX-AS.



## 4. Seal Material

- E** EPDM (standard)
- H** HNBR
- F** FPM (Viton equivalent)
- S** Special (please specify)

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## 5. Port Size

OD Tube		Metric		IPS	
10	1.0"	DN25	25mm	12	1.0"
15	1.5"	DN32	32mm	22	2.0"
20	2.0"	DN40	40mm	32	3.0"
25	2.5"	DN50	50mm	42	4.0"
30	3.0"	DN65	65mm	52	5.0"
40	4.0"	DN80	80mm	62	6.0"
60	6.0"	DN100	100mm		
		DN150	150mm		

To specify a mix-match body, enter code for top port size first, followed by a "/" and then enter code for bottom port size. Example: **20/25 means 2.0" over 2.5"**

## 6. Connection

<b>B</b>	Butt weld
<b>T</b>	Tri-Clamp
<b>O</b>	Other (please specify)

## 7. Control Options

Example: **a**      **b**      **c**      **d**  
**I2**      **D**      **23**      **X**

- |    |            |   |            |                                 |
|----|------------|---|------------|---------------------------------|
| a) | <b>I2</b>  | IntelliTop™ 2.0 Control Top Type 8681                                   |            |                                 |
|    | <b>S</b>   | Special (please specify)  |            |                                 |
|    | <b>E2</b>  | External switches with bracket mount - 2 wire (in place of control top) |            |                                 |
|    | <b>E3</b>  | External switches with bracket mount - 3 wire (in place of control top) |            |                                 |
|    | <b>XX</b>  | No feedback   |            |                                 |
| b) | <b>A</b>   | 110 VAC   |            |                                 |
|    | <b>D</b>   | 24 VDC  |            |                                 |
| c) | <b>10</b>  | 1 prox, 0 solenoid (external only)                                      | <b>20</b>  | 2 prox, 0 solenoid              |
|    | <b>21</b>  | 2 prox, 1 solenoid  | <b>22</b>  | 2 prox, 2 solenoid              |
|    | <b>23</b>  | 2 prox, 3 solenoid  | <b>21A</b> | 2 prox, 1 solenoid w/ASI Bus    |
|    | <b>22A</b> | 2 prox, 2 solenoid w/ASI Bus  | <b>23A</b> | 2 prox, 3 solenoid w/ASI Bus    |
|    | <b>21D</b> | 2 prox, 1 solenoid w/DeviceNet™   | <b>22D</b> | 2 prox, 2 solenoid w/DeviceNet™ |
|    | <b>23D</b> | 2 prox, 3 solenoid w/DeviceNet™   |            |                                 |
| d) | <b>X</b>   | PG-9 connection (standard for 110V and 24V control tops)                |            |                                 |
|    | <b>Q</b>   | Quick disconnect option (standard with ASI and DeviceNet™ tops)         |            |                                 |

## 8. Options

<b>XX</b>	Standard	<b>R</b>	Rinsing connection
<b>SSP</b>	Sterile set	<b>D</b>	Drainage cap
<b>P</b>	Special design for large particulate size	<b>C</b>	Cheese curd outlet design
<b>B</b>	Special finishes w/material certification	<b>PMO</b>	PMO tank outlet design
	- Ex: <b>B20EA</b>		
	• <b>##</b> Ra microinch finish		
	• Electropolish		
	• AL-6XN® or Hastelloy®		

## 9. Actuator

<b>AS</b>	Air to open, spring to close
<b>OS</b>	Oversized actuator

Südmö 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.
- 145 psi max.

### Surface Finish

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

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