

Mix Proof Valve ID Key

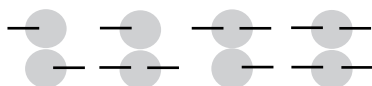
| 1 Valve Type | 2 Port Configuration | 3 Port Location | 4 Seal Material | 5 Port Size | 6 Connection | 7 Control Options | 8 Options | 9 Actuator |
|-----------------|-------------------------|--------------------|--------------------|----------------|-----------------|----------------------|--------------|---------------|
| D | 3651 | AD | E | 20 | B | ID23X | XX | AS |

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 |

* C for Complete version

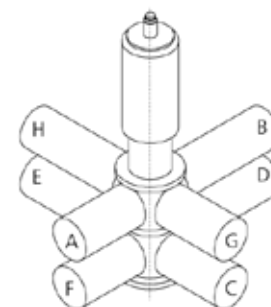
Tank Outlet Mix Proof Valves



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

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: D621-**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 | Butt weld |
| T | Tri-Clamp |
| O | Other (please specify) |

7. Control Options

| | | | | |
|----|-------------------|---|-----------|--|
| | Example: a | b | c | d |
| | I | D | 23 | X |
| a) | I | IntelliTop™ Control Top – Type 8680 | | |
| | I2 | IntelliTop™ 2.0 Control Top Type 8681 - only 24VDC & ASI at this time | | |
| | S | Special (please specify) | | |
| | 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) | | |
| | 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 |
| | 23 | 2 prox, 3 solenoid | | 21A 2 prox, 1 solenoid w/ASI Bus |
| | 22A | 2 prox, 2 solenoid w/ASI Bus | | 23A 2 prox, 3 solenoid w/ASI Bus |
| | 21D | 2 prox, 1 solenoid w/DeviceNet™ | | 22D 2 prox, 2 solenoid w/DeviceNet™ |
| | 23D | 2 prox, 3 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 | R | Rinsing connection |
| CSL | Caged lip seal design | SSP | Sterile set |
| P | Special design for large particulate size | C | Cheese curd outlet design |
| B | Special finishes w/material certification | D | Drainage cap |
| | – Ex: B20EA | PMO | PMO double seat |
| | • ## Ra microinch finish | | |
| | • Electropolish | | |
| | • AL-6XN® or Hastelloy® | | |

9. Actuator

| | |
|-----------|------------------------------|
| AS | Air to open, spring to close |
| OS | 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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