

| Model | D717T | | |
|---|---|---|--|
| Gas | Process Gas (Non-configurable) | | |
| Full scale | Non-configurable | | |
| Operating inlet pressure | H:350-750 kPa (A) (Non-configurable) | M:240-450 kPa (A) (Non-configurable) | L:110-350 kPa (A) (Non-configurable) |
| Operating differential pressure | ≥ 350 kPa (D) | ≥ 240 kPa (D) | ≥ 110 kPa (D) |
| Operating downstream pressure | ≤ 53.3 kPa (A) | | |
| Control range | 0.2-100 %F.S. | 0.5-100 %F.S. | 2-100 %F.S. |
| Flow rate accuracy at 25 °C *1 | ±0.8 %S.P. (10-100 %F.S.) ±0.08 %F.S. (0.2-10 %F.S.) | ±0.8 %S.P. (20-100 %F.S.) ±0.16 %F.S. (0.5-20 %F.S.) | ±1 %F.S. (2-100 %F.S.) |
| Temperature error from 25 °C | ±0.05 %S.P. / °C (10-100 %F.S.) ±0.005 %F.S. / °C (0.2-10 %F.S.) | ±0.05 %S.P. / °C (20-100 %F.S.) ±0.01 %F.S. / °C (0.5-20 %F.S.) | ±0.05 %F.S. / °C (2-100 %F.S.) |
| Offset/Span stability at 25 °C *2 | ±0.5 %F.S. / year | ±1 %F.S. / year | ±5 %F.S. / year |
| Repeatability | ±0.15 %S.P. (10-100 %F.S.) ±0.015 %F.S. (0.2-10 %F.S.) | ±0.15 %S.P. (20-100 %F.S.) ±0.03 %F.S. (0.5-20 %F.S.) | ±0.3 %F.S. (2-100 %F.S.) |
| Valve type | Normally Closed / Piezo Actuator | | |
| Settling time for step up and down *3 | ≤ 100 msec (1-100 %F.S.) ≤ 500 msec (0.2-1 %F.S.) | ≤ 100 msec (1-100 %F.S.) ≤ 500 msec (0.5-1 %F.S.) | ≤ 100 msec (2-100 %F.S.) |
| Overshoot | ±2 %S.P. or ±0.5 %F.S. whichever is larger | | |
| Undershoot | ±2 %S.P. or ±0.5 %F.S. whichever is larger | | |
| Inlet pressure influence performance *4 | ±1 %S.P. (10-100 %F.S.) ±0.1 %F.S. (0.2-10 %F.S.) | ±1 %S.P. (20-100 %F.S.) ±0.2 %F.S. (0.5-20 %F.S.) | ±1 %F.S. (2-100 %F.S.) |
| Valve seat leak | < 0.02 %F.S. or 0.015 SCCM(N ₂), whichever is larger | < 0.05 %F.S. or 0.015 SCCM(N ₂), whichever is larger | < 0.1 %F.S. or 0.015 SCCM(N ₂), whichever is larger |
| Proof pressure | 1000 kPa (A) | | |
| Leak integrity | ≤ 5 × 10 ⁻¹² Pa·m ³ /s (He) | | |
| Wetted material | SUS316L, Ni-Alloy, PFA | | |
| Operating temperature | 15-60 °C | | |
| Storage temperature | 0-80 °C | | |
| Installation orientation *5 | Attitude Insensitive | | |
| Inlet pressure accuracy | ±10 kPa (0-1000 kPa (A)) | | |
| Temperature accuracy | ±1 °C (15-60 °C) | | |
| Warming up operation | ≥ 30 minutes | | |
| Control interface | RJ45 connector, EtherCAT® protocol *6 | | |
| Power supply | M8 5 pin male connector, 24 VDC±4 V, Instantaneous peak 9.6 W / Normal dissipation 7.0 W | | |
| Weight | 1.1 kg | | |