

Model	D717uF	
Gas *1	O ₂	
Full scale *1	5 SCCM	
Operating inlet pressure	M:240-412 kPa(A)	
Operating differential pressure	≥ 240 kPa(D)	
Operating downstream pressure	≤ 13.3 kPa(A)	≤ 53.3 kPa(A)
Control range	0.5-100 %F.S.	1-100 %F.S.
Flow rate accuracy at 25 °C *2	±1 %S.P. (10-100 %F.S.) ±0.1 %F.S. (0.5-10 %F.S.)	±1 %S.P. (20-100 %F.S.) ±0.2 %F.S. (1-20 %F.S.)
Temperature error from 25 °C	±0.05 %S.P./°C (10-100 %F.S.) ±0.005 %F.S./°C (0.5-10 %F.S.)	±0.05 %S.P./°C (20-100 %F.S.) ±0.01 %F.S./°C (1-20 %F.S.)
Offset/Span stability at 25°C *3	±0.5 %F.S./year	
Repeatability	±0.25 %S.P. (10-100 %F.S.) ±0.025 %F.S. (0.5-10 %F.S.)	±0.25 %S.P. (20-100 %F.S.) ±0.05 %F.S. (1-20 %F.S.)
Valve type	Normally closed/Piezo actuator	
Settling time for step up *4	≤ 100 msec (0.1 sec)	
Overshoot	±2 %F.S.	
Undershoot	±2 %F.S.	
Inlet pressure influence performance *5	±1 %S.P. (10-100 %F.S.) ±0.1 %F.S. (0.5-10 %F.S.)	±1 %S.P. (20-100 %F.S.) ±0.2 %F.S. (1-20 %F.S.)
Valve seat leak	< 0.015 SCCM(N ₂)	
Proof pressure	620 kPa(A)	
Leak integrity	≤ 5 × 10 ⁻¹² Pa · m ³ /s(He)	
Wetted material	SUS316L, Ni-alloy, PFA	
Operating temperature	15-45 °C	
Storage temperature	0-80 °C	
Installation orientation	Attitude insensitive	
Inlet pressure accuracy	±10 kPa (0-620 kPa(A))	
Temperature accuracy	±1 °C (15-45 °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 9.6 W/Normal dissipation 7.0 W	
Weight	1.0 kg	