

TSC-100 Series

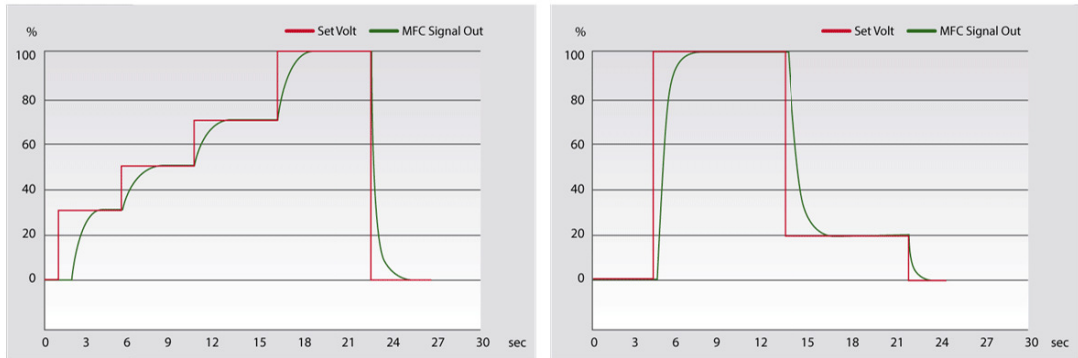


- Description**
- Accurate control of large flow rate applications
 - Fast response time
 - Improved stability and repeatability
 - Excellent external electromagnetic wave blocking
 - Applicable for toxic and corrosive gases

Specifications

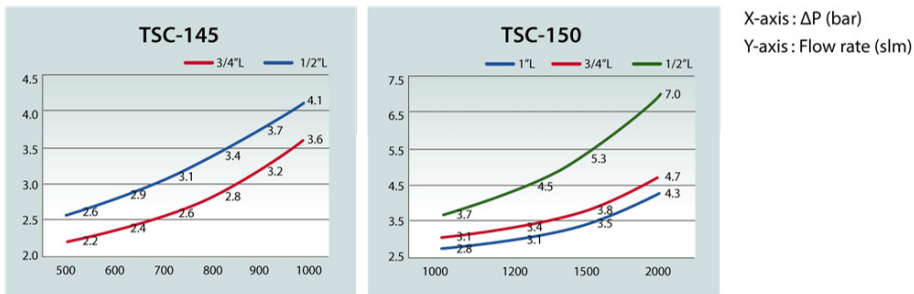
Model	TSC-145	TSC-150	TSC-160
Flow Range (N ₂ Equivalent)	400~1,000 slm	1,000~2,000 slm	2,000~5,000 slm
Flow Rate Control Range	2~100% of Full Scale		
Accuracy	≤ ± 2.0 % of Full Scale		≤ ± 3.0 % of Full Scale
Response Time	≤ 3.5 sec		≤ 4 sec
Linearity	≤ ± 0.5 % of Full Scale		
Repeatability	≤ ± 0.3 % of Full Scale		
Control Valve Type	Normally Closed Solenoid		
Seal Type	Elastomer (Viton®, Viton-ETP®, Kalrez®, etc.)		
Signal Type	Analog Mode : 0~5VDC or 4~20mA		
Power Supply	+15~24VDC		
Operation Temperature	5~50°C (Recommended Temperature Range : 15~35°C)		
Warm-Up Time	15min (Accuracy Guaranteed : 30min)		

Response characteristics



Flow range due to pressure condition

TSC-100 Series can measure flow range between 100 and 2,000 slm depending on the pressure and fitting size.



Production specifications

Analog MFC(High flow)

Model	Flow Range	Valve		Fitting (L:LOK, V:VCR, F:Flange)							Seals					In/Out Signal				
		close	open	1/8"	1/4"	3/8"	1/2"	3/4"	1"	25A	40A	Viton	Vt-ETP	Silicon	Kalrez	Metal	0~5V	4~20mA	RS485	D-Net
145	0~1,000slm	○				L	L/V	L				○	○	○	○		○	○		
150	0~2,000slm	○					L	L	L	F		○	○	○	○		○	○		

External dimensions

