

AHFRG SERIES



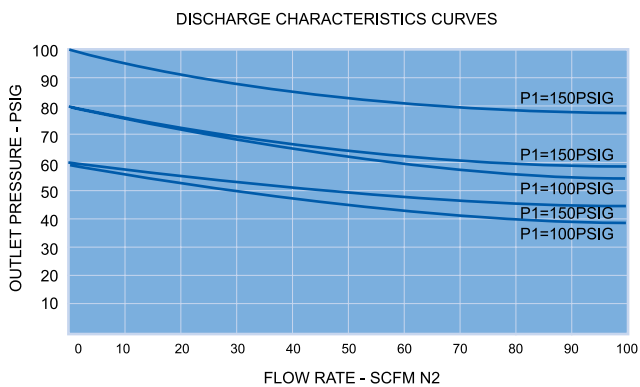
A SIZE HIGH FLOW REGULATOR

- Internal surfaces are finished with 10Ra or 5Ra to ensure minimal particle generation and entrapment.
- Every step of assembly, welding, testing and final cleaning finished in class 100 cleanrooms.
- High flow.

SPECIFICATIONS

Pressure Rating	
Pressure rating per criteria of ANSI/ASME B31.3	300 PSIG (21.1 kg/cm ²)
Maximum rated inlet pressure	300 PSIG (21.1 kg/cm ²)
Maximum outlet pressure	130 PSIG (9.1 kg/cm ²)
Design proof pressure	150% of maximum rated pressure
Design burst pressure	400% of maximum operating pressure
Materials in Contact with Media	
Body	316L Stainless Steel
Seat	PTFE (Contact manufacturer for the use of toxic gas)
Diaphragm	316L Stainless Steel
Gas contact parts	316L Stainless Steel, FKM
Other Parameters	
Inboard leak rate	2 x 10 ⁻⁸ atm cc / sec He
Operating temperature	-20°F to +150°F (-29°C to +65°C)
Flow coefficient	Cv = 8.0

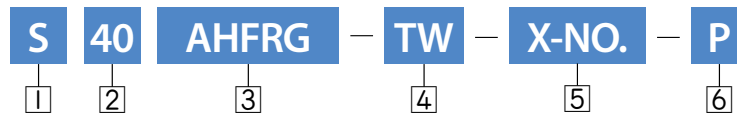
FLOW CURVES



MATERIAL

Wetted Parts	AHFRG Series
Body	316L Stainless Steel
Seat Holder	316L Stainless Steel
Main Valve	316L Stainless Steel, FKM
Valve Spring	316 Stainless Steel
Seat	PTFE
Diaphragm	316L Stainless Steel

ORDERING INFORMATION



1 Material	S = 316L Stainless steel D = 316L Stainless steel VAR
2 Connection Size	15 = 15A 20 = 20A 25 = 25A 40 = 40A 50 = 50A T24 = 1-1/2" T32 = 2" For other sizes, please consult factory.
3 Product	AHFRG Series
4 Connection Type	TW = Tube Butt Weld
5 Outlet Pressure Range	Customization (※Standard : Blank)
6 Gauge	Blank = BA Standard (10 Ra μinch) P = Electropolishing (5 Ra μinch)

PORT CONFIGURATION

