

# MRG4 SERIES



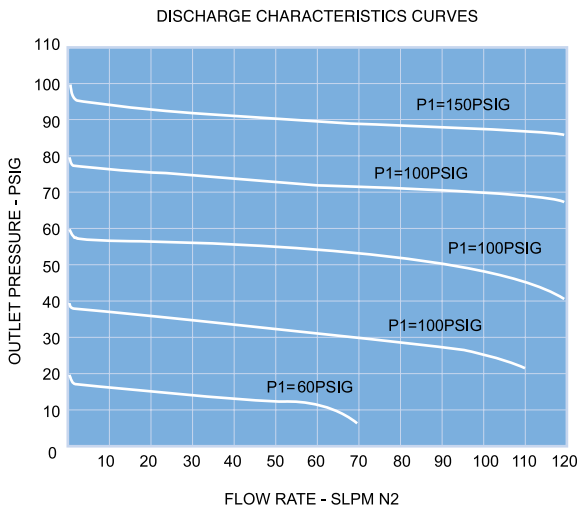
## MIRCRO REGULATOR

- Compact size
- High performance with low hysteresis.
- All internal surfaces are finished with 10Ra or 5Ra to ensure minimal particle generation and entrapment. Metal-to-metal diaphragm seals provide enhanced leak tight integrity.
- Every step of assembly, welding, testing and final cleaning finished in Class 100 Cleanrooms.

## SPECIFICATIONS

Pressure Rating	
Max. rated inlet pressure	150 PSIG
Outlet pressure	3-30, 3-60, 3-100 or 1-150 PSIG
Design proof pressure	150% of Maximum rated pressure
Materials in Contact with Media	
Body	316L Stainless Steel with BA, Electropolish
Seat	PCTFE
Diaphragm	Hastelloy C-22
Gas contact parts	316L Stainless Steel / Hastelloy C-22 / Inconel 750
Other Parameters	
Flow coefficient	Cv = 0.08
Temperature	-40°C to +71°C
Inboard leak rate	1 x 10 <sup>-9</sup> atm cc / sec He

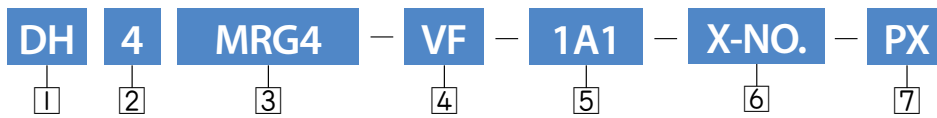
## FLOW CURVES



## MATERIAL

Wetted Parts	MRG4 Series
Body	316L Stainless Steel
Seat Holder	316L Stainless Steel Hastelloy
Main Valve	316L Stainless Steel Hastelloy
Valve Spring	316 Stainless Steel Inconel 750
Seat	PCTFE
Diaphragm	Hastelloy C-22

## ORDERING INFORMATION



1 Material	S = 316L Stainless steel SH = 316L Stainless steel with Hastelloy internals HH = Hastelloy DH = 316L Stainless steel VAR with Hastelloy internals
2 Size	4 = 1/4" 11 = 1.125" 15 = 1.5"
3 Product	MRG4 Series
4 Connection Type	VM = Male Type Face Seal VF = Female Type Face Seal TW = Tube Butt Weld 2W = W-Seal 2C = C-Seal
5 Outlet Pressure Range	1A0 = 3-30PSIG 1A1 = 3-60PSIG 1A2 = 3-100PSIG
6 User Option	Customization (※Standard : Blank)
7 Grade	Blank = BA Standard (10 Ra μinch) P = Electropolishing (5 Ra μinch) PX = Electropolishing (5 Ra μinch)

## PORT CONFIGURATION

