



Clean Series

Clean series pneumatic components are used for industries which require high cleaning environment, such as Semi Conductor, Medical, Food.

Clean series pneumatic components usually use stainless steel material with good resistance to corrosion; Oil free, oil is not used in any of the parts.

Clean series pneumatic components are washed, assembled and inspected in cleaning environment grade 100.

After inspection, blow the components with high purity air in cleaning room, and pack with anti-static double-layer sealed bag.



EHR
Clean Pressure Regulator



Product Features

- Excellent corrosion resistance.
- The product is oil-free and does not use grease-based parts at all.
- The diaphragm is made of PTFE and can be used in a variety of working conditions.
- The product has a non-overflow structure, which facilitates the centralized recovery of exhaust gases.
- The product is washed, inspected and double-packed in a class 100 environment.

How to Order?

Series No.	Valve Body Size	Cleanliness Class	Set Pressure	Overflow Structure	Port Size	Pressure Gauge Connection Direction	Bracket Code	Thread Type
EHR: EHR series clean pressure regulator	4: 4 Series	0: Class A	0:0.02~0.2MPa 1:0.05~0.7MPa	0:No Relief	02:1/4" 03:3/8" 04:1/2"	Blank R:R specification Pressure gauge connection	Blank: With bracket J: Without bracket	Blank: G P:PT T: NPT
Blank IN OUT Pressure gauge connection R:R specification IN OUT Pressure gauge connection								

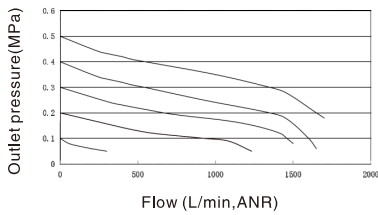
Note: There is only on connection for gauge

Order Example: EHR series clean pressure regulator, valve body size 4 series, Cleanliness class A, set pressure 0.02~0.2MPa, no overflow, port size 1/4", pressure gauge interface direction is not, with bracket, G thread, ERP code is EHR4000-02.

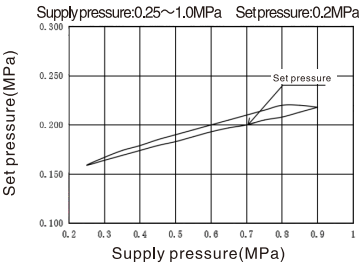
Specifications

Model No.	EHR4000	EHR4010
Overflow structure	Non-overflow type	
Port size	1/4" 3/8" 1/2"	
Use fluid	Clean air, N, Ar, CO, pure water	
Proof Pressure	1.5MPa	
Max.Working Pressure	1.0MPa	
Set Pressure	0.02~0.2MPa	0.05~0.7MPa
Ambient temperature and fluid temperature	0~60° C(no freezing)	
Contact fluid material (metal)	SUS316L	
Diaphragm material	PTFE	
Weight(g)	688	

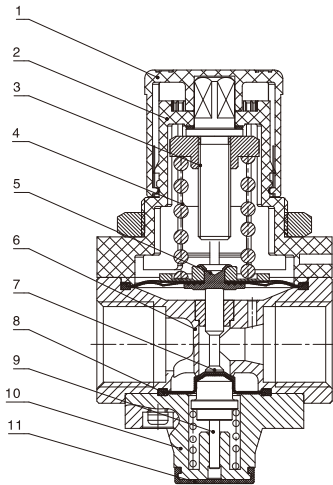
EHR4000 Flow Chart



EHR4000 Pressure Characteristic Diagram

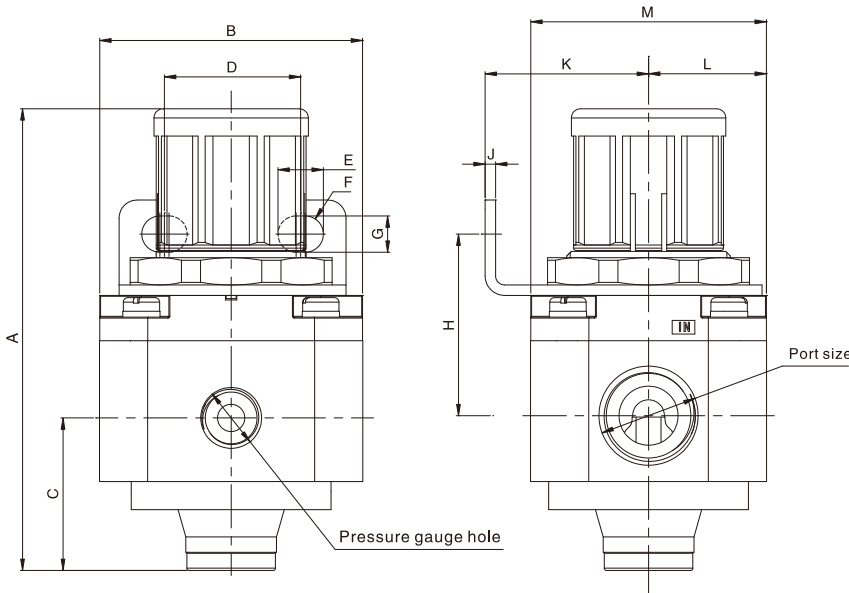


Internal Structure



No.	Part Name	Material
1	Adjusting handle	Plastic
2	Main pressure regulating seat	Plastic
3	Pressure regulating screw assembly	Quick-cut steel
4	Spring	SWC
5	Diaphragm assembly	Stainless steel + rubber + plastic
6	Valve body	Stainless steel
7	Valve stem	Stainless steel
8	Diaphragm	Rubber + plastic
9	Intake valve core	Stainless steel
10	Bottom cover	Aluminium alloy
11	Dust jacket	Rubber

Main Dimension



Model	Port size	A	B	C	D	E	F	G	H	J	K	L	M	Pressure gauge hole
EHR4000	1/4" 3/8" 1/2"	101.7	58	33.6	30	10	R5	8	40	2.3	36	26	52	1/4"