



FUJIKURA COMPOSITES

"FC" series

Air

Liquid

Standard model(external thread type) Corresponds to compressed air and liquid..

■ Features

- Simple design makes low price.
- Damages to seal material were reduced by double-touch system (O-ring and metal-seal).
- Various port sizes and seal materials.



■ Applications

- Machine Tools : Milling machine, NC lathe, laser processing machine etc.
- Industrial furnace : General industrial furnace, heating furnace, vacuum furnace, etc.
- Medical : Endoscope washing device, oxygen concentrator, anesthesia machine etc.
- Analysis equipment, Measurement equipment, component gas analysis, gas analyzer etc.
- Battery : Household fuel cell, secondary battery, gas engine etc.
- Water (liquid) treatment: Pure water production, pure water recycling.
- Gas generator related: Compressor, compact pressure vessel, various gas generator etc.
- Others: Oxygen capsule, gasoline measuring instrument, forklift etc.

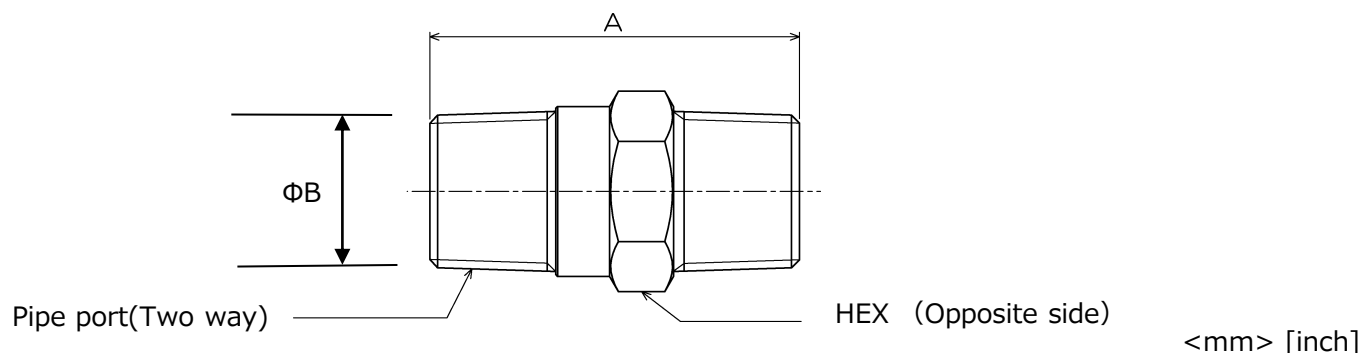
■ Specification

Operating Pressure MPa[psi]	Vacuum~4.9 [Vacuum ~710.69]	Material of body	Brass / SUS316
Pressure resistant MPa[psi]	7.35 [1066.03]	Material of seal	FKM (Standard)
Pipe port	Rc1/8~Rc1	Operating temperature	Pursuant to seal material
		Cracking pressure kPa[psi]	7 [1.02]
Comment	■ Max differential pressure 0.6MPa [87.02psi] (Conditions: Releasing fluids from outlet). ■ Option cracking pressure 1kPa, 20KPa, 50KPa[0.15psi, 2.90psi, 7.25psi]. *Outlet port's direction of 1kPa is upward. ■ Disc filter is attachable for FC series only. If you need more details, contact us.		



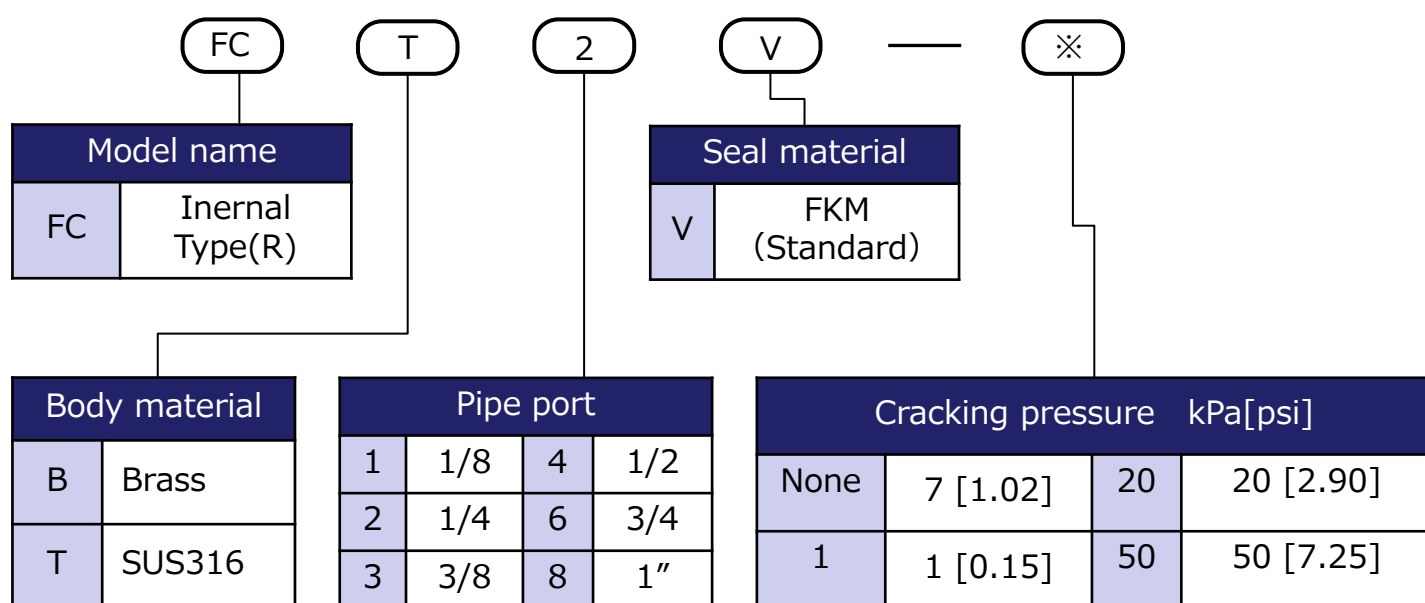
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■ Size



Pipe port(R)	A	B	HEX (Opposite side)	CV値 (Reference)
1/8	<33.5> [1.32]	<3.5> [0.14]	<13.0> [0.51]	<0.28>
1/4	<40.2> [1.58]	<5.0> [0.20]	<16.0> [0.63]	<0.60>
3/8	<40.5> [1.59]	<6.9> [0.27]	<19.0> [0.75]	<1.05>
1/2	<48.0> [1.89]	<9.8> [0.39]	<22.0> [0.87]	<1.60>
3/4	<59.0> [2.32]	<14.0> [0.55]	<29.0> [1.14]	<3.20>
1"	<68.0> [2.68]	<16.2> [0.64]	<35.0> [1.38]	<6.90>

■ Model designation



※Please inquire about other materials.

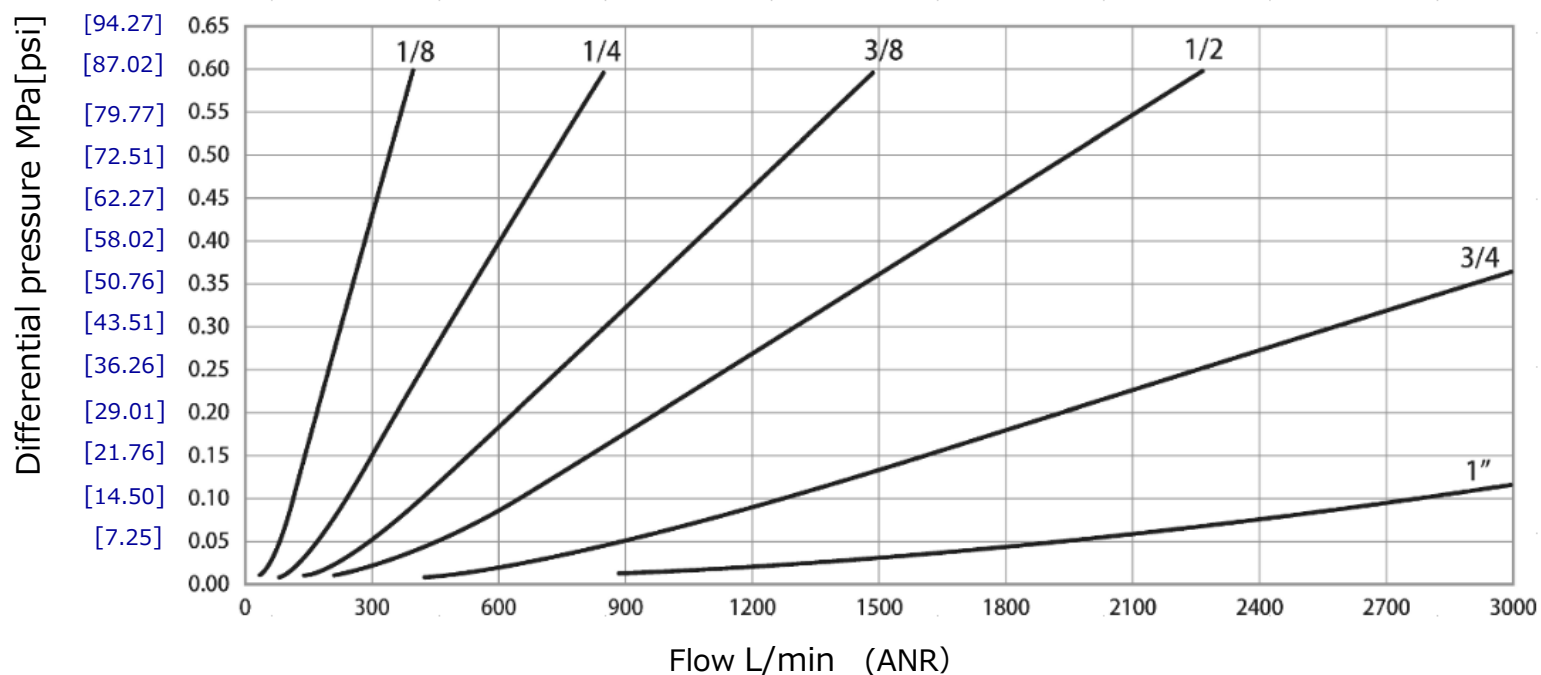
※When operating temperature ranges are more than 100℃[212°F] or less or -20℃[-4°F], contact us.



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■ Characteristic

FLOW CHARACTERISTICS AIR (Reference)



FLOW CHARACTERISTICS WATER (Reference)

