



FUJIKURA COMPOSITES

"FRA" series

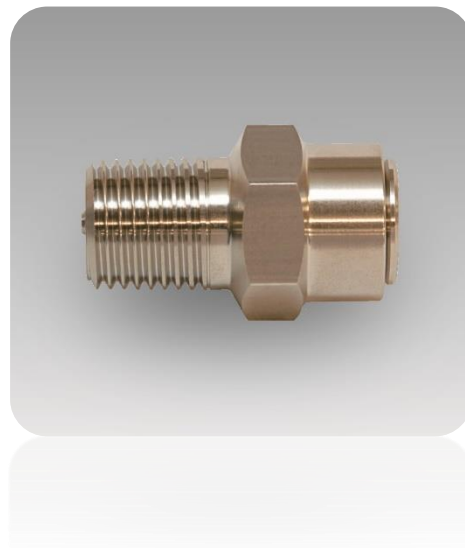
Low pressure atmospheric open model.

Air

Liquid

■ Features

- High precision cracking performance ,high sealability.
- Small and light design is ideal for fluid that exhaust to outside.
- Various port sizes.
- Cracking pressure's setting is done before delivering.



■ Applications

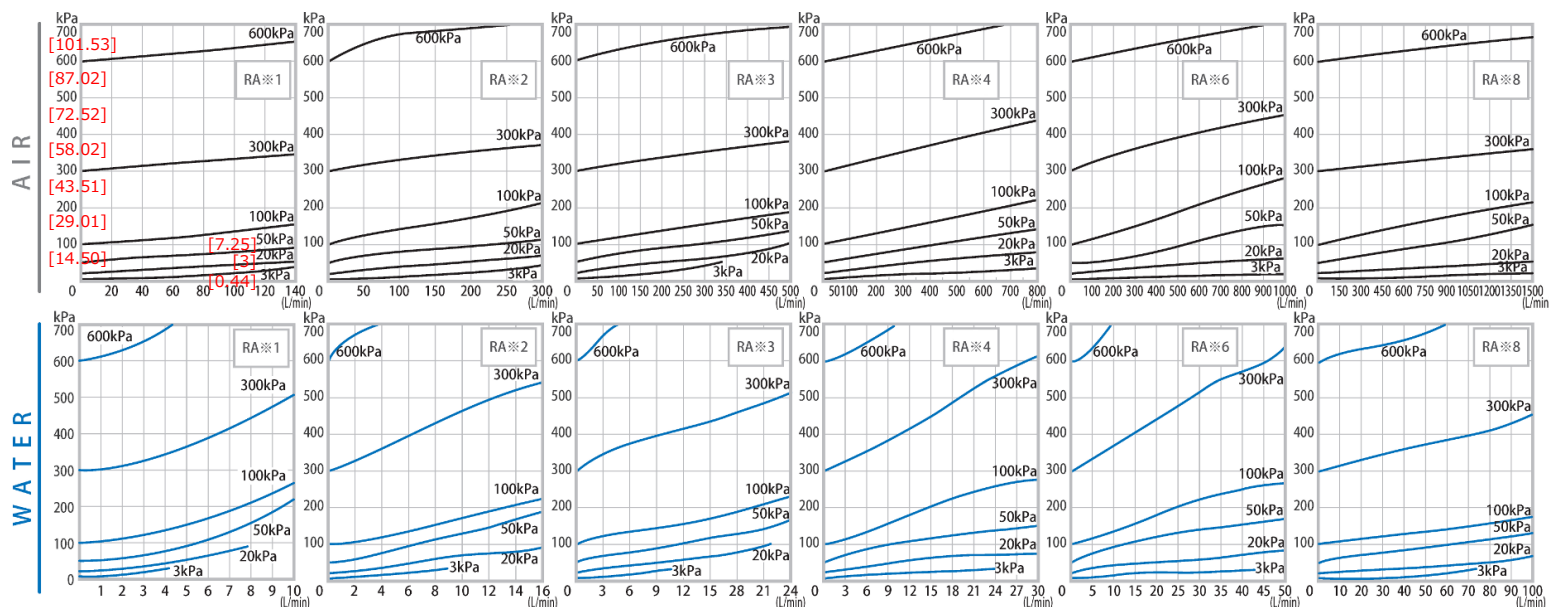
- Machine Tools : Milling machine, NC lathe, laser processing machine etc.
- Industrial furnace : General industrial furnace, heating furnace, vacuum furnace, etc.
- Medical : Endoscope washing device, oxygen concentrator, anesthesia machine etc.
- Analysis equipment: Measurement equipment, component 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

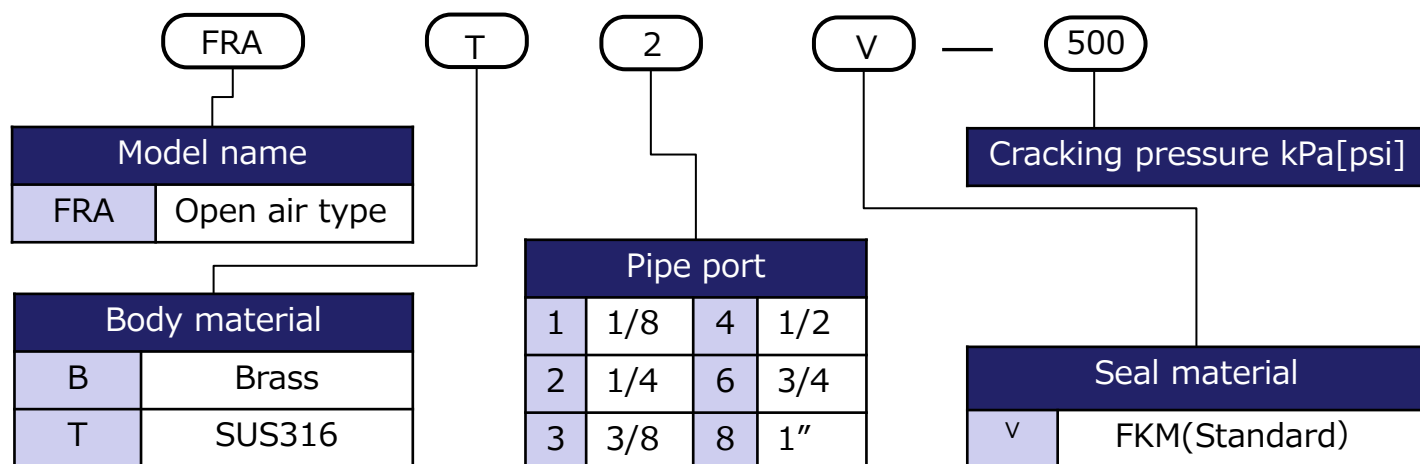
Pressure resistance MPa [psi]	1.62 [234.96]	Operating temperature range ℃[°F]	Pursuant to seal material
Pipe port	R1/8~R1	Cracking pressure kPa [psi]	5~1000 [0.72 ~145.03] ※*In the range of 10 to 100 kPa, the increments are 10 kPa; above 100 kPa, the increments are 50 kPa. ※Port size 1/8's pressure range is 5~950kPa [0.72~137.78psi]
Body material	Brass / SUS316		
Seal material	FKM(standard)		
Comment	■Brass bodies are nickel plating. ■In case of setting pressure is under 5kPa [0.73psi], pipe port is turned up.		



■ Characteristic



■ Model designation



Caution
Please order setting pressure at kPa.

Example) In case of 0.05MPa(50kPa) < 50 >
In case of 1MPa(1000kPa) < 1000 >

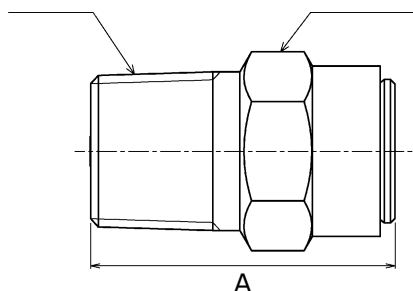
※Please inquire about other materials.

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



■ Size

Pipe port



HEX (Opposite side)

<mm> [inch]

Pipe port(R)	A	HEX (Opposite side)
1/8	<25.5±2.0> [1.00±0.08]	<13.0> [0.51]
1/4	<31.0±2.0> [1.22±0.08]	<17.0> [0.67]
3/8	<33.0±2.0> [1.30±0.08]	<19.0> [0.75]
1/2	<44.8±3.0> [1.76±0.12]	<26.0> [1.02]
3/4	<52.4±3.0> [2.06±0.12]	<29.0> [1.14]
1"	<72.8±3.0> [2.87±0.12]	<38.0> [1.50]