



# FUJIKURA COMPOSITES

## “FCAM” series



Cracking pressure adjustment model. Corresponds to compressed air and liquid.

### ■ Features

- Adjustment of cracking pressure is possible.
- High pressure model (maximum working pressure: 20 MPa[2900.75psi]).
- Ideal for small-volume applications such as prototype, research, etc.
- Compact, lightweight design.



### ■ 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.

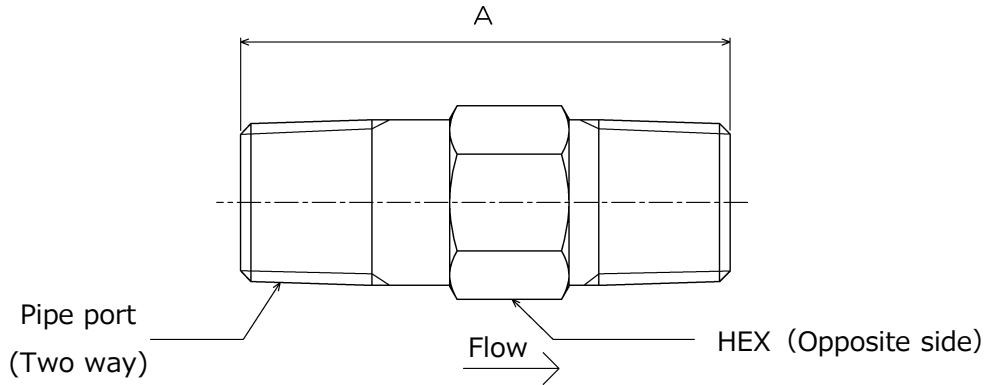
### ■ Specification

Maximum pressure MPa[psi]	20 [2900.75]	Seal material	FKM(Standard)			
Pressure resistance MPa[psi]	30 [4351.13]	Operating temperature	Pursuant to seal material			
Body material	Brass / SUS316	Cracking pressure kPa[psi]	A	20~100 [2.90~14.50]	D	1010~2400 [146.49~348.09]
Pipe port	Rc1/4, Rc1/2		B	110~350 [15.95~50.76]	E	2410~4100 [349.54~594.65]
			C	360~1000 [52.21~145.04]		
Adjusting tool	Hex wrench 1/4=4mm[0.16in.] 1/2=8mm[0.31in.]					
Comment	<ul style="list-style-type: none"> <li>■ If you need internal type, contact us.</li> <li>■ Tool for control is not attached.</li> </ul>					



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## ■ Size



Pipe port(R)	A	HEX (Opposite side)	CV (Reference)
1 / 4	<41.0> [1.61]	<14.0> [0.55]	<0.35>
1 / 2	<65.0> [2.56]	<23.0> [0.91]	<1.25>

## ■ Model designation

FCAM    
 B    
 2    
 V    
 —    
 B

Model name		Body material		Pipe port		Seal material		Springe kPa[psi]	
FCAM	Cracking pressure adjustment model.	B	Brass	2	1/4	V	FKM (Standard)	Code	Cracking pressure
		T	SUS316	4	3/8			A	20~100 [2.90~14.50]
								B	110~350 [15.95~50.76]
								C	360~1000 [52.21~140.04]
								D	1010~2400 [146.49~348.09]
								E	2410~4100 [349.54~594.65]

※Please inquire about other materials.

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

### 【Caution】

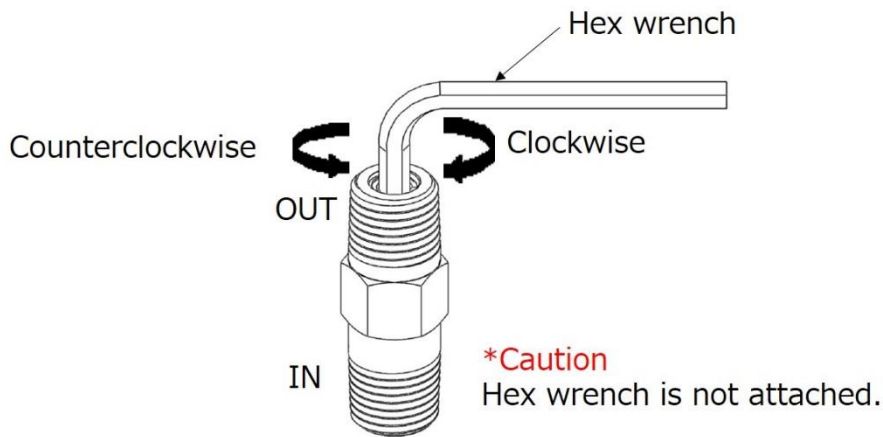
If you request for cracking pressure, please write cracking pressure after spring code by <kPa[psi]>. (Air pressure is not marked on body.)

Example) FCAMB2V-B-300  
 300kPa[43.51psi] (Minimum setting pressure 10kPa[1.45])

If you have no request, pressure is set minimum range.



## ■ Adjustment method



- 1) Turn a fixed nut counterclockwise and loosen it, with a hexagon wrench.
- 2) Insert a hexagon wrench to pressure control nut and coordinate cracking pressure.

Clockwise direction: Higher  
Counterclockwise direction: Lower

- 3) Pull back a hexagon wrench to the bottom of the fixed nut and turn it clockwise and lock it.
- 4) Please confirm cracking pressure.



### **Contact us**

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