



ENIB Co., Ltd.

# ACA PNEUMATIC VALVE

ABSOLUTE CHEMICAL APPLICATION- FERRULE CONNECTION TYPE

## OVERVIEW

ACA Pneumatic valve's all wetted parts are made of PFA material, and the valve is designed to generate optimal performance in handling high-purity chemicals.

## FEATURES

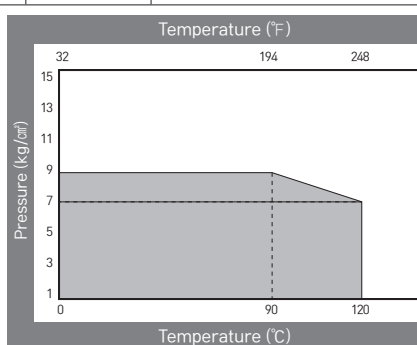
1. Based on GCA valve design
2. Suitable for handling strong acid and for preventing discoloration of non-flow stream components from chemical fume. Key parts are made of PFA material- valve body, bonnet, and fitting nut
3. Bonnet Lock and fitting Nut Lock stabilize and prevent loosening of valve components adding additional safety
4. Visually identifiable on and off indicator for precise valve operation

## TECHNICAL DATA

Actuator Type	Pneumatic Air Operation
Connection Type	ENIB Ferrule Connection
Configuration	2-Way Flow / Orifice
Air Port	1/8"PT(Female)
Supply Pressure	Minimum 6 ~ Maximum 7kg/cm <sup>2</sup> (86 ~ 100 psi)

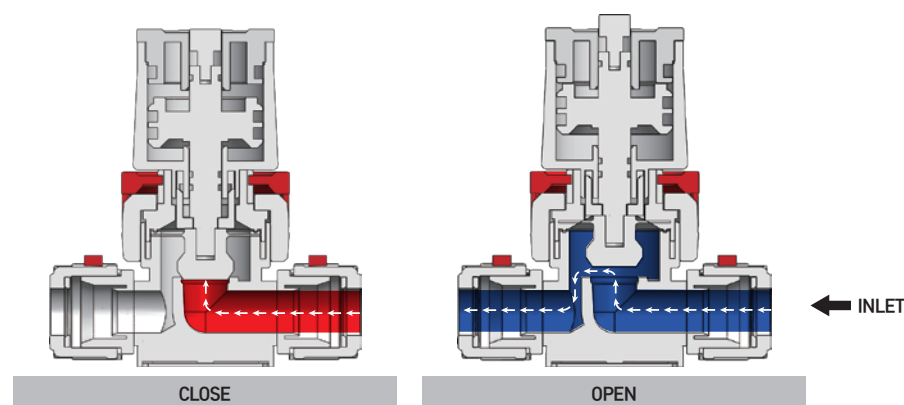
Model Number	Size	Orifice	Cv	Port Configuration
APV-FR-04	1/4"	4.5	0.5	1/4" Ferrule Connection
APV-FR-06	3/8"	6.9	1.1	3/8" Ferrule Connection
APV-FR-08	1/2"	10	1.8	1/2" Ferrule Connection
APV-FR-12	3/4"	16.4	5.8	3/4" Ferrule Connection
APV-FR-16	1"	22.8	11	1" Ferrule Connection
APV-FR-20	1-1/4"	28	14	1-1/4" Ferrule Connection

Operating Temperature	Operating Pressure
0 ~ 90 °C	9kg/cm <sup>2</sup> (0.9Mpa)
90 ~ 120 °C	7kg/cm <sup>2</sup> (0.7Mpa)



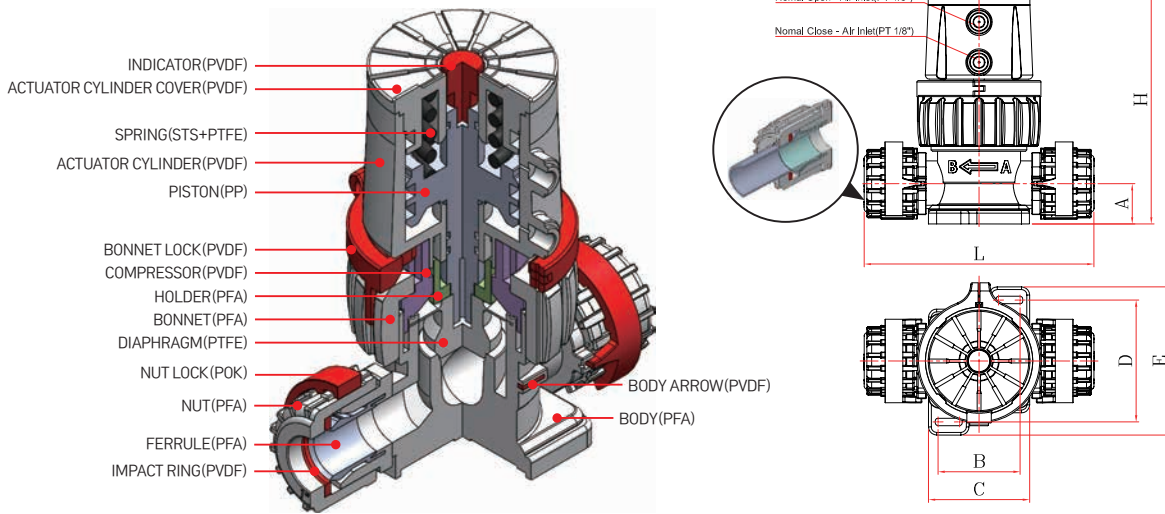
Standard Ferrule Type Size  
1/4" ~ 1-1/4"

## 2-WAY FLOW PATTERNS



Extrusion & injection, basic

## MATERIAL CONSTRUCTION & DIMENSION TABLE



Size	A	H	L	B	C	D	E
1/4"	0.71"(18mm)	4.65"(118mm)	3.94"(100mm)	1.14"(29mm)	1.61"(41mm)	1.89"(48mm)	2.48"(63mm)
3/8"	0.71"(18mm)	4.65"(118mm)	4.33"(110mm)	1.14"(29mm)	1.61"(41mm)	1.89"(48mm)	2.48"(63mm)
1/2"	0.87"(22mm)	4.90"(124.5mm)	4.74"(120.5mm)	1.34"(34mm)	1.81"(46mm)	2.17"(55mm)	2.76"(70mm)
3/4"	1.18"(30mm)	6.00"(152.5mm)	5.63"(143mm)	1.73"(44mm)	2.24"(57mm)	2.56"(65mm)	3.15"(80mm)
1"	1.18"(30mm)	7.26"(184.5mm)	6.71"(170.5mm)	2.40"(61mm)	2.95"(75mm)	3.56"(90.5mm)	4.33"(110mm)
1-1/4"	1.50"(38mm)	8.35"(212mm)	8.39"(213mm)	2.40"(61mm)	2.95"(75mm)	3.52"(89.5mm)	4.21"(107mm)

## HOW TO ORDER

### [Normal Close Type]

Type	CODE
ACA PNEUMATIC VALVE Normally Close Type	APV
Connection	CODE
FERRULE	FR
SIZE	CODE
1/4"	04
3/8"	06
1/2"	08
3/4"	12
1"	16
1-1/4"	20

### [Normal Open Type]

Type	CODE
ACA PNEUMATIC VALVE Normally Open Type	APVO
Connection	CODE
FERRULE	FR
SIZE	CODE
1/4"	04
3/8"	06
1/2"	08
3/4"	12
1"	16

### Example : APV-FR-12

APV	ACA PNEUMATIC VALVE Normally Close Type
FR	FERRULE
12	3/4"

### Example : APVO-FR-16

APVO	ACA PNEUMATIC VALVE Normally Open Type
FR	FERRULE
16	1"

## “ SMART VALUE OPERATION PRODUCT LINE UP ”

### ENIB (Extrusion & Injection, Basic Co., Ltd) Corporate Mission :

ENIB is to become a key provider of safe, high performance, and advanced technology device and components for fluid management systems and applications that meet or exceed the needs and requirements of global customers.

62, BANSAN 2-RO, MUNMAK-EUP, WONJU-SI,  
GANGWON-DO, REPUBLIC OF KOREA  
Customer Service Tel : +82 033-743-9200  
Customer Fax : +82 033-743-9201  
www.enib.co.kr