



ENIB Co., Ltd.

# ACA PNEUMATIC VALVE

ABSOLUTE CHEMICAL APPLICATION- FLARE 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

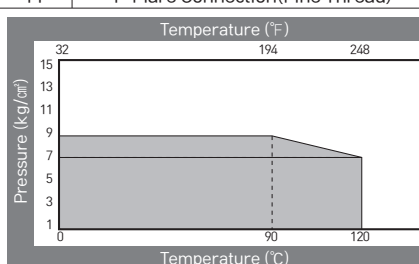
1. Based on GCA valve design
2. Suitable for handling strong acid and for preventing discoloration of non-flow stream components from chemical fume. Key parts are made of PFA material- valve body, bonnet, and fitting nut
3. Bonnet Lock and fitting Nut Lock stabilize and prevent loosening of valve components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

## TECHNICAL DATA

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

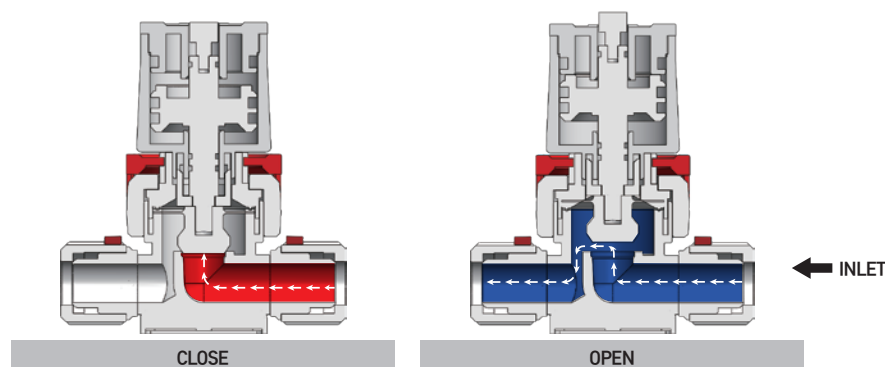
Model Number	Size	Orifice	Cv	Port Configuration	
Buttless Thread Type	APV-F-04	1/4"	4.5	0.5	1/4" Flare Connection
	APV-F-06	3/8"	6.9	1.1	3/8" Flare Connection
	APV-F-08	1/2"	10	1.8	1/2" Flare Connection
	APV-F-12	3/4"	16.4	5.8	3/4" Flare Connection
	APV-F-16	1"	22.8	11	1" Flare Connection
Fine Thread Type	APV-FF-04	1/4"	4.5	0.5	1/4" Flare Connection(Fine Thread)
	APV-FF-06	3/8"	6.9	1.1	3/8" Flare Connection(Fine Thread)
	APV-FF-08	1/2"	10	1.8	1/2" Flare Connection(Fine Thread)
	APV-FF-12	3/4"	16.4	5.8	3/4" Flare Connection(Fine Thread)
	APV-FF-16	1"	22.8	11	1" Flare Connection(Fine Thread)

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



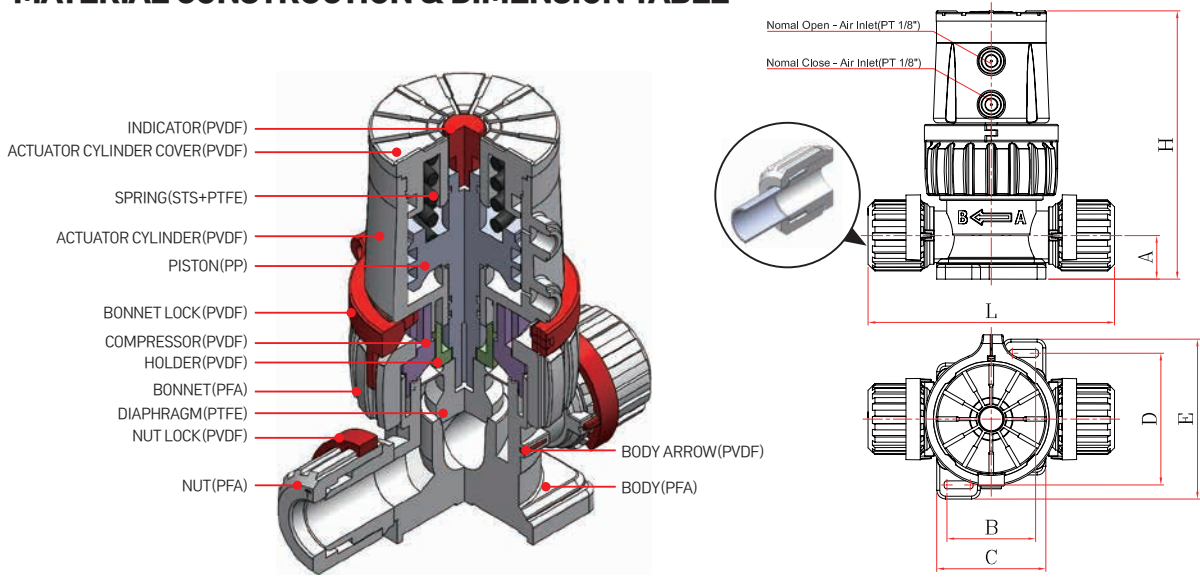
Standard Flare Type Size  
1/4" ~ 1"

## 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)	4.65"(118mm)	1.14"(29mm)	1.61"(41mm)	1.89"(48mm)	2.48"(63mm)
3/8"	0.71"(18mm)	4.65"(118mm)	4.65"(118mm)	1.14"(29mm)	1.61"(41mm)	1.89"(48mm)	2.48"(63mm)
1/2"	0.87"(22mm)	4.90"(124.5mm)	4.90"(124.5mm)	1.34"(34mm)	1.81"(46mm)	2.17"(55mm)	2.76"(70mm)
3/4"	1.18"(30mm)	6.00"(152.5mm)	6.00"(152.5mm)	1.73"(44mm)	2.24"(57mm)	2.56"(65mm)	3.15"(80mm)
1"	1.18"(30mm)	7.26"(184.5mm)	7.26"(184.5mm)	2.40"(61mm)	2.95"(75mm)	3.56"(90.5mm)	4.33"(110mm)

## HOW TO ORDER

### [Normal Close Type]

Type	CODE
ACA PNEUMATIC VALVE Normally Close Type	APV

Connection	CODE
FLARE / BUTTLESS THREAD	F
FLARE / FINE THREAD	FF

SIZE	CODE
1/4"	04
3/8"	06
1/2"	08
3/4"	12
1"	16

Example : APV-F-12

APV	ACA PNEUMATIC VALVE Normally Close Type
F	FLARE / BUTTLESS THREAD
12	3/4"

### [Normal Open Type]

Type	CODE
ACA PNEUMATIC VALVE Normally Open Type	APVO

Connection	CODE
FLARE / BUTTLESS THREAD	F
FLARE / FINE THREAD	FF

SIZE	CODE
1/4"	04
3/8"	06
1/2"	08
3/4"	12
1"	16

Example : APVO-F-16

APVO	ACA PNEUMATIC VALVE Normally Open Type
F	FLARE / BUTTLESS THREAD
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.

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