



ENIB Co., Ltd.

# ULTRAPURE TUBE&PIPE

## OVERVIEW & FEATURES

1. Manufactured with the latest extrusion equipment and can support various high purity chemicals
2. Many high-purity fluoropolymer resins (High Purity Grade PFA) are offered.
3. Produce and supply high-performance products that meet customer's requirements.
  - 1) Compatible to piping standards
  - 2) Compatible to various fitting standards
  - 3) Product customization possible based on customer's requests
4. PFA Materials Offered
  - 1) Daikin : AP 230, AP-231SH, CPT
  - 2) Chemours : 450HP, 451HP, 951HP
  - 3) Other PFA Materials

## TECHNICAL DATA

### 1. PFA Tube Size

1/4", 3/8", 1/2", 3/4", 1", 1-1/4", 1-1/2", 2"

### 2. PFA Pipe Size

15A, 20A, 25A, 40A, 50A

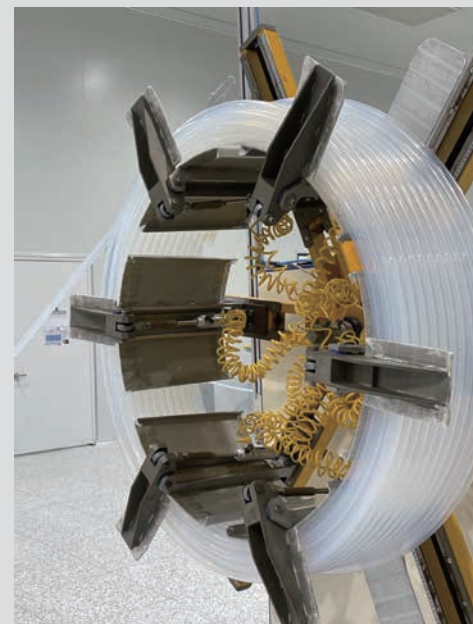
### 3. Operating Specification

	Operating Temperature	Maximum Operating Pressure
Tube	0~90°C	9kg/cm <sup>2</sup> (0.9Mpa)
	90~150°C	7kg/cm <sup>2</sup> (0.7Mpa)
	Over 150°C	Below 5kg/cm <sup>2</sup> (0.5Mpa)
Pipe	0~150°C	12kg/cm <sup>2</sup> (1.2Mpa)

### 4. Connection Type

Tube : Tube Flaring & Ferrule Type

Pipe : Fusible type



## DIMENSION TABLE

PFA TUBE										
Tube Size		1/4"	3/8"	1/2"	3/4"	1"	1-1/4"	1-1/2"	1-1/2"	2"
Out Dia	mm	6.35	9.53	12.70	19.05	25.40	31.80	38.10	40.00	50.80
	inch	0.250"	0.375"	0.500"	0.750"	1.000"	1.251"	1.500"	1.574"	2.000"
Tolerance	mm+-	0.102	0.102	0.127	0.127	0.127	0.203	0.203	0.203	0.254
Thickness	mm	1.19	1.57	1.57	1.57	1.57	1.90	2.18	2.18	2.40
	inch	0.048"	0.062"	0.062"	0.062"	0.062"	0.075"	0.086"	0.086"	0.094"
Tolerance	mm+-	0.102	0.127	0.127	0.127	0.127	0.127	0.127	0.127	0.127
In Dia	mm	3.97	6.39	9.56	15.91	22.26	28.00	33.74	35.64	46.00
	inch	0.156"	0.251"	0.376"	0.626"	0.876"	1.102"	1.328"	1.403"	1.811"
Application Length (M)		50	50	50	50	50	50	50	50	50
		100	100	100	100	100	100	100	100	
		150	150	150	150	150	150	150	150	
		200	200	200	200	200	200	200	200	

PFA PIPE						
Pipe Size		15A	20A	25A	40A	50A
Out Dia	mm	21.34	26.67	33.40	48.26	60.33
	inch	0.840"	1.050"	1.314"	1.900"	2.375"
Tolerance	mm+-	0.127	0.254	0.381	0.508	0.508
Thickness	mm	2.76	2.87	3.37	3.70	3.91
	inch	0.108"	0.112"	0.132"	0.145"	0.153"
Tolerance	mm+-	0.254	0.254	0.381	0.381	0.381
In Dia	mm	15.80	20.93	26.64	40.86	52.51
	inch	0.622"	0.824"	1.049"	1.608"	2.067"
Application Length (M)		3	3	3	3	3

## HOW TO ORDER

Product Name	CODE	SIZE	CODE	Length	CODE
PFA TUBE	PT	1/4"	04	3M	3M
PFA PIPE	PP	3/8"	06	50M	50M
		1/2"	08	100M	100M
		3/4"	12	150M	150M
		1"	16	200M	200M
		1-1/4"	20	ETC	
		1-1/2" (38.1)	24		
		1-1/2" (40)	24-40		
		2"	32		
		15A	15		
		20A	20		
		25A	25		
		40A	40		
		50A	50		

Material	CODE
AP 230	C230
AP 231 SH	231
450 HP	450
451 HP	451
951 HP	951

Type	CODE
Roll	RL
Straight	ST

Example : PT - 231 - 08 - 200M - RL

PT	PFA Tube
231	AP 231SH
08	1/2"
200M	200M
RL	Roll Type

Example : PP - 231 - 25 - 3M - ST

PP	PFA PIPE
231	AP 231SH
25	25A
3M	3M
ST	Straight Type

### “ 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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