
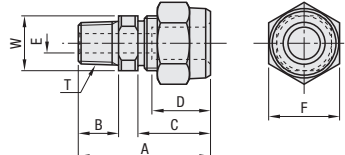


Fluoro resin Couplings / Fluoro resin Valves

Male Connectors
Bore-Through Connectors

FENL (Male Connectors)
FECT (Bore-Through Connectors *Through Fitting)


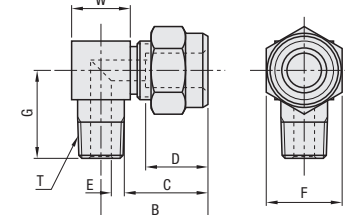
RoHS 10

Part Number Type	Applicable Tube O.D. (mm)	Nominal T R(PT)	FENL										FECT	
			A	B	C	D	E	F	W	Unit Price	Volume Discount Rate	Unit Price	Volume Discount Rate	
4	1	1/8	26	9	11	7	3	10	10					
	2	1/4	30	13					14					
6	1	1/8	29	9					10					
	2	1/4	33	13	14	10	4	12	14					
8	1	1/8	33	9					14					
	2	1/4	36	13	18	12	6	17	14					
10	1	1/8	37	13					17					
	2	1/4	40	13	21	16	8	22	17					
	3	3/8	40	13					17					
	4	1/2	43	17					22					

FECT has I.D. penetrated. Tube can be set at any desired portion by passing it through the body.
Size 8-1 is applicable only for FENL.

Male Elbows

FEMLT


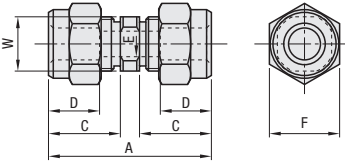



RoHS 10

Part Number Type	Applicable Tube O.D. (mm)	Nominal T R(PT)	FEMLT									
			A	B	C	D	E	F	G	W	Unit Price	Volume Discount Rate
4	1	1/8	17	11	7	3	10	16	11			
	2	1/4	18					20	14			
6	1	1/8	20					17	11			
	2	1/4	21	14	10	4	12	21	14			
8	1	1/8	25					20	14			
	2	1/4	25	18	12	6	17	24	14			
10	1	1/8	27					25	17			
	2	1/4	30	21	16	8	22	27	17			
	3	3/8	30					26	17			
	4	1/2	32					31	22			

Unions

FETP


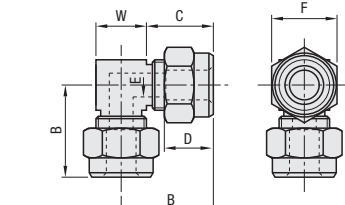



RoHS 10

Part Number Type	Applicable Tube O.D. (mm)	FETP						Unit Price	Volume Discount Rate
		A	C	D	E	F	W		
4	27	11	7	3	10	8			
	33	14	10	4	12	10			
6	42	18	12	6	17	14			
	48	21	16	8	22	17			

Union Elbows

FEUE


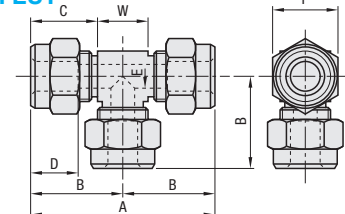



RoHS 10

Part Number Type	Applicable Tube O.D. (mm)	FEUE						Unit Price	Volume Discount Rate
		B	C	D	E	F	W		
4	15	11	7	3	10	8			
	19	14	10	4	12	10			
6	25	18	12	6	17	14			
	30	21	16	8	22	17			

Union Tees

FEUT


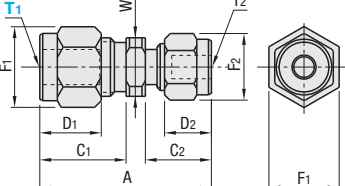



RoHS 10

Part Number Type	Applicable Tube O.D. (mm)	FEUT							Unit Price	Volume Discount Rate
		A	B	C	D	E	F	W		
4	30	15	11	7	3	10	8			
	38	19	14	10	4	12	10			
6	50	25	18	12	6	17	14			
	60	30	21	16	8	22	17			

Stepped Unions

FEUR


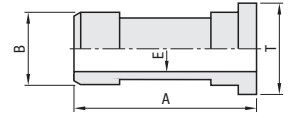



RoHS 10

Part Number Type	Applicable Tube O.D. (mm)		FEUR										Unit Price	Volume Discount Rate
	T1	T2	A	C1	C2	D1	D2	W	F1	F2				
6	4		31	14	11	10	7	10	12	10				
	6		37	18	14	12	10	14	17	12				
8	8		45	21	18	16	12	17	22	17				
	10		53	25	21	18	16	19	26	22				

Fluoro resin Couplings Tube Insert

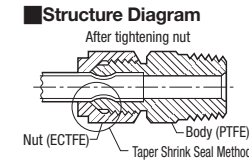
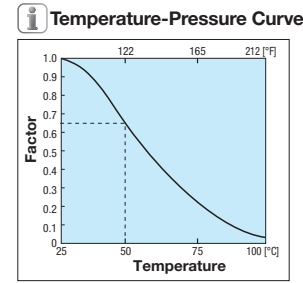
FETBS

RoHS 10

Part Number Type	Applicable Tube O.D. (mm)	FETBS				Unit Price	Volume Discount Rate
		T	A	B	E		
4	4	10	3	2			
	6	12	4	2.5			
	8	16	6	4.3			
	10	20	8	6.8			

It is not required for PTFE and PFA Type.



Tightening Torque of Nut (Reference Value)

Tube Size mm	Tightening Torque		Number of Revolution
	N·m	kgf·cm	
4x3	-	0.12	1.2
6x4	6.35x4.3	0.23	2.3
8x6	-	0.45	4.6
10x8	9.53x6.3	0.8	8.2

(Note) 1. PFA tube is used in the measurement.
2. General tolerance of tube is absorbed if the nut is tightened by the above torque value.
3. Number of revolution is begun to count up when tightening becomes fixed suddenly after lightly tightened by hand.

Specifications

Applicable Fluid	Super Pure Water, Acid, Alkali, Organic Solvent
Operating Temperature Range	0~100°C
Max. Operating Pressure	Nominal Dia. 4~8: 0.8MPa Nominal Dia. 10: 0.6MPa

Features
Excellent in chemical resistance.
Possible to tighten the nut with a spanner without using special tools.

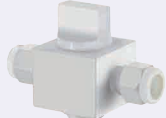
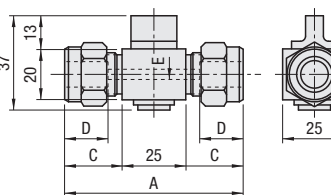
For Tubes, refer to "Fluoro resin Tubes" on P.1388 and "Fluoro Rubber Tubes" on P.1389.

Ordering Example

Part Number - Nominal
Example FENL4 - 1

Fluoro resin Valves 2-Way Valve

FBT

RoHS 10

Part Number Type	Applicable Tube O.D. (mm)	FBT				Unit Price	Volume Discount Rate
		A	C	D	E		
4	47	11	7	4	1 pc.	2~5	
	53	14	10	4			
	61	18	12	4			
	67	21	16	4			


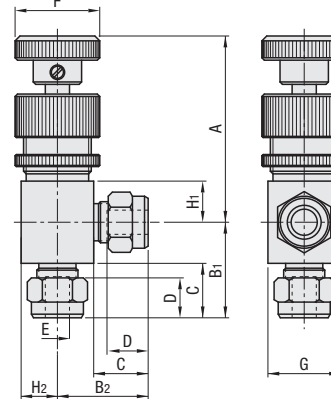
Specifications

Applicable Fluid	Super Pure Water, Acid, Alkali, Organic Solvent
Operating Temperature Range	Room Temperature
Max. Operating Pressure	0.2MPa
Applicable Material	PTFE, ECTFE, Fluoro Rubber

Features
• Excellent in chemical and corrosion resistance.
• Can be used in limited space because of its compact size.

Fluoro resin Valves Needle Valve

FBNB

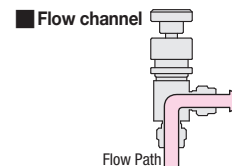
RoHS 10

Part Number Type	Applicable Tube O.D. (mm)		FBNB										Unit Price	Volume Discount Rate
	Max.	Min.	B1	B2	C	D	E	F	G	H1	H2			
4	76	67	23	22.5	11	7	3	30	23	12	11.5			
	76	67	26	25.5	14	10	4	30	23	12	11.5			
	76	67	30	29.5	18	12	6	30	23	12	11.5			
	87	77	38	36	21	16	8	35	30	17	15			

Specifications

Applicable Fluid	Super Pure Water, Acid, Alkali, Organic Solvent
Operating Temperature Range	0~100°C
Max. Operating Pressure	0.5MPa
Applicable Material	PTFE, PCTFE, ECTFE, PP

Features
• Excellent in chemical and corrosion resistance.
• Possible to finely adjust flow rate by turning the handle.



Ordering Example

Part Number
Example FBT8