

# INSTRUMENT

## PTFE Fittings



## Features

Maximum working pressure - 125 psi (8.6bar)  
 Maximum working temperature - 100°C(212°F)  
 Standard type fitting with simple structure and compact design  
 Easy Assembly taper swaging sealing system  
 Applicable sizes  
 - 1/4"~1/2" O.D., 6mm~12mm O.D.

## Cleaning

UNILOK PTFE fittings are free from machine oils, loose particles and grease throughout the close cleaning process.  
 The special cleaning for high purity application is available upon request.

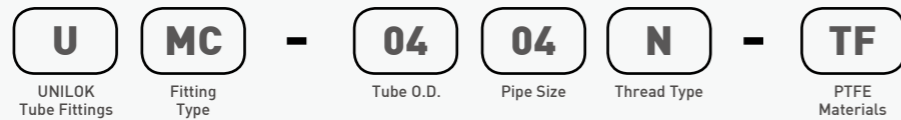
## Applications

Ultracure or corrosive chemical applications

## How To order

UNILOK PTFE fittings are ordered by part number as shown below.

**Example:** The following part number, *UMC-0404N-TF* is designated for Male Connector, 1/4"O.D. x 1/4" M-NPT, PTFE.



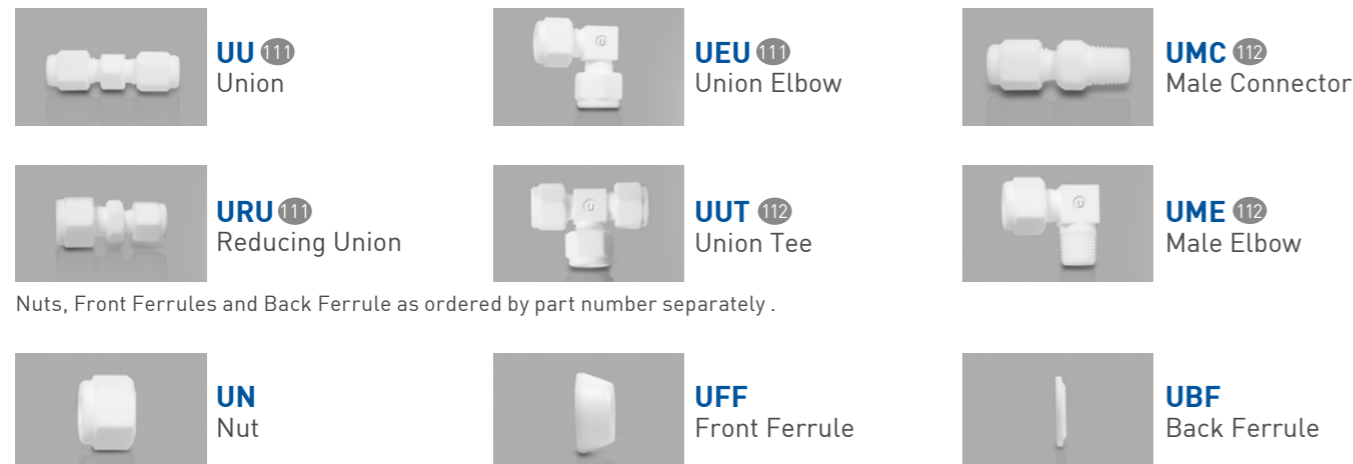
Fractional(Inch) Tube O.D. Designation				
Tube O.D.	inch	1/4	3/8	1/2
	mm	6.35	9.52	12.70
Designator		04	06	08

Pipe Size Designation (NPT or ISO7/1-PT)			
Pipe Size	1/4	3/8	1/2
Designator	04	06	08

Metric Tube O.D. Designation					
Tube O.D.	mm	6	8	10	12
	Designator	M06	M08	M10	M12

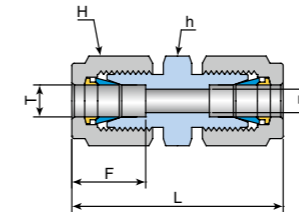
Thread Type Designation		
Thread Type		Designator
NPT	National Standard Pipe Thread	N
ISO 7/1	Taper Pipe Thread	R

## Visual Index



Nuts, Front Ferrules and Back Ferrule as ordered by part number separately .

## UU Union



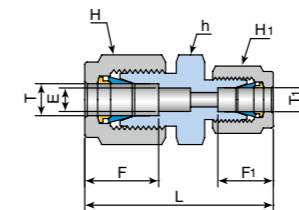
### Connects Fractional Tube

Part No.	Tube O.D. T (inch)	Dimensions (mm)				
		E (Min)	h	H	F	L
UU-04-TF	1/4	4.8	15.87	15.87	15.2	43.2
UU-06-TF	3/8	7.0	20.63	20.63	17.0	45.7
UU-08-TF	1/2	10.0	25.40	25.40	22.9	52.1

### Connects Metric Tube

Part No.	Tube O.D. T	Dimensions (mm)				
		E (Min)	h	H	F	L
UU-M06-TF	6	4.8	15.87	15.87	15.2	43.2
UU-M08-TF	8	6.4	17.46	17.46	16.2	43.5
UU-M10-TF	10	8.0	19.05	19.05	17.2	46.5
UU-M12-TF	12	9.5	25.40	25.40	22.9	52.1

## URU Reducing Union



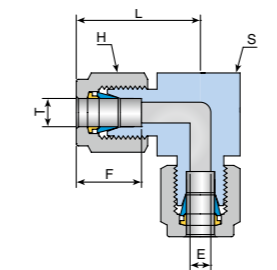
### Connects Fractional Tube

Part No.	Tube O.D.		Dimensions (mm)						
	T <sub>1</sub>	T <sub>2</sub>	E (Min)	h	H	H <sub>1</sub>	F	F <sub>1</sub>	L
URU-0604-TF	3/8	1/4	4.8	20.63	20.63	15.87	17.0	15.2	45.0
URU-0804-TF	1/2	1/4	4.8	25.4	25.40	15.87	22.9	15.2	48.5
URU-0806-TF	1/2	3/8	7.0	25.4	25.40	20.63	22.9	17.0	49.3

### Connects Metric Tube

Part No.	Tube O.D.		Dimensions (mm)						
	T <sub>1</sub>	T <sub>2</sub>	E (Min)	h	H	H <sub>1</sub>	F	F <sub>1</sub>	L
URU-M10M06-TF	10	6	4.8	19.05	19.05	15.87	17.20	15.2	45.4
URU-M12M06-TF	12	6	4.8	25.40	25.40	15.87	22.90	15.2	48.5
URU-M12M10-TF	12	10	7.0	25.40	25.40	19.05	22.90	17.2	49.7

## UEU Union Elbow



### Connects Fractional Tube

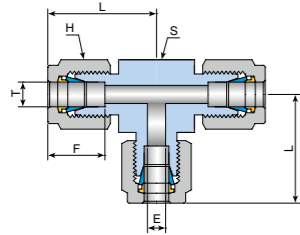
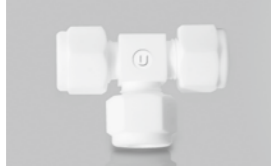
Part No.	Tube O.D. T	Dimensions (mm)				
		E (Min)	S	H	F	L
UEU-04-TF	1/4	4.8	15.87	15.87	15.2	28.7
UEU-06-TF	3/8	7.0	20.63	20.63	17.0	31.2
UEU-08-TF	1/2	10.0	25.40	25.40	22.9	36.8

### Connects Metric Tube

Part No.	Tube O.D. T	Dimensions (mm)				
		E (Min)	S	H	F	L
UEU-M06-TF	6	4.8	15.87	15.87	15.2	28.7
UEU-M08-TF	8	6.4	17.46	17.46	16.2	31.1
UEU-M10-TF	10	8.0	19.05	19.05	17.2	31.6
UEU-M12-TF	12	9.5	25.40	25.40	22.9	36.8

Dimensions are for reference only and are subject to change without prior notice.

## UUT Union Tee



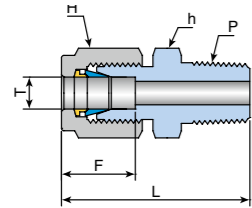
### Connects Fractional Tube

Part No.	Tube O.D. T (inch)	Dimensions (mm)				
		E (Min)	h	H	F	L
UUT-04-TF	1/4	4.8	15.87	15.87	15.2	28.7
UUT-06-TF	3/8	7.0	20.63	20.63	17.0	31.2
UUT-08-TF	1/2	10.0	25.40	25.40	22.9	36.8

### Connects Metric Tube

Part No.	Tube O.D. T	Dimensions (mm)				
		E (Min)	h	H	F	L
UUT-M06-TF	6	4.8	15.87	15.87	15.2	28.7
UUT-M08-TF	8	6.4	17.46	17.46	16.2	31.1
UUT-M10-TF	10	8.0	19.05	19.05	17.2	31.6
UUT-M12-TF	12	9.5	25.40	25.40	22.9	36.8

## UMC Male Connector



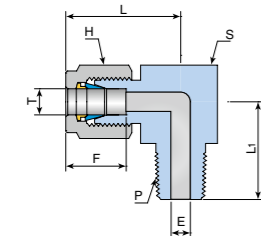
### Connects Fractional Tube to Female Pipe

Part No.	Tube O.D. T (inch)	P (inch)	Dimensions (mm)				
			E (Min)	h	H	F	L
UMC-0404N-TF	1/4	1/4	4.8	15.87	15.87	15.2	39.1
UMC-0606N-TF	3/8	3/8	7.0	20.63	20.63	17.0	40.6
UMC-0808N-TF	1/2	1/2	10.0	25.40	25.40	22.9	49.0

### Connects Metric Tube to Female Pipe

Part No.	Tube O.D. T	P (inch)	Dimensions (mm)				
			E (Min)	h	H	F	L
UMC-M0604N-TF	6	1/4	4.8	15.87	15.87	15.2	39.1
UMC-M0804N-TF	8	1/4	6.4	17.46	17.46	16.2	39.5
UMC-M1006N-TF	10	3/8	8.0	19.05	19.05	17.2	41.0
UMC-M1208N-TF	12	1/2	9.5	25.40	25.40	22.9	49.0

## UME Male Elbow



### Connects Fractional Tube to Female Pipe

Part No.	Tube O.D. (inch)	P (inch)	Dimensions (mm)					L <sub>1</sub>
			E (Min)	h	H	F	L	
UME-0404N-TF	1/4	1/4	4.8	15.87	15.87	15.2	28.7	24.4
UME-0606N-TF	3/8	3/8	7.0	20.63	20.63	17.0	31.2	26.2
UME-0808N-TF	1/2	1/2	10.0	25.40	25.40	22.9	36.8	33.8

### Connects Metric Tube to Female Pipe

Part No.	Tube O.D. T	P (inch)	Dimensions (mm)					L <sub>1</sub>
			E (Min)	h	H	F	L	
UME-M0604N-TF	6	1/4	4.8	15.87	15.87	15.2	28.7	24.4
UMC-M0804N-TF	8	1/4	6.4	17.46	17.46	16.2	30.1	25.1
UME-M1006N-TF	10	3/8	8.0	19.05	19.05	17.2	31.6	26.6
UME-M1208N-TF	12	1/2	9.5	25.40	25.40	22.9	36.8	33.8

Dimensions are for reference only and are subject to change without prior notice.