

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.

Applications

Ultrapure 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.

U

UNILOK
Tube Fittings

MC

Fitting
Type

-

04

Tube O.D.

04

Pipe Size

N

Thread Type

-

TF

PTFE
Materials

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

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

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

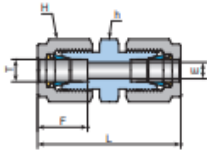
Thread Type Designation		
Thread Type		Designator
NPT	National Standard Pipe Thread	N
ISO 7/1	Taper Pipe Thread	R

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.

UU

Union



Connects Fractional Tube

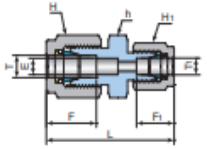
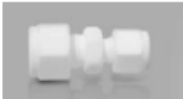
Part No.	Tube O.D. T(Inch)	Dimensions (mm)				
		E (Min)	h	H	F	L
UU-04-TF	1/4	4.8	15.87	15.87	15.2	43.2
UU-06-TF	3/8	7.0	20.63	20.63	17.0	45.7
UU-08-TF	1/2	10.0	25.40	25.40	22.9	52.1

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 ₁	T ₂	E (Min)	h	H	H ₁	F	F ₁	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 ₁	T ₂	E (Min)	h	H	H ₁	F	F ₁	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

Visual Index

UU
Union

UEU
Union Elbow

UMC
Male Connector

URU
Reducing Union

UUT
Union Tee

UME
Male Elbow

UN
Nut

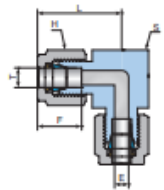
UFF
Front Ferrule

UBF
Back Ferrule

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

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

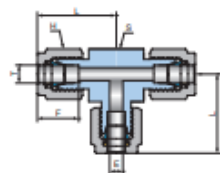
Connects Metric Tube

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

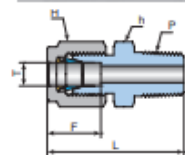
Part No.	Tube O.D. T (inch)	Dimensions (mm)				
		E (Min)	h	H	F	L
UUT-04-TF	1/4	4.8	15.87	15.87	15.2	28.7
UUT-06-TF	3/8	7.0	20.63	20.63	17.0	31.2
UUT-08-TF	1/2	10.0	25.40	25.40	22.9	36.8

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

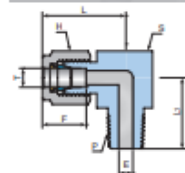
Part No.	Tube O.D. T (inch)	P (inch)	Dimensions (mm)				
			E (Min)	h	H	F	L
UMC-0404N-TF	1/4	1/4	4.8	15.87	15.87	15.2	39.1
UMC-0606N-TF	3/8	3/8	7.0	20.63	20.63	17.0	40.6
UMC-0808N-TF	1/2	1/2	10.0	25.40	25.40	22.9	49.0

Connects Metric Tube to Female Pipe

Part No.	Tube O.D. T	P (inch)	Dimensions (mm)				
			E (Min)	h	H	F	L
UMC-M0404N-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 _i
			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 _i
			E (Min)	h	H	F	L	
UME-M0604N-TF	6	1/4	4.8	15.87	15.87	15.2	28.7	24.4
UME-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