

## Product Grade

Grade	STD	EP	SEP
Material	SUS316, SUS316L, SUS316LE (Double melt material)		
Surface Roughness	≤ Rz 3.2 μm	≤ Rz 0.7 μm	
Polish	Mechanical Polished	Electro Polished	
Cleaning	Degreasing + Precision cleaning		
Clean Room Environment	Class10		
Packaging *1	Single bagged package	Double bagged package	

\*1 All gaskets are single bagged package.

\*Max.temperature and pressure may be referred to the table and graph below.

## Production Range Table

			SUS316			SUS316L		SUS316LE	NI
			Un-polished	STD	EP	STD	EP	SEP	EP
Gland	S	Gland							
	SB	Blind Gland	×	×	×	○	○	○	×
	□S	Reducing Gland							
Nut	NF	Female Nut							
	NM	Male Nut							
	NSM	Male Short Nut							
	NFH	Female Nut (High-flow)	○	×	×	×	×	×	×
	NMH	Male Nut (High-flow)							
	NBF	Female Blind Nut							
	NBM	Male Blind Nut							
Gasket	G	Gasket	×	×	×	×	×	○	○
	RG	Retainer Gasket							
	BG	Blind Gasket							
Union	UM	Male Union	×	○	○	Optional	Optional	×	×
	UF	Female Union	○	×	×	×	×	×	×
	UB	Bulkhead Union	×	○	Optional	×	×	×	×
	UBS	Bulkhead Union (Tube End)	×	×	×	○	○	Optional	×
	UE	Union Elbow							
	UT	Union Tee	×	×	×	○	○	○	×
	UC	Union Cross							
Double union	USFW	Double Female Union							
	UEFW	Doubled Female Union Elbow							
	UTFW	Double Female Union Tee							
	UCFW	Double Female Union Cross	×	×	×	○	○	○	×
	USMW	Double Male Union							
	UEMW	Double Male Union Elbow							
	UTMW	Double Male Union Tee							
Manifold	ME	Manifold Elbow	×	×	×	○	○	○	×
	MT	Manifold Tee							

Note: Polish designator for the nuts, female unions, and gaskets are omitted from the model number for simplification purpose.

\*Gasket of 316LE:1/4",1/2" are available

## Temperature and Pressure Resistance

Sleeve Size			Maximum Operating Pressure (MPa)				
Size	Outer Diameter	Thickness	42°C	80°C	150°C	250°C	350°C
1/8"	3.18	0.7	59	53	45	39	36
1/4"	6.35	1	40	36	30	27	24
3/8"	9.53	1	25	23	19	17	15
1/2"	12.7	1.24	23	21	18	15	14
3/4"	19.05	1.24	15	13	11	10	9

[note] 1. Max Pressure in the table are calculated by each wall thickness.

2. Temperature above 300°C, durability for re-assembly tend to decrease.

## CVC Temperature and Pressure Resistance

