■ 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 Enviroment	Class10			
Packaging *1	Single bagged package	Double bagged package		

■ Production Range Table

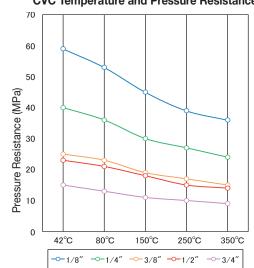
			SUS316		SUS316L		SUS316LE	NI	
			Un- polished	STD	EP	STD	EP	SEP	EP
Gland	S	Gland							
	SB	Blind Gland	×	×	×	0	0	0	×
	□S	Reducing Gland							
	NF	Female Nut		×	×	×	×	×	×
	NM	Male Nut							
	NSM	Male Short Nut							
Nut	NFH	Female Nut (High-flow)	0						
	NMH	Male Nut (High-flow)							
	NBF	Female Blind Nut							
	NBM	Male Blind Nut							
Gasket	G	Gasket		×	×	×	×	0	0
	RG	Retainer Gasket	×						
	BG	Blind Gasket							
	UM	Male Union	×	0	0	Optional	Optional	×	×
	UF	Female Union	0	×	×	×	×	×	×
	UB	Bulkhead Union	×	0	Optional	×	×	×	×
Union	UBS	Bulkhead Union (Tube End)	×	×	×	0	0	Optional	×
	UE	Union Elbow		×	×	0	0	0	×
	UT	Union Tee	×						
	UC	Union Cross							
	USFW	Double Female Union		×	×	0	0	0	×
	UEFW	Doubled Female Union Elbow							
Double union	UTFW	Double Female Union Tee							
	UCFW	Double Female Union Cross	×						
	USMW	Double Male Union	×						
	UEMW	Double Male Union Elbow							
	UTMW	Double Male Union Tee							
	UCMW	Double Male Union Cross							
Manifold	ME	Manifold Elbow	×	_	×	0	0	0	×
IVIATIIIOIU	MT	Manifold Tee	×	×	*				

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

■ 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

CVC Temperature and Pressure Resistance



^{*1} All gaskets are single bagged package.
*Max.temperature and pressure may be refered to the table and graph below.

^{*}Gasket of 316LE:1/4",1/2" are available

[[]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.