



AVS ELSA 耐腐蝕快速接頭, PVDF



PVDF version

操作壓力由技術真空到最大壓力請參照相應規範表。
溫度範圍由0°C至+ 120°C(限制見規格表)。

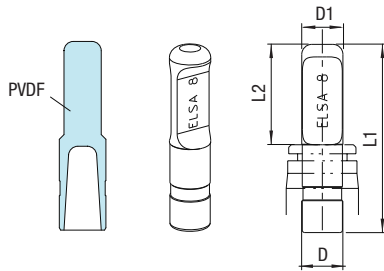
應用範圍

化學工業主要使用PVDF製成的ELSA快插裝置，即使在高溫下也具有很高的耐化學腐蝕性。這些快插裝置配備了符合FDA標準的FKM密封圈。可根據要求，提供符合FDA標準和KTW認證的EPDM密封圈。

產品規格

閥體材質/ 適用性		
Plastic PVDF	Polyvinylidene fluoride. Suitable for many aggressive media. The FKM sealing ring is FDA-compliant and can be used in the food and pharmaceutical industries.	
其他材料	See relevant products	
認證	NSF/ANSI 169	
管材規格		
外徑 Ø OD [mm]	4, 6 and 8	10, 12
公差[mm]	± 0.1	± 0.15
Perm. grades	Polyamide (PA), polyurethane (PU), fluorine polymer (FEP and PFA)	
螺紋		
外螺紋	“M” cylindrical thread: Metric ISO thread M5	
外螺紋	“G” cylindrical thread: Whitworth pipe thread DIN ISO 228-1 G 1/8 up to G 3/8	
內螺紋	“G” cylindrical thread: Whitworth pipe thread DIN ISO 228-1 G 1/8 up to G 1/4	
工作壓力 / 溫度		
塑膠配件	Max. Operating pressure OP at the stated ambient temp. and medium temp. according to table	Means that the allowable operating pressure OP within the allowable ambient temperature also depends on the medium temperature in accordance with the specification table.
Allowable operating pressure and operating temperature of pipe / tube must be observed!		
螺紋密封圈		
圓柱型螺紋接頭	Thread sealed by a FKM O-Ring in recess	applies to all cylindrical threaded nipples
“可旋轉” 版本		
90° 彎頭, T型和Y型適配器 - 公接頭	not suitable for rotating or oscill. movements	Some types of fittings rotate 360° in order to facilitate alignment during assembly or for compensating movement.
SPECIAL VERSIONS (NOT INCLUDED IN THE CATALOGUE)		
We also produce ELSA push-in fittings in various special versions not included in the catalogue, as well as customer-specific versions. • other O-ring materials such as EPDM, FDA-compliant • for pipes / tubes with inch dimensions • “R” conical threaded fitting		

尺寸圖



Push-in Plug

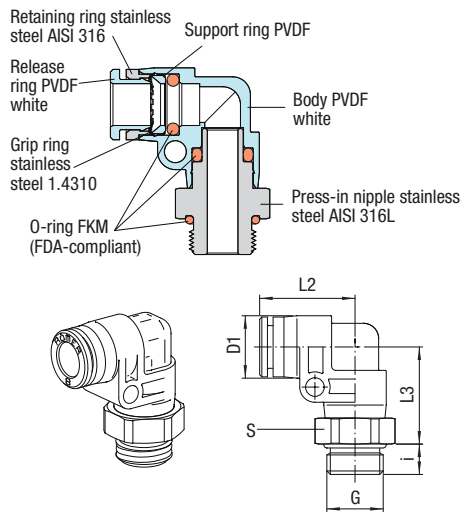
Product group **12** Max. allow. OP at ambient temp.
T_{min} -20°C, T_{max} +60°C



Plastic
PVDF

for plug-in connector D	Max. allow. OP [bar] at medium temp.			L1	L2	D1	Weight in [g]	Type	Order number	
	20°C	100°C	120°C							
4	16	16	10	31.5	17	6	0.7	971V-4	237454	
6	16	16	10	34.5	19	8	1.2	971V-6	237460	
8	16	12	10	37.5	20	8	1.7	971V-8	237462	
10	16	12	10	40.5	20.5	8	2.3	971V-10	237465	

尺寸圖



90° Elbow Adapter - Male - Positionable

Product group **12** Max. allow. OP at ambient temp.
T_{min} 0°C, T_{max} +60°C

Thread cylindrical

Thread sealed by a FKM O-Ring in recess

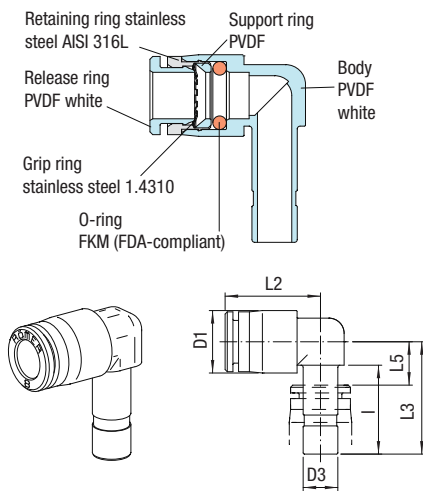
not suitable for rotating or oscill. movement



Plastic
PVDF

for tube OD	G	Max. allow. OP [bar] at medium temp.			i	L2	L3	D1	S	Weight in [g]	Type	Order number	
		20°C	100°C	120°C									
4	M 5	16	10	3	3.5	14.5	11	10	8	3.4	930V-4FF-M5	367334	
4	G 1/8	16	10	3	5	18.5	19.5	12.5	13	18.3	930V-4FF-1/8	367335	
4	G 1/4	16	10	3	7	18.5	20	12.5	17	24.6	930V-4FF-1/4	367348	
6	M 5	16	10	3	3.5	16.5	11	12	8	3.8	930V-6FF-M5	367336	
6	G 1/8	16	10	3	5	19	19.5	12.5	13	15.9	930V-6FF-1/8	367337	
6	G 1/4	16	10	3	7	19	20	12.5	17	28.5	930V-6FF-1/4	367338	
8	G 1/8	16	8	3	5	22	22	14.5	14	19	930V-8FF-1/8	367339	
8	G 1/4	16	8	3	7	22	22.5	14.5	17	26.4	930V-8FF-1/4	367340	
8	G 3/8	16	8	3	8	22	22.5	14.5	19	35.2	930V-8FF-3/8	367341	
10	G 1/4	12	6	3	7	26	25.5	17	17	32.2	930V-10FF-1/4	367342	
10	G 3/8	12	6	3	8	26	25.5	17	19	40.7	930V-10FF-3/8	367343	
12	G 1/4	12	6	3	7	31	30.5	23	22	57.6	930V-12FF-1/4	367349	
12	G 3/8	12	6	3	8	31	30.5	23	22	58	930V-12FF-3/8	367350	

尺寸圖



90° Elbow Connector with Stem

Product group **12** Max. allow. OP at ambient temp.
T_{min} 0°C, T_{max} +60°C



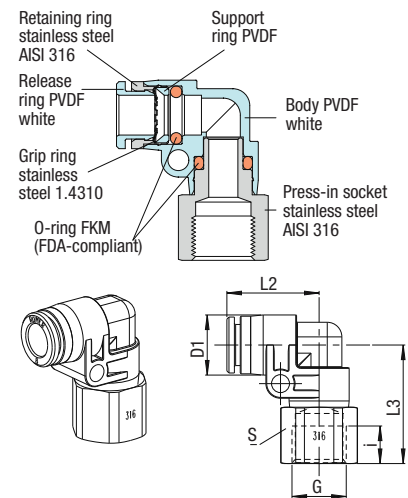
Plastic
PVDF

for tube OD	Stem D3	Max. allow. OP [bar] at medium temp.			I	L2	L3	D1	L5	Weight in [g]	Type	Order number	
		20°C	100°C	120°C									
4	4	16	10	3	17	18.5	21.5	12.5	8.5	3.7	911V-4FF-D4	367028	
4	6	16	10	3	18	18.5	22.5	12.5	8.5	3.8	911V-4FF-D6	367029	
6	4	16	10	3	17	19	21.5	12.5	8.5	3.8	911V-6FF-D4	367030	
6	6	16	10	3	18	19	22.5	12.5	8.5	3.8	911V-6FF-D6	367031	
6	8	16	10	3	20.5	22	26	14.5	10.5	5.6	911V-6FF-D8	367032	
8	8	16	8	3	20.5	22	26	14.5	10.5	5.7	911V-8FF-D8	367033	
8	10	16	8	3	24	25.5	32	17	14	8.5	911V-8FF-D10	367034	
10	10	12	6	3	24	26	32	17	14	10.1	911V-10FF-D10	367035	

90° Elbow Adapter - Female - Positionable

Product group	12	Max. allow. OP at ambient temp. T _{min} 0°C, T _{max} +60°C			Thread cylindrical	not suitable for rotating or oscill. movement					NSF	Plastic PVDF	
for tube OD	G	Max. allow. OP [bar] at medium temp.			i	L2	L3	D1	S	Weight in [g]	Type	Order number	
		20°C	100°C	120°C									
4	G 1/8	16	10	3	6.5	18.5	24.5	12.5	13	16.3	979V-4FF-1/8	367880	
4	G 1/4	16	10	3	9	18.5	27.5	12.5	17	24.7	979V-4FF-1/4	367881	
6	G 1/8	16	10	3	6.5	19	24.5	12.5	13	16.3	979V-6FF-1/8	367882	
6	G 1/4	16	10	3	9	19	27.5	12.5	17	24.7	979V-6FF-1/4	367883	
8	G 1/8	16	8	3	6.5	22	25	14.5	17	24.9	979V-8FF-1/8	367884	
8	G 1/4	16	8	3	9	22	30	14.5	17	27	979V-8FF-1/4	367885	

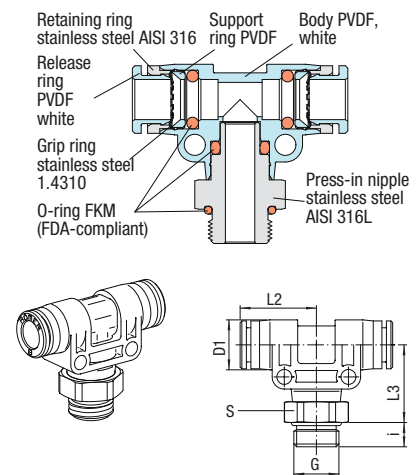
尺寸圖



T-Adapter - Male - Positionable

Product group	12	Max. allow. OP at ambient temp. $T_{min} 0^{\circ}\text{C}, T_{max} +60^{\circ}\text{C}$				Thread cylindrical	Thread sealed by a FKM O-Ring in recess				not suitable for rotating or oscill. movement		Plastic PVDF			
		Max. allow. OP [bar] at medium temp.			i		L2	L3	D1	S				Weight in [g]	Type	Order number
		20°C	100°C	120°C												
for tube OD	G															
4	G 1/8	16	10	3	5	18.5	19.5	12.5	13	19.4	921V-4FF-1/8	367356				
4	G 1/4	16	10	3	7	18.5	20	12.5	17	28.5	921V-4FF-1/4	367357				
6	G 1/8	16	10	3	5	19	19.5	12.5	13	19.7	921V-6FF-1/8	367362				
6	G 1/4	16	10	3	7	19	20	12.5	17	28.7	921V-6FF-1/4	367363				
8	G 1/8	16	8	3	5	22	22	14.5	14	24.1	921V-8FF-1/8	367366				
8	G 1/4	16	8	3	7	22	22.5	14.5	17	31.4	921V-8FF-1/4	367367				
8	G 3/8	16	8	3	8	22	22.5	14.5	19	40.2	921V-8FF-3/8	367368				
10	G 1/4	12	6	3	7	26	25.5	17	17	40.3	921V-10FF-1/4	367371				
10	G 3/8	12	6	3	8	26	25.5	17	19	48.3	921V-10FF-3/8	367372				
12	G 1/4	12	6	3	7	31	30.5	23	22	66.1	921V-12FF-1/4	367374				
12	G 3/8	12	6	3	8	31	30.5	23	22	74.1	921V-12FF-3/8	367375				

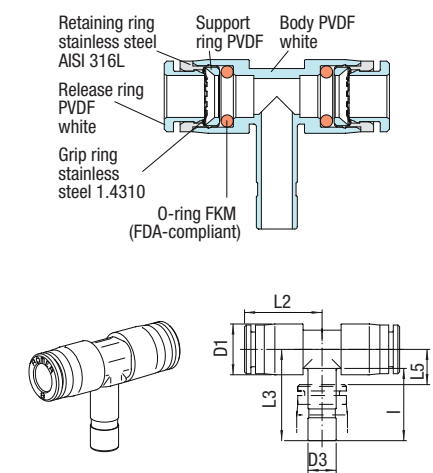
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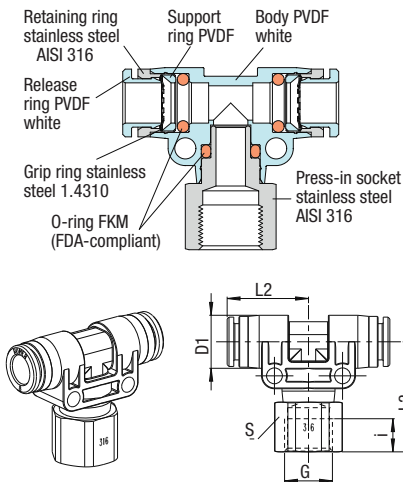
T-Stem Connector

Product group	12	Max. allow. OP at ambient temp. T _{min} 0°C, T _{max} +60°C											 NSF H20846	Plastic PVDF
for tube OD	Stem D3	Max. allow. OP [bar] at medium temp.			I	L2	L3	D1	L5	Weight in [g]	Type	Order number		
		20°C	100°C	120°C										
4	4	16	10	3	17	18.5	21.5	12.5	8.5	7.1	912V-4FF-D4	367036		
4	6	16	10	3	18	18.5	22.5	12.5	8.5	7.3	912V-4FF-D6	367037		
6	4	16	10	3	17	19	21.5	12.5	8.5	7.1	912V-6FF-D4	367038		
6	6	16	10	3	18	19	22.5	12.5	8.5	7.3	912V-6FF-D6	367039		
6	8	16	10	3	20.5	21.5	26	14.5	10.5	10.5	912V-6FF-D8	367040		
8	8	16	8	3	20.5	21.5	26	14.5	10.5	10.7	912V-8FF-D8	367041		
8	10	16	8	3	24	25.5	32	17	14	16.2	912V-8FF-D10	367042		
10	10	12	6	3	24	26	32	17	14	16.8	912V-10FF-D10	367043		

尺寸圖



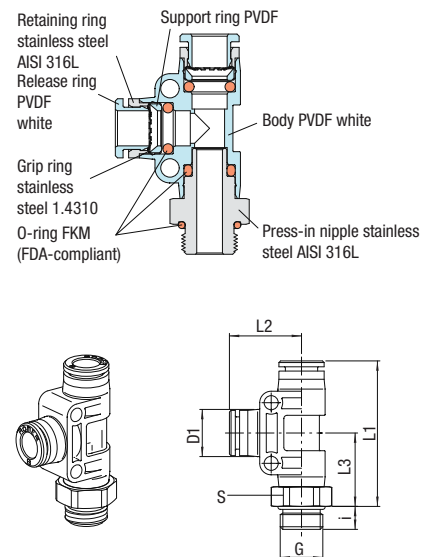
尺寸圖



T-Adapter - Female - Positionable

Product group	12	Max. allow. OP at ambient temp. T _{min} 0°C, T _{max} +60°C			Thread cylindrical		not suitable for rotating or oscill. movement						
for tube OD	G	Max. allow. OP [bar] at medium temp.			i	L2	L3	D1	S	Weight in [g]	Type	Order number	
		20°C	100°C	120°C									
4	G 1/8	16	10	3	6.5	18.5	24.5	12.5	13	19.9	970V-4FF-1/8	367888	
4	G 1/4	16	10	3	9	18.5	27.5	12.5	17	28.3	970V-4FF-1/4	367889	
6	G 1/8	16	10	3	6.5	19	24.5	12.5	13	19.9	970V-6FF-1/8	367890	
6	G 1/4	16	10	3	9	19	27.5	12.5	17	28.3	970V-6FF-1/4	367891	
8	G 1/8	16	8	3	6.5	22	25	14.5	17	29.9	970V-8FF-1/8	367892	
8	G 1/4	16	8	3	9	22	30	14.5	17	32	970V-8FF-1/4	367893	

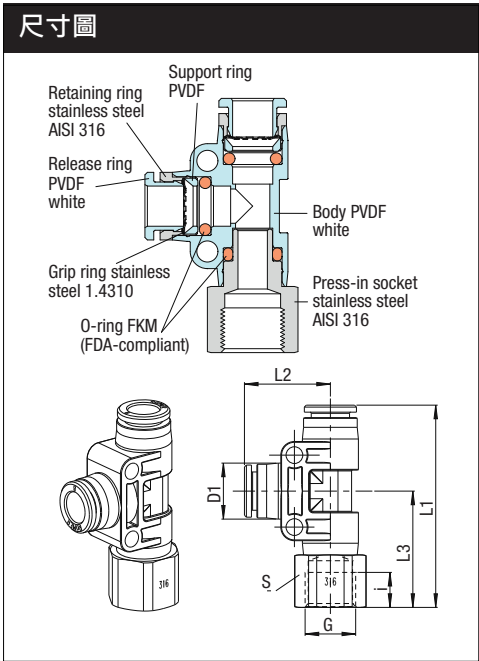
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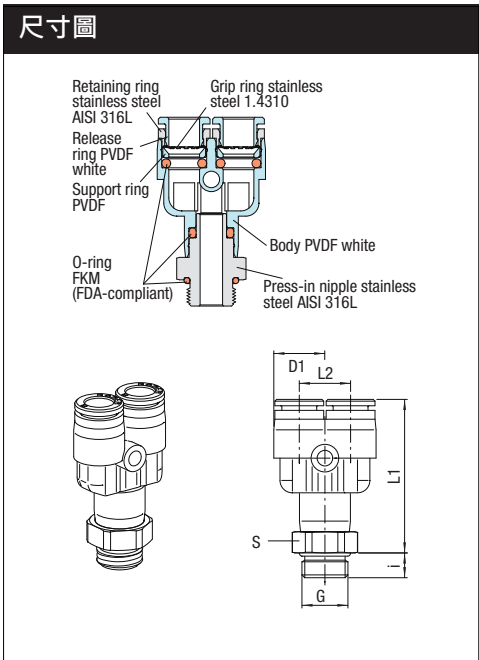
Side T-Adapter - Male - Positionable

Product group		12			Max. allow. OP at ambient temp. T _{min} 0°C, T _{max} +60°C			Thread cylindrical		Thread sealed by a FKM O-Ring in recess			not suitable for rotating or oscill. movement			 NSF		Plastic PVDF	
for tube OD	G	Max. allow. OP [bar] at medium temp.			i	L1	L2	L3	D1	S	Weight in [g]	Type	Order number						
		20°C	100°C	120°C															
4	G 1/8	16	10	3	5	38	18.5	19.5	12.5	13	19.2	922V-4FF-1/8	367406						
4	G 1/4	16	10	3	7	38.5	18.5	20	12.5	17	28.3	922V-4FF-1/4	367407						
6	G 1/8	16	10	3	5	38.5	19	19.5	12.5	13	19.7	922V-6FF-1/8	367412						
6	G 1/4	16	10	3	7	39	19	20	12.5	17	28.4	922V-6FF-1/4	367413						
8	G 1/8	16	8	3	5	44	22	22	14.5	14	23.8	922V-8FF-1/8	367416						
8	G 1/4	16	8	3	7	44.5	22	22.5	14.5	17	31.4	922V-8FF-1/4	367417						
8	G 3/8	16	8	3	8	44.5	22	22.5	14.5	19	39.8	922V-8FF-3/8	367418						
10	G 1/4	12	6	3	7	51.5	26	25.5	17	17	39.8	922V-10FF-1/4	367421						
10	G 3/8	12	6	3	8	51.5	26	25.5	17	19	48.2	922V-10FF-3/8	367422						
12	G 1/4	12	6	3	7	61.5	31	30.5	23	22	66.1	922V-12FF-1/4	367424						
12	G 3/8	12	6	3	8	61.5	31	30.5	23	22	74.1	922V-12FF-3/8	367425						

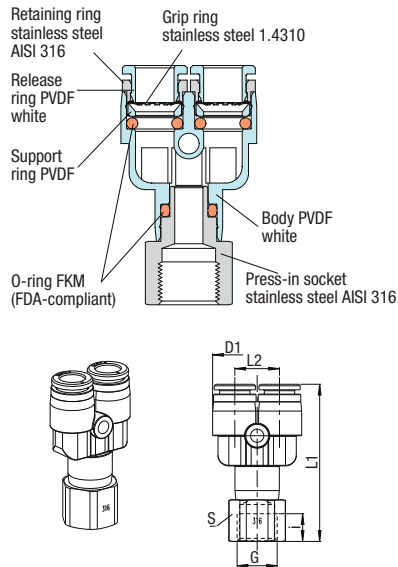
Side T-Adapter - Female - Positionable															
Product group	12	Max. allow. OP at ambient temp. T _{min} 0°C, T _{max} +60°C					Thread cylindrical		not suitable for rotating or oscill. movement					Plastic PVDF	
for tube OD		G	Max. allow. OP [bar] at medium temp.			i	L1	L2	L3	D1	S	Weight in [g]	Type	Order number	
			20°C	100°C	120°C										
4	G 1/8	16	10	3	6.5	43	18.5	24.5	12.5	13	19.9	923V-4FF-1/8	367810		
4	G 1/4	16	10	3	9	46	18.5	27.5	12.5	17	28.3	923V-4FF-1/4	367811		
6	G 1/8	16	10	3	6.5	43.5	19	24.5	12.5	13	19.9	923V-6FF-1/8	367812		
6	G 1/4	16	10	3	9	46.5	19	27.5	12.5	17	28.3	923V-6FF-1/4	367813		
8	G 1/8	16	8	3	6.5	47	22	25	14.5	14	29.9	923V-8FF-1/8	367814		
8	G 1/4	16	8	3	9	52.5	22	30.5	14.5	17	32	923V-8FF-1/4	367815		



Y-Adapter - Male - Positionable														
Product group		12	Max. allow. OP at ambient temp. T _{min} 0°C, T _{max} +60°C				Thread cylindrical		Thread sealed by a FKM O-Ring in recess		not suitable for rotating or oscill. movement			
for tube OD	G		Max. allow. OP [bar] at medium temp.			i	L1	L2	D1	S	Weight in [g]	Type	Order number	
			20°C	100°C	120°C									
4	G 1/8	16	10	3	5	38	12.5	12.5	13	19.2	992V-4FF-1/8	367456		
4	G 1/4	16	10	3	7	38.5	12.5	12.5	17	28	992V-4FF-1/4	367457		
6	G 1/8	16	10	3	5	38.5	12.5	12.5	13	19.6	992V-6FF-1/8	367462		
6	G 1/4	16	10	3	7	39	12.5	12.5	17	28.3	992V-6FF-1/4	367463		
8	G 1/8	16	8	3	5	43	14.5	14.5	14	24.1	992V-8FF-1/8	367466		
8	G 1/4	16	8	3	7	43.5	14.5	14.5	17	31.8	992V-8FF-1/4	367467		
8	G 3/8	16	8	3	8	43.5	14.5	14.5	19	40.2	992V-8FF-3/8	367468		
10	G 1/4	12	6	3	7	49	17	17	17	38.6	992V-10FF-1/4	367471		
10	G 3/8	12	6	3	8	49	17	17	19	47.1	992V-10FF-3/8	367472		
12	G 1/4	12	6	3	7	55	20.5	21	22	65.1	992V-12FF-1/4	367474		
12	G 3/8	12	6	3	8	55	20.5	21	22	74.1	992V-12FF-3/8	367475		



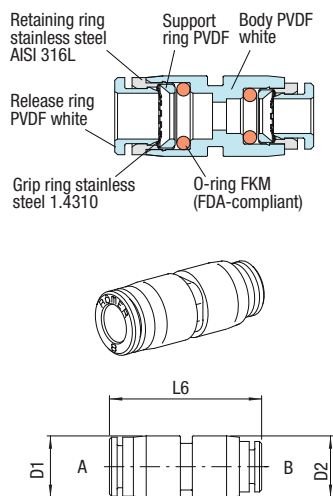
尺寸圖



90° Elbow Adaptor - Female - Positionable

Product group		Max. allow. OP at ambient temp. $T_{min} 0^{\circ}C, T_{max} +60^{\circ}C$			Thread cylindrical		not suitable for rotating or oscill. movement		NSF		Plastic PVDF	
for tube OD	G	Max. allow. OP [bar] at medium temp.			i	L1	L2	D1	S	Weight in [g]	Type	Order number
		20°C	100°C	120°C								
4	G 1/8	16	10	3	6.5	43	12.5	12.5	13	19.9	993V-4FF-1/8	367820
4	G 1/4	16	10	3	9	46	12.5	12.5	17	28.4	993V-4FF-1/4	367821
6	G 1/8	16	10	3	6.5	43.5	12.5	12.5	13	19.7	993V-6FF-1/8	367822
6	G 1/4	16	10	3	9	46.5	12.5	12.5	17	28.1	993V-6FF-1/4	367823
8	G 1/8	16	8	3	6.5	46.5	14.5	14.5	14	30	993V-8FF-1/8	367824
8	G 1/4	16	8	3	9	51.5	14.5	14.5	17	32.1	993V-8FF-1/4	367825

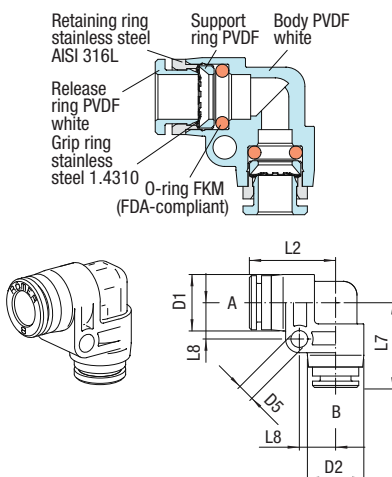
尺寸圖



Straight Adapter

Product group		12			Max. allow. OP at ambient temp. T _{min} 0°C, T _{max} +60°C						Plastic PVDF	
for tube OD	for tube BD	Max. allow. OP [bar] at medium temp.			L6	D1	D2	Weight in [g]	Type	Order number		
		20°C	100°C	120°C								
4	4	16	10	3	30	10.5	10.5	6.2	958V-4FF	367504		
6	4	16	10	3	32	12.5	12.5	6.4	958V-6-4FF	367508		
6	6	16	10	3	32.5	12.5	12.5	6.6	958V-6FF	367510		
8	6	16	8	3	36	14.5	14.5	8.6	958V-8-6FF	367511		
8	8	16	8	3	36	14.5	14.5	8.8	958V-8FF	367512		
10	8	12	6	3	40.5	17	17	13	958V-10-8FF	367514		
10	10	12	6	3	41	17	17	13.5	958V-10FF	367515		
12	10	12	6	3	45	21	21	24.4	958V-12-10FF	367516		
12	12	12	6	3	45	21	21	26.8	958V-12FF	367517		

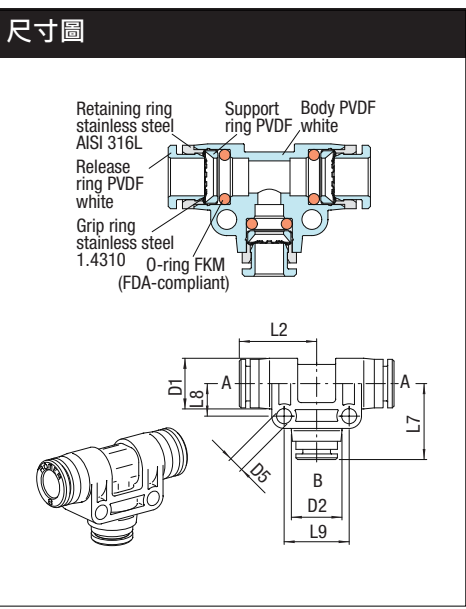
尺寸圖



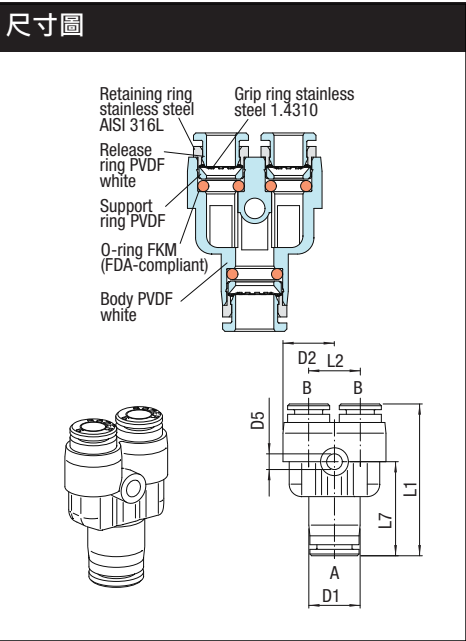
90° Elbow Connector

Product group		12			Max. allow. OP at ambient temp. T _{min} 0°C, T _{max} +60°C									Plastic PVDF	
for tube OD	for tube BD	Max. allow. OP [bar] at medium temp.			L2	L7	L8	D1	D2	D5	Weight in [g]	Type	Order number		
		20°C	100°C	120°C											
4	4	16	10	3	18.5	18.5	8.3	12.5	12.5	4.3	7.3	955V-4FF	367554		
6	4	16	10	3	19	18.5	8.3	12.5	12.5	4.3	7.4	955V-6-4FF	367558		
6	6	16	10	3	19	19	8.3	12.5	12.5	4.3	7.5	955V-6FF	367560		
8	6	16	8	3	22	21.5	9.3	14.5	14.5	4.3	10.2	955V-8-6FF	367561		
8	8	16	8	3	22	22	9.3	14.5	14.5	4.3	10	955V-8FF	367562		
10	6	12	6	3	26	25	12	17	17	4.3	16	955V-10-6FF	367563		
10	8	12	6	3	26	25.5	12	17	17	4.3	19	955V-10-8FF	367564		
10	10	12	6	3	26	26	12	17	17	4.3	16	955V-10FF	367565		
12	12	12	6	3	31	31	12	23	23	4.3	32	955V-12FF	367567		

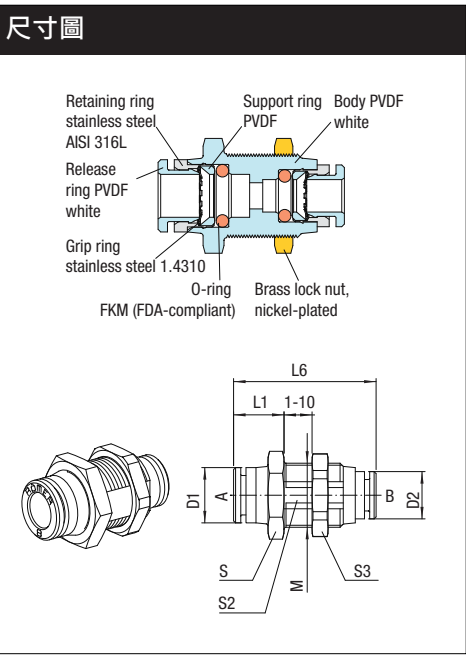
T-Connector														
Product group		12		Max. allow. OP at ambient temp. $T_{min} 0^{\circ}C, T_{max} +60^{\circ}C$										
				NSF										
				Plastic PVDF										
for tube OD	for tube BD	Max. allow. OP [bar] at medium temp.			L2	L7	L8	L9	D1	D2	D5	Weight in [g]	Type	Order number
		20°C	100°C	120°C										
4	4	16	10	3	18.5	18.5	8.3	16.5	12.5	12.5	4.3	10.7	954V-4FF	367604
6	4	16	10	3	19	18.5	8.3	16.5	12.5	12.5	4.3	11.1	954V-6-4FF	367608
6	6	16	10	3	19	19	8.3	16.5	12.5	12.5	4.3	11.2	954V-6FF	367610
8	6	16	8	3	22	21.5	9.3	18.5	14.5	14.5	4.3	15.4	954V-8-6FF	367611
8	8	16	8	3	22	22	9.3	18.5	14.5	14.5	4.3	15.4	954V-8FF	367612
10	6	12	6	3	26	25	12	24	17	17	4.3	24.7	954V-10-6FF	367613
10	8	12	6	3	26	25.5	12	24	17	17	4.3	24.7	954V-10-8FF	367614
10	10	12	6	3	26	26	12	24	17	17	4.3	25.1	954V-10FF	367615
12	12	12	6	3	31	31	12	24	23	23	4.3	o. r.	954V-12FF	367617



Y-Connector														
Product group		12		Max. allow. OP at ambient temp. $T_{min} 0^{\circ}C, T_{max} +60^{\circ}C$										
				NSF										
				Plastic PVDF										
for tube OD	for tube BD	Max. allow. OP [bar] at medium temp.			L1	L2	L7	D1	D2	D5	Weight in [g]	Type	Order number	
		20°C	100°C	120°C										
4	4	16	10	3	37	12.5	22.5	12.5	12.5	3.3	10.8	982V-4FF	367654	
6	4	16	10	3	37.5	12.5	23	12.5	12.5	3.3	11	982V-6-4FF	367658	
6	6	16	10	3	38	12.5	23	12.5	12.5	3.3	11.2	982V-6FF	367660	
8	6	16	8	3	43	14.5	26.5	14.5	14.5	4.3	16	982V-8-6FF	367661	
8	8	16	8	3	43	14.5	26.5	14.5	14.5	4.3	16.9	982V-8FF	367662	
10	8	12	6	3	48.5	17	31	17	17	4.3	23.1	982V-10-8FF	367664	
10	10	12	6	3	49	17	31	17	17	4.3	24.4	982V-10FF	367665	
12	12	12	6	3	55.5	20.5	35.5	21	21	4.3	38	982V-12FF	367667	



Straight Bulkhead Connector																	
Product group		12	Max. allow. OP at ambient temp. T _{min} 0°C, T _{max} +60°C											Plastic PVDF			
for tube OD	for tube BD		Max. allow. OP [bar] at medium temp.			M	L1	L6	D1	D2	S	S2				S3	Weight in [g]
			20°C	100°C	120°C												
4	4	16	10	3	M14x1	10.5	31.5	9.5	9.5	17	12.5	17	10	959V-4FF	367704		
6	4	16	10	3	M14x1	11	32	11.5	9.5	17	12.5	17	10	959V-6-4FF	367708		
6	6	16	10	3	M14x1	11	32.5	11.5	11.5	17	12.5	17	10.4	959V-6FF	367710		
8	6	16	8	3	M16x1	12.5	36	14	11.5	19	14.5	19	13.6	959V-8-6FF	367711		
8	8	16	8	3	M16x1	12.5	36	14	14	19	14.5	19	13.6	959V-8FF	367712		
10	8	12	6	3	M20x1	14	40.5	16.5	14	22	18	24*	22.6	959V-10-8FF	367714		
10	10	12	6	3	M20x1	14	41	16.5	16.5	22	18	24*	23	959V-10FF	367715		



* S24 = Octagon