





General Information

The weld fittings offer high integrity mechanical connections for positive pressure in ultra high purity systems. The weld fittings also provide compact designs for use with orbital weld equipment. The stainless steel weld fittings feature unique machining and surface enhancement to prevent outgassing and inhibit corrosion.

Features

- * Compact design.
- * Accommodates tubing systems requiring miniaturization.
- * Allow close component spacing.

Ultra-High-Purity

Weld fittings are available with controlled surface finishes, electropolished and specially cleaned to meet Ultra-High-Purity system requirements.

Material

316L, 316L VAR and 316L VIM/VAR stainless steel are available. 316L stainless steel is standard material, when ordering other material, please replace **SL** with **SLV** or **SLVV**.

Material	Designator
316L stainless steel	SL
316L VAR stainless steel	SLV
316L VIM/VAR stainless steel	SLVV

Ordering information

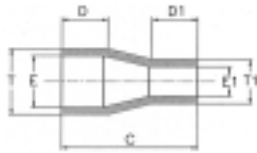
To order EP fittings, use the following Designator code as a suffix to the Ordering Number. Example: SLV-MRU-4-2**P**

Surface Finish Grade	Designator	Surface Finish (Ra)
BA	-	10 μin. (0.25 μm)
EP	P	5 μin. (0.13 μm)

Technical Data

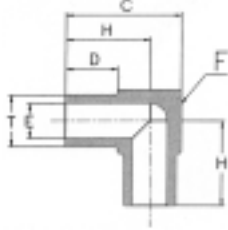
Size	Pressure Rating		Nominal Wall Thickness
	psig	bar	
1/8 in.	8500	580	0.028 in.
1/4 in.	5100	350	0.035 in.
3/8 in.	3300	220	0.035 in.
1/2 in.	3500	240	0.049 in.

Reducing Union



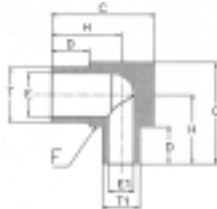
T Tube OD	T1 Tube OD	Ordering Number	C	D	D1	E	E1	Pressure Rating (psig)
1/4	1/8	SL-MRU-4-2	0.75	0.41	0.25	0.18	0.07	5100
3/8	1/4	SL-MRU-6-4	0.75	0.41	0.25	0.31	0.18	3300
1/2	1/4	SL-MRU-8-4	0.75	0.41	0.25	0.40	0.18	3700
1/2	3/8	SL-MRU-8-6	0.75	0.41	0.25	0.40	0.31	3300

90° Union Elbow



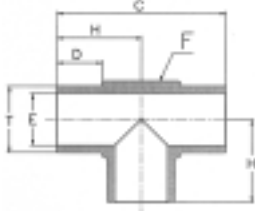
T Tube OD	Ordering Number	C	D	E	F Body Cube	H	Pressure Rating (psig)
1/4	SL-MUE-4	0.56	0.25	0.18	5/16	0.41	5100
3/8	SL-MUE-6	0.69	0.25	0.31	7/16	0.47	3300
1/2	SL-MUE-8	0.81	0.25	0.40	9/16	0.53	3700

Reducing Elbow



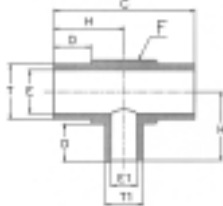
T Tube OD	T1 Tube OD	Ordering Number	C	D	E	E1	F Body Cube	H	Pressure Rating (psig)
3/8	1/4	SL-MRE-6-4	0.69	0.25	0.31	0.18	7/16	0.47	3300
1/2	1/4	SL-MRE-8-4	0.81	0.25	0.40	0.18	9/16	0.53	3700
1/2	3/8	SL-MRE-8-6	0.81	0.25	0.40	0.31	9/16	0.53	3300

Union Tee



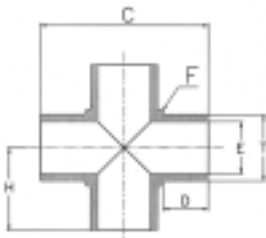
T Tube OD	Ordering Number	C	D	E	F Body Cube	H	Pressure Rating (psig)
1/4	SL-MUT-4	0.82	0.25	0.18	5/16	0.41	5100
3/8	SL-MUT-6	0.94	0.25	0.31	7/16	0.47	3300
1/2	SL-MUT-8	1.06	0.25	0.40	9/16	0.53	3700

Reducing Tee



T Tube OD	T1 Tube OD	Ordering Number	C	D	E	E1	F Body Cube	H	Pressure Rating (psig)
3/8	1/4	SL-MRT-6-4	0.94	0.25	0.31	0.18	7/16	0.47	3300
1/2	1/4	SL-MRT-8-4	1.06	0.25	0.40	0.18	9/16	0.53	3700
1/2	3/8	SL-MRT-8-6	1.06	0.25	0.40	0.31	9/16	0.53	3300

Union Cross



T Tube OD	Ordering Number	C	D	E	F Body Cube	H	Pressure Rating (psig)
1/4	SL-MUC-4	0.82	0.25	0.18	5/16	0.41	5100
3/8	SL-MUC-6	0.94	0.25	0.31	7/16	0.47	3300
1/2	SL-MUC-8	1.06	0.25	0.40	9/16	0.53	3700



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