

Vacuum Bellows

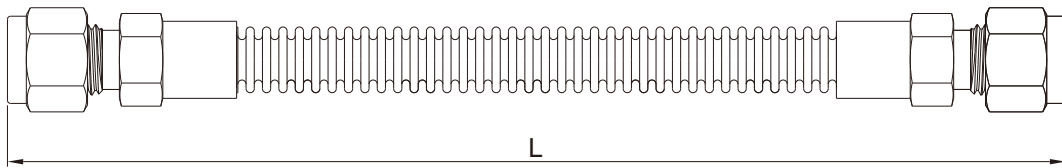
VT1 Series



- ❖ Convoluted stainless steel tubing
- ❖ Working Temperature from 70°F to 1000°F (20°C to 537°C)
- ❖ Pressure Rating:
 - 1/4 in. outside diameter tube—ultrahigh vacuum (10^{-9} torr) to 100 psig (6.8 bar)
 - 3/8 through 1 1/2 in. outside diameter tube—ultrahighvacuum (10^{-9} torr) to 25 psig (1.7 bar)
- ❖ Hose sizes from 1/4 to 1 1/2 in
- ❖ Standard and custom-length assemblies

Features

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Hose Technical Data

Nominal Tubing Size	Inside Diameter	Outside Diameter	Temperature Range	Working Pressure 10^{-9} torr to ...	Nominal Tubing Wall Thickness Size
in. (mm)	in. (mm)	in. (mm)	°F(°C)	psig (bar)	in. (mm)
1/4 (6.4)	0.25 (6.4)	0.38 (9.5)	70 to 1000 (20 to 537)	100 (6.8)	0.006 (0.15)
3/8 (9.5)	0.38 (9.5)	0.58 (14.7)		300 (20.6)	
1/2 (12.7)	0.50 (12.7)	0.71 (17.9)			
3/4 (19.0)	0.75 (19.0)	1.08 (27.4)			
1 (25.4)	1.00 (25.4)	1.36 (34.5)			
1 1/2 (38.1)	1.50 (38.1)	1.92 (48.7)			

How to Order

VT1 — 4 — GFS4 — FGSF4 — F36 — 316

Hose Series	Nominal Hose Size	End Connection 1 Type	End Connection 1 Size	End Connection 2 Type and Size	Overall Length	Material
VT1	4 1/4"	FNPT Female NPT	2 1/8 in.	Same as port 1 type and port 1 size	F** ** in M** ** mm	316 316 S.S.
	6 3/8"	NPT Male NPT	4 1/4 in.			
	8 1/2"	FBT Female BSPT	6 3/8 in. or 6 mm	If port 2 and port 1 are the same, eliminate the port 2 designator		
	12 3/4"	MBT Male BSPT	8 1/2 in. or 8 mm			
	16 1"	F Fractional Tube Fitting	10 5/8 in. or 10 mm			
	24 1 1/2"	M Metric Tube Fitting	12 3/4 in. or 12 mm			
		FT Fractional Tube Adapter	16 1 in. or 16 mm			
	MT Metric Tube Adapter	24 1 1/2 in.				
	FGFS Female GFS Metal					
	RGFS Rotatable Male GFS Metal					
	GFS Male GFS Metal					