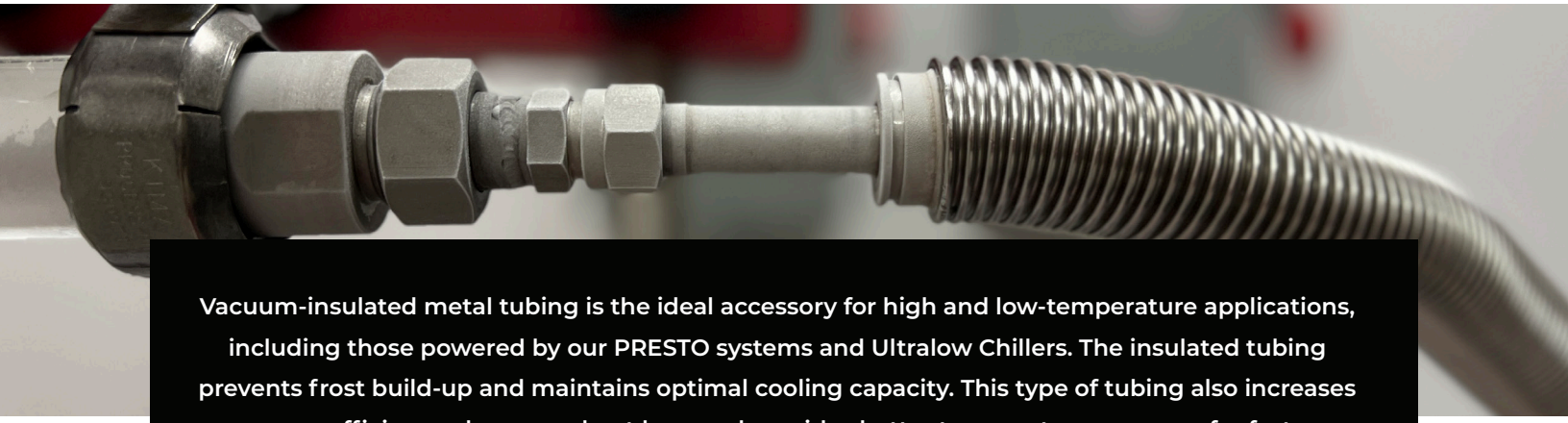
Vacuum-Insulated Metal Tubing

Temperature range: -100°C ... +400°C

Julabo.us
TEMPERATURE CONTROL



Vacuum-insulated metal tubing is the ideal accessory for high and low-temperature applications, including those powered by our PRESTO systems and Ultralow Chillers. The insulated tubing prevents frost build-up and maintains optimal cooling capacity. This type of tubing also increases energy efficiency, decreases heat loss, and provides better temperature accuracy for faster processing. The flexible tubing makes connecting the application to the temperature control unit easy and hassle-free. Custom lengths and fittings are available upon request.

FEATURES & BENEFITS

- Engineered for cryogenic to high-temperature applications
- Cleanroom-compatible materials (316L SS)
- Low spring back reduces stress on connections and joints
- Improves thermal energy efficiency
- Maintains a safer external surface temperature
- Minimizes heat loss and conserves thermal energy
- Reduces condensation and moisture leaks
- Includes one year warranty from ship date

LENGTH	PART NUMBER			
m	M16X1	M24X1.5	M30X1.5	M38X1.5
0.5	8891801	N/A	N/A	N/A
1	8891802	8891806	8891810	N/A
1.5	8891803	8891807	8891811	8891815
2	8891804	8891808	8891812	8891816
3	8891805	8891809	8891813	8891817
5	8891886	8891887	8891814	8891818

TUBING CONNECTION	TUBING ID	TUBING OD	MAX PRESSURE 20°C	MIN BEND RADIUS	FITTING WRENCH SIZES	TORQUE SPECS
M16X1 FEMALE	1/2" | 12.7mm	1 1/4" | 32.3mm	72 PSI | 5 bar	3.33" | 8.5cm	19mm wrench	torque to 3 Nm
M24X1.5 FEMALE	1/2" | 12.7mm	1 1/4" | 32.3mm	72 PSI | 5 bar	3.33" | 8.5cm	27mm wrench	torque to 20 Nm
M30X1.5 FEMALE	3/4" | 19mm	1.6" | 41mm	125 PSI | 8.6 bar	4" | 10.2cm	36mm wrench	torque to 80 Nm
M38X1.5 FEMALE	1" | 25.4mm	2" | 50mm	125 PSI | 8.6 bar	4" | 10.2cm	46mm wrench	torque to 80 Nm

PRO TIP

The fittings and end of the tubing will become hot at high temperatures and cold at low temperatures. Prolonged operations at cold temperatures will result in ice formation on the fittings and end of the tubing. Using protection sleeves (8970750) reduces ice formation at low temperatures and eliminates a contact safety hazard at high temperatures.