

Single Insulated Metal Tubing Specifications

Enhance the Reliability of Your Temperature Control Applications with Single Insulated Metal Tubing

Upgrade your temperature control setup with single insulated metal tubing for JULABO units with M16x1 fittings. Unlike rubber, it resists kinking and bursting, and it offers superior thermal integrity. Designed for a leak-proof seal (-50 °C to +200 °C), it features durable corrugated stainless steel with silicone insulation for reliable performance.

Temperature Range: -50 °C ... +200 °C

Part Number	Length	Female (fitting)
8930220	0.5	M16x1
8930221	1	M16x1
8930222	1.5	M16x1
8930223	3	M16x1
8930224	2	M16x1

Tubing Connection	Tubing ID	Tubing OD	Max Pressure	Minimum Bend Radius
M16x1 female	0.39" 10 mm	Ends (35 mm) Sleeve (30 mm)	87 PSI 6 bar (20 °C)	7.5" 19 cm
			66.7 PSI 4.6 bar (200 °C)	

Notes: During the first operating hours, unpleasant odors may appear particularly at high working temperatures.

Tubing consists of a 316SS corrugated tubing shrouded in silicone insulation.

Prolonged operation at sub-ambient conditions will result in condensation and/or ice formation on the outside of the tubing. This is normal. During high temperature operation, the external surface of the insulation can become hot. Handle with caution using proper PPE.

Contact Our Sales Team

For more information about our single and triple insulated metal tubing options or assistance in selecting the best fit for your JULABO equipment, contact our sales team. They're ready to help with your specifications and ensure you find the perfect solution.

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Triple Insulated Metal Tubing Specifications

Optimize Performance and Ensure Safety with Triple Insulated Metal Tubing

Minimize heat loss and enhance safety with triple insulated metal tubing for JULABO TCUs. Operating from -100 °C to +350 °C, it features durable stainless steel corrugated piping with triple insulation. Available in metric thread sizes (M16x1, M24x1.5, M30x1.5, M38x1.5), it connects directly to JULABO pump fittings, ensuring optimal performance and protection from contact hazards.

Temperature Range: -100 °C ... 350 °C

Part Number				Length
M16x1.0 mm	M24x1.5 mm	M30x1.5 mm	M38x1.5 mm	m
8930209	—	—	—	0.5
8930210	8930261	8930271	—	1.0
8930211	8930262	8930272	8930282	1.5
8930216	8930263	8930273	8930283	2.0
8930214	8930264	8930274	8930284	3.0
—	—	8930275	8930285	5.0

Pressure Maximum at 20 °C // at 350 °C

Bar	Bar	Bar	Bar	Bar
6.0 // 3.8	6.0 // 4.0	15.0 // 10.0	15.0 // 10.0	—

Minimum Bending Radius [mm]

190	220	220	300	—
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Tubing Connection	Inside Diameter	Outside Diameter
M16x1	10 mm	48 mm
M24x1.5	12 mm	48 mm
M30x1.5	20 mm	70 mm
M38x1.5	25 mm	70 mm

Fitting Wrench Sizes & Torque Specifications:

M16 x 1 = 19mm wrench.....Torque to 3 Nm

M24x1.5 = 27mm wrench.....Torque to 20 Nm

M30x1.5 = 36mm wrench.....Torque to 80 Nm

M38x1.5 = 46mm wrench.....Torque to 80 Nm