

Tube Series



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Tube Series

Coming in a wide variety of sizes and color, PISCO supplies tube with related devices to all applications of pneumatic pipings.

Classification Index



Product Name	Fluid admitted	Service pressure range	Working vacuum	Service temperature range	Page
Polyurethane tube	Compressed air	0~102psi (0~0.7MPa)	-29.5in. Hg (-100kpa)	5~140°F (-15~60°C) (No freezing)	552
Nylon tube	Compressed air	NA : 0~150psi (0~0.9MPa) NB : 0~102psi (0~0.7MPa)	-29.5in. Hg (-100kpa)	5~140°F (-15~60°C) (No freezing)	554
Tube for vacuum application	Compressed air	NC0425, 0640 : 0~44psi (0~0.3MPa) NC0860, 1075, 1290 : 0~29psi (0~0.2MPa)	-29.5in. Hg (-100kpa)	5~140°F (-15~60°C) (No freezing)	556
Fluororesin (PFA) tube	Compressed air Water Corrosive fluid, etc	0~150psi (0~0.9MPa)	—	-85~500°F (65~260°C) (No freezing)	558
Polyamide tube	Compressed air Water Drinking water	Gas : 0~150psi (0~0.9MPa) Liquid : 0~44psi (0~0.3MPa)	-29.5in. Hg (-100kpa)	5~140°F (-15~60°C) (No freezing)	562
Hot Water resistance tube	WA:Compressed air, Water, heat-medium oil WB:compressed air., Water	WA : 0~44psi 0~0.3MPa WB : 0~44psi 0~0.3MPa	—	WA : 32~194°F (0~90°C) WB : 32~210°F (0~99°C)	564
Spatter tube	Compressed air Water Heat-medium oil	0~194°F (0~90°C) : 0~44psi (0~0.3MPa) 0~100°F (0~60°C) : 0~102psi (0~0.7MPa) 100~194°F (60~90°C) : 0~44psi (0~0.3MPa)	—	32~194°F (0~90°C)	566
Autistatic tube	Compressed air	0~71.1psi (0~0.5MPa)	-29.5in. Hg (-100kpa)	5~104°F (-15~40°C) (No freezing)	568
Clean-room ready tube	Compressed air, Water Corrosive fluid, drinking water	Gas : 0~150psi (0~0.9MPa) Liquid : 0~44psi (0~0.3MPa)(SNT only)	-29.5in. Hg (-100kpa)	SFT : -85~500°F (-65~260°C) (No freezing) SNT : 5~140°F (-15~60°C) (No freezing)	570
Flat tube	Compressed air	0~71.1psi (0~0.5MPa)	-29.5in. Hg (-100kpa)	5~140°F (-15~60°C) (No freezing)	572
Coiling tube	Compressed air	UL : 0~102psi (0~0.7MPa) NL : 0~150psi (0~0.9MPa)	-29.5in. Hg (-100kpa)	5~140°F (-15~60°C) (No freezing)	574
Twin coiling tube	Compressed air	0~102psi (0~0.7MPa)	-29.5in. Hg (-100kpa)	5~140°F (-15~60°C) (No freezing)	576
Tube binder	—	Applicable tube dia. φ4 ~ φ12mm	Bound No. 2 Tube ~ 4 Tube	—	580
Insert ring	—	Applicable tube dia. φ4 ~ φ16mm	—	—	582
Tube cut nipper	—	Applicable tube dia. φ4 ~ φ16mm	—	—	584
Tube stripper cutter	—	Applicable tube dia. φ6 ~ φ12mm	—	—	586

Common Safety Instruction for Tube

Be sure to read the following instruction before selecting and using the PISCO devices. Also read the detailed instructions for individual series.

Warning

1. Do not give excessive tension, twist or bending to the Tube. Such forces may cause the crushing, breakage or falling out of the Tube.
2. Protect the Tube against damage from abrasion or twining. Otherwise the Tube may break.
3. Burst pressure decreases as temperature increases. Be sure to understand the working pressure (Chart of burst pressure variation ratio vs. temperature) in this catalogue and apply adequate safety factor.
4. Be sure to use an Insert Ring when the NC Tube or other extremely soft tube is used or when water is passed through the tube. Otherwise the tube may fall out.
5. Never use tubes other than Spatter Tube where the tube is exposed to spatter. Spatter can cause fire.
6. Never use tubes other than Hot Water Resistant Tube where the tube is used with hot water or thermal oil. Otherwise material deterioration may lead to the breakage of the tube.
7. Never use tubes other than Antistatic Tube where the system must be protected from static electricity or charging. Static electricity may cause malfunction and other troubles with the system.

Caution

1. When bending the tube, observe the minimum radius requirement.
2. In piping, provide sufficient lengths of tube in consideration of possible shrinkage.
3. Before connecting a tube to the Quick-Fitting Joint, make certain that the tube end is cut at right angles, the tube is free from flaws and the tube cross section is not elliptical.
4. Note that the effective sectional area changes with tube length. For long piping, be sure to choose a proper effective sectional area for piping by consulting the manual.