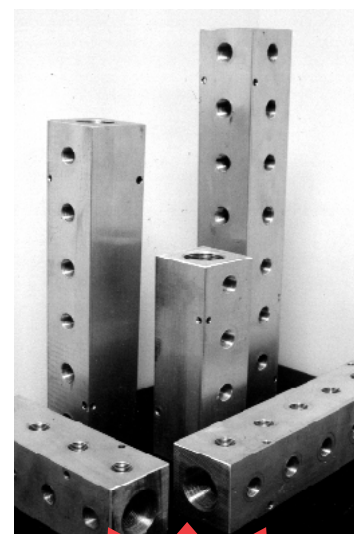


Cooling Products

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Items highlighted in red are NEW items for this catalog!

T-Clips & Spacers

For Hose, Tubing, and Cable

T-Clips provide a quick, adaptable and inexpensive answer to securing, attaching and routing of tubes, wires, hose and pipe.

T-Clips provide an exact uniform spacing to dual runs and can be mounted on walls, cabinets, boards, enclosures and bulkheads. T-Clips are available in a wide range of sizes.

A countersunk centerhole is provided in each T-Clip for the fastener of your choice.



1. Place open sides of T-Clip between tubes.



2. Snap T-Clip onto tubes with a quick quarter turn.



3. T-Clip is ready for mounting with tubes held in uniform spacing.

T-Clip Number	Spacer Number	Fits Hose O.D.		T-Clip Prices			Spacer Prices		
		From	To	1-20	21-99	100+	1-20	21-99	100+
T4	—	5/32	1/4	\$0.28	\$0.27	\$0.26	—	—	—
T6	—	1/4	5/16	\$0.36	\$0.34	\$0.32	—	—	—
T8	D8	5/16	3/8	\$0.37	\$0.35	\$0.33	\$0.11	\$0.10	\$0.09
T10	D10	3/8	1/2	\$0.38	\$0.36	\$0.34	\$0.19	\$0.17	\$0.15
T12	D12	1/2	5/8	\$0.44	\$0.42	\$0.40	\$0.22	\$0.20	\$0.18
T15	D15	5/8	3/4	\$0.64	\$0.63	\$0.61	\$0.22	\$0.20	\$0.18
T18	D18	3/4	7/8	\$0.76	\$0.72	\$0.70	\$0.24	\$0.22	\$0.20
T22	D22	7/8	1"	\$1.05	\$1.00	\$0.98	\$0.26	\$0.24	\$0.21

Heli-Tube® Hose & Wire Wrap

Heli-Tube®

Spirally Cut Wrap

- Protects hose from abrasion
- Can be applied with hose in place
- U.V. resistant
- Low cost, great value!

Specifications:

- Temperature range: -105°F to +215°F
- Abrasion Resistance - M6 loss per M cycles: 20
- Di-Electric constant T-D-50: 2.6
- Tensile strength @ 73°F-D-412-51T PSI: 1800
- Specific gravity - D792-50: 0.93
- Material: Polyethylene

Better quality than the competitor's product!



Part Number	Size Range Dia.*	Nom. O.D.	Wall	Spool Length	Spool Price
HT18C	1/16 to 1/2"	1/8"	.032	100'	\$19.82
HT316C	1/4 to 1"	3/16"	.031	100'	\$26.57
HT14C2	3/16 to 2"	1/4"	.035	100'	\$28.31
HT38C	5/16 to 3"	3/8"	.052	100'	\$46.38
HT12C2	3/8 to 4"	1/2"	.062	100'	\$59.48
HT34C	3/4 to 5"	3/4"	.065	100'	\$95.33
HT1C	1 to 7"	1"	.095	100'	\$174.61

*Sizes are tight- Order larger than actual size you need

Heat Transfer Fluid



Therminol XP heat transfer fluid is an extremely pure white mineral oil which provides reliable heat transfer 0° to 600°F. Performance features of Therminol XP include:

- **Low Fouling** - The purity of Therminol XP minimizes fouling as a result of oxidation and degradation of the fluid, provided proper attention is given to system design and operation within the maximum bulk and film temperatures specified.
- **Practically Non-Toxic** - As an indicator of purity, Therminol XP meets FDA specifications defined in 21 CFR 172.878 and requirements of United States Pharmacopeia (USP) and National Formulary (NF).
- **Thermal Stability** - Therminol XP is stable to 600°. Users can expect many years of reliable, trouble free operation, even when operating continuously at the recommended maximum temperature of 600°

- **Environmentally Friendly** - Therminol XP has outstanding regulatory status for those seeking heat transfer fluids which have minimum environmental reporting requirements.

Therminol XP is used in a wide variety of industries, such as:

- Plastic Molding Equipment
- Pharmaceuticals
- Specialty Chemicals
- Laundries



55 Gallon Drum



5 Gallon Pail

Appearance	Colorless, odorless liquid	
Composition	White mineral oil, USP/NF	
Flash Point (ASTM D-92)	182° C (360° F)	
Fire Point (ASTM D-92)	196° C (385° F)	
Autoignition Temperature (ASTM D-2155)	324°C (615° F)	
Kinematic Viscosity , at 40° C	23.7 mm ² /s (cSt)	
at 100° C	4.06 mm ² /s (cSt)	
Density at 25° C	875 kg/m ³ (7.30 lb/gal)	
Specific Gravity (60° F/60°F)	0.882	
Coefficient of Thermal Expansion at 200° C	0.000892/°C (0.000495/° F)	
Average Molecular Weight	350	
Pour Point	-29° C (-20° F)	
Pumpability , at 2000 mm ² /s (cSt)	-20° C (-4° F)	
at 300 mm ² /s (cSt)	-1° C (30° F)	
Minimum Temperatures for		
Fully Developed Turbulent Flow (Re = 10000)		
10 ft/sec, 1-in tube	72° C (162° F)	
20 ft/sec, 1-in tube	51° C (123° F)	
Transition Region Flow (Re = 2000)		
10 ft/sec, 1-in tube	30° C (85° F)	
20 ft/sec, 1-in tube	17° C (63° F)	
Boiling Range ,	10%	332° C (630° F)
	90%	416° C (780° F)
Normal Boiling Point	358° C (676° F)	
Heat of Vaporization at Maximum		
Use Temperature 315°C	214 kJ/kg (91.9 Btu/lb)	
Optimum Use Range	-20° C to 315° C (0°F to 600° F)	
Maximum Film Temperature	330° C (625° F)	
Pseudocritical Temperature	542°C (1007° F)	
Pseudocritical Pressure	15.2 bar (220 psia)	
Pseudocritical Density	280 kg/m ³ (17.5 lb/ft ³)	
Vapor Pressure, psia @		
200° F	0.0005	
300° F	0.003	
400° F	0.147	
500° F	0.967	
600° F	4.72	

Therminol XP™

Part Number	Container Size	Price/Container	
		1-5	6+
HTFXP5	5 Gallon	\$103.00	\$90.00
HTFXP55	55 Gallon	\$1,133.00	\$1,057.00

Shipping Weight: 5 Gallon/41 Lbs, 55 Gallon/465 Lbs

featuring the best of: