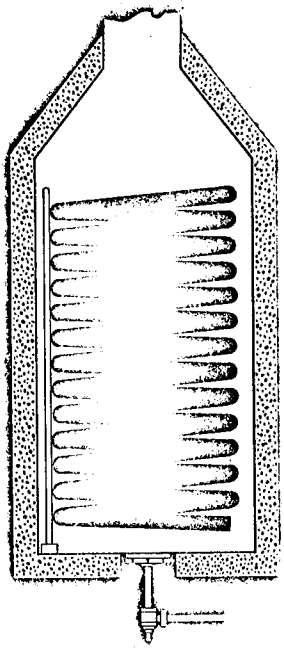
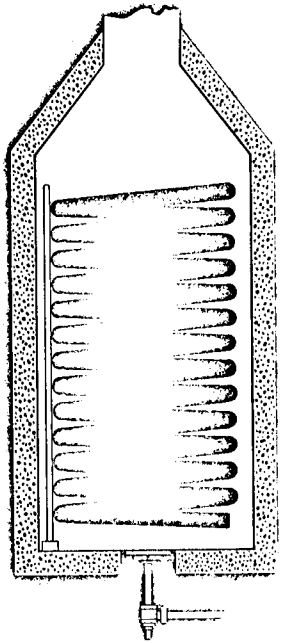
January, Chemical Processing

Introducing two new heat transfer fluids from Monsanto:

Therminol 66



Therminol FR Lo-Temp



Now you get even greater high and low range capabilities!

Therminol FR Lo-Temp. Our newest fire resistant fluid. Gives you a low-cost, liquid phase indirect heat transfer system with extremely good low-temperature pumpability and sub-zero mobility to −40°F. Yet it can be operated up to 400°F, is ideal for space heating and cooling.

Therminol 66. Our most versatile and efficient fluid meets your needs for higher processing temperatures at low cost. Operating between 15°F and 650°F without pressure, its heat transfer properties are 10% better than other fluids in this range. Its −15°F to −18°F pour point permits start-up at fluid temperatures as low as 15°F.

For properties of all seven Therminol fluids, turn the page.

Monsanto

0509151

TOWOLDMON0048089
WATER_PCB-00035308

You can choose from seven Therminol® fluids with a combined operating range from -40°F. to more than 700°F. No pressurization needed!

Monsanto

All Therminol fluids work without pressure over the entire operating range. You save on construction, expensive monitoring and safety devices needed in high-pressure systems. With Therminol, you're assured of uniform, safe and economical flows to single or multi-users.

You can get two big jobs done at once by delivering high heat for processing or moderate heat for space heating lines.

Because these fluids are noncorrosive, nonvolatile, thermally stable and chemically inert, properly maintained equipment can operate for years with no make-up.

Therminol fire resistant (FR) fluids are the only heat transfer fluids listed by Underwriters' Laboratories and recognized by the FIA and FMA.

Call on our engineers for prompt, complete advice and technical service where you have a heat transfer problem. Circle the reader service card for more information. *Detach this chart and keep it for your permanent reference.*

(See our exhibit 4336 at the 31st Exposition of Chemical Industries, New York Coliseum, November 27-December 1.)

Fluid	Recommended Use Range (-0 100 200 300 400 500 600 700)	Pour Point	Vapor Pressure at Max. Recom. Temp.	Fire Resistance U.L. Listed
Therminol® FR Lo-Temp		-60°F	300 mm Hg	yes
Therminol FR-0		-15°F	315 mm Hg	yes
Therminol FR-1		2°F	550 mm Hg	yes
Therminol FR-2		19°F	340 mm Hg	yes
Therminol FR-3		50°F	225 mm Hg	yes
Therminol 66		-15° to -18°F	525 mm Hg	no -- C.O.C. flash point 350°F
Therminol 77		45°F	168 mm Hg	no -- C.O.C. flash point 460°F

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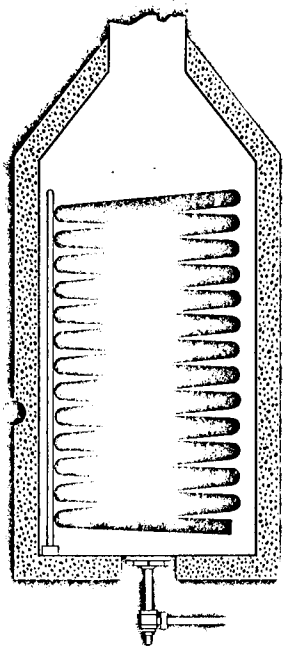

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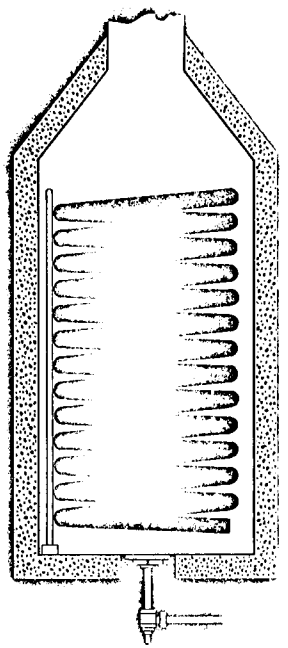

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Therminol 66. Our most versatile and efficient fluid meets your needs for higher processing temperatures at low cost. Operating between 15°F and 650°F without pressure, its heat transfer properties are 10% better than other fluids in this range. Its −16°F to −18°F pour point permits start-up at fluid temperatures as low as 15°F.

For properties of all seven Therminol fluids, turn the page.

Monsanto

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TOWOLDMON0048091
WATER_PCB-00035310

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Monsanto

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Therminol FR-3		50°F	225 mm Hg	yes
Therminol 66		-15° to -18°F	525 mm Hg	no – C.O.C. flash point 350°F
Therminol 77		45°F	168 mm Hg	no – C.O.C. flash point 460°F

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