THERMINOL®
Monsanto
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GASKETS AND PACKING FOR THERMINOL HEAT TRANSFER FLUIDS

Gaskets

Recommended flange gasketing for high temperature heat transfer fluid systems should be spiral-wound type conforming to API specification 601 (see piping specifications). Standard materials for spiral wound flange gaskets are Type 304 stainless steel and asbestos.

Important to non-leak performance with spiral wound gaskets is the use of raised-face flanges, alloy steel bolting and even compression of gasket during bolt pull up.

An acceptable alternate for many applications is a pure graphite gasket from Union Carbide, called Grafoil.

Generally, sheet asbestos gasketing with various binders is unacceptable for Therminol fluid applications because of temperature limitations or incompatibility of binder with Therminol fluids.

Ring joint flanging is not required for Therminol fluids unless frequent disassembly is necessary, thus justifying the added cost of this type flange joint.

Listed below are several manufacturers of spiral-wound gaskets:

Company	Gasket
Flexitallic Gasket Company Box 680 Point & Linden Streets Camden, N. J. 08101	Styles CG or CGP
Garlock, Inc. 402 Main St. Palmyra, N. Y. 14522	Type CR Guardian, Style 555

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TOWOLDMON0032697
WATER_PCB-00017166

See Carter Akron Gasket Packing Co silcone-?
Dave Roy — 633-3742

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Johns-Manville
22 East 40th St.
New York, N. Y. 10016

Has Viton A - rec. for therminol

Style 913

1/2 In beads
1/2 flat on sheets (D)

Viton A

gasket Material

Melrath Supply & Gasket Co. Inc.
3500 Aramingo Ave
Philadelphia, Pa. 19134

Style 50

Sterling Packing & Gasket Co.
8220 Mosley
P.O. Box 264
Houston, Texas 77001

Spiroflex Type GR 240 —

Rec Viton A 1st Choice

Graphite Gaskets Available From:

might ? Silcone 450°C

Union Carbide Corporation
Carbon Products Div.
270 Park Avenue
New York, N. Y. 10017

15 or 30 mil. thick sheet

Packing

Various types of packing are used to seal valve stems and small pump shafts on high temperature Therminol systems. Flexible metal or solid graphite packings give the best service.

Graphite or Teflon impregnated, short fiber asbestos gasketing is used also, but leak-free service is not always achieved at the higher temperatures with this type packing.

Generally, five rings of packing are specified on valve stems to assure a reasonable seal.

The use of metal bellows steam seals on valves is increasing and would, of course, provide absolute leak-free service.

This type seal is more expensive than the conventional flexible stem packing above and our experience at this time is limited.

Listed below are several manufacturers of valve stem and small pump shaft packing for Therminol application. We do not guarantee absolute leak-free service on Therminol by use of these examples; valve maintenance may be required occasionally.