

M-103 to M-106 WRAP SPECIFICATIONS

Thermal Insulation Wrap Technical Specifications

Custom, removable, reusable, flexible, thermal insulation wrap provides a tough, durable exterior that can be custom fitted for nearly any product or accessory. Maxim Thermal wrap is composed of 1” thick, 11 lb. insulation composed of 100% Type “E” fibers, fabricated in a mat form free of asbestos. The wrap is easy to install, and significantly reduces surface temperature.

Custom Designed Flexible, Removable Insulation Blankets

Properties	Specification Range
Temperature Range	- 67° F - 1200° F
Thickness	Standard 1”, available from .5" to 4"
Insulation	High Density - 11 lb./ cu. ft. - 100% select grade Type "E" glass fibers needled together into mat form. It is Non-respirable, incombustible, asbestos free and contains no resinous or inorganic binders.
Inner Liner	304 stainless steel mesh. Stainless steel foil liners are available.
Outer Liner	Grey Silicone impregnated fiberglass cloth for process temperatures up to 1000° F and 304 stainless steel mesh.
Construction	All seams are held together with 304 stainless steel "hog ring" staples.
Attachments	Tie down anchors, lacing hooks and washers are 304 stainless steel
Tags, optional	Stainless Steel
Installation	Thermal blankets are hand formed around work piece and laced with stainless steel 16 gauge lacing wire

Specification Compliance

MIL-1-24244

NRC-136

NFPA 255 & 110

UL 492 (Self Extinguishing)

US Coast Guard Certificate 164.009/94/0

Various inner/outer liners and insulation materials are available depending on application and specification. Our technicians can help make recommendation to meet your requirements or a desired outer surface temperature. Please specify process operating temperature when inquiring.



M-103 to M-104 ACCESSORY WRAP

Tube and Bellows Thermal Wrap

Tubing, Wrap

Tube/Pipe			Tube/Pipe		
Part Number	Size	Application	Part Number	Size	Application
M-103-300-W	3	Tube	M-103-1200-W	12	Tube
M-103-350-W	3.5	Tube & 3" Pipe	M-103-1275-W	12.75	Pipe
M-103-400-W	4	Tube & 3.5" Pipe	M-103-1400-W	14	Pipe
M-103-450-W	4.5	Pipe	M-103-1600-W	16	Pipe
M-103-500-W	5	Tube	M-103-1800-W	18	Pipe
M-103-556-W	5.56	Pipe	M-103-2000-W	20	Pipe
M-103-600-W	6	Tube	M-103-2200-W	22	Pipe
M-103-663-W	6.63	Pipe	M-103-2400-W	24	Pipe
M-103-800-W	8	Tube	M-103-2600-W	26	Pipe
M-103-863-W	8.63	Pipe	M-103-2800-W	28	Pipe
M-103-1000-W	10	Tube	M-103-3000-W	30	Pipe
M-103-1075-W	10.75	Pipe	M-103-3600-W	36	Pipe

Flex, Wrap

Part Number	Size ID	Part Number	Size ID
M-104-F-300-W	3	M-104-F-600-W	6
M-104-F-350-W	3.5	M-104-F-800-W	8
M-104-F-400-W	4	M-104-F-1000-W	10
M-104-F-500-W	5	M-104-F-1200-W	12

Bellows, Wrap

Part Number	Size ID	Part Number	Size ID
M-104-B-300-W	3	M-104-B-1600-W	16
M-104-B-350-W	3.5	M-104-B-1800-W	18
M-104-B-400-W	4	M-104-B-2000-W	20
M-104-B-500-W	5	M-104-B-2200-W	22
M-104-B-600-W	6	M-104-B-2400-W	24
M-104-B-800-W	8	M-104-B-2600-W	26
M-104-B-1000-W	10	M-104-B-2800-W	28
M-104-B-1200-W	12	M-104-B-3000-W	30
M-104-B-1400-W	14	M-104-B-3600-W	36

All dimensions are in inches. Larger sizes available.

M-105 ACCESSORY WRAP

Elbow Thermal Wrap

45° Tube Elbow (Long Radius), Wrap

Part Number	Size	Application	Part Number	Size	Application
M-105-45-300-LR	3	Tube	M-105-45-500-LR	5	Tube
M-105-45-350-LR	3.5	Tube & Pipe	M-105-45-556-LR	5.56	Pipe
M-105-45-400-LR	4	Tube	M-105-45-600-LR	6	Tube
M-105-45-450-LR	4.5	Pipe			

45° Tube Elbow (Short Radius-Tangent Cut), Wrap

Part Number	Size	Application	Part Number	Size	Application
M-105-45-300-SR	3	Tube	M-105-45-663-SR	6.63	Pipe
M-105-45-350-SR	3.5	Tube & Pipe	M-105-45-800-SR	8	Tube
M-105-45-400-SR	4	Tube	M-105-45-863-SR	8.63	Pipe
M-105-45-450-SR	4.5	Pipe	M-105-45-1000-SR	10	Tube
M-105-45-500-SR	5	Tube	M-105-45-1075-SR	10.75	Pipe
M-105-45-556-SR	5.56	Pipe	M-105-45-1200-SR	12	Tube
M-105-45-600-SR	6	Tube	M-105-45-1275-SR	12.75	Pipe

90° Tube Elbow (Long Radius), Wrap

Part Number	Size	Application	Part Number	Size	Application
M-105-300-LR	3	Tube	M-105-500-LR	5	Tube
M-105-350-LR	3.5	Tube & Pipe	M-105-556-LR	5.56	Pipe
M-105-400-LR	4	Tube	M-105-600-LR	6	Tube
M-105-450-LR	4.5	Pipe			

90° Tube Elbow (Short Radius-Tangent Cut), Wrap

Part Number	Size	Application	Part Number	Size	Application
M-105-300-SR	3	Tube	M-105-663-SR	6.63	Pipe
M-105-350-SR	3.5	Tube & Pipe	M-105-800-SR	8	Tube
M-105-400-SR	4	Tube	M-105-863-SR	8.63	Pipe
M-105-450-SR	4.5	Pipe	M-105-1000-SR	10	Tube
M-105-500-SR	5	Tube	M-105-1075-SR	10.75	Pipe
M-105-556-SR	5.56	Pipe	M-105-1200-SR	12	Tube
M-105-600-SR	6	Tube	M-105-1275-SR	12.75	Pipe

All dimensions are in inches. Larger sizes available. All elbow wraps are for tangent cut elbows. Elbow wraps with extended legs, available.



M-105 to M-106 ACCESSORY WRAP

Mitered Elbow and Flange Thermal Wrap

90° Mitered Elbow (Short Radius), Wrap

Part Number	Size	Application	Part Number	Size	Application
M-105-M-800-SR	8	Tube	M-105-M-2000-SR	20	Tube
M-105-M-1000-SR	10	Tube	M-105-M-2200-SR	22	Tube
M-105-M-1200-SR	12	Tube	M-105-M-2400-SR	24	Tube
M-105-M-1400-SR	14	Tube	M-105-M-2600-SR	26	Tube
M-105-M-1600-SR	16	Tube	M-105-M-2800-SR	28	Tube
M-105-M-1800-SR	18	Tube	M-105-M-3000-SR	30	Tube

ANSI Flange, Wrap

Part Number	Nominal Size	Part Number	Nominal Size
M-106-300-W	3	M-106-1800-W	18
M-106-350-W	3.5	M-106-2000-W	20
M-106-400-W	4	M-106-2200-W	22
M-106-500-W	5	M-106-2400-W	24
M-106-600-W	6	M-106-2600-W	26
M-106-800-W	8	M-106-2800-W	28
M-106-1000-W	10	M-106-3000-W	30
M-106-1200-W	12	M-106-3200-W	32
M-106-1400-W	14	M-106-3400-W	34
M-106-1600-W	16	M-106-3600-W	36

Wrap will cover two flanges bolted together

All dimensions are in inches. Larger sizes available. All elbow wraps are for tangent cut elbows. Elbow wraps with extended legs, available.