

Meiflex™ Stainless Stainless Steel Corrugated Pipe

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Meiflex™ from Meibes is a high-quality, stainless steel piping system that is specifically designed for solar thermal applications. It is flexible, lightweight and requires fewer connections than traditional piping making it much easier to install than alternative materials. Meiflex™ piping is produced in coils that are air-tested for leaks and available with or without high temperature, closed-cell, EPDM insulation. When combined with our patented FixLock® fittings, pipes can be joined easily and securely without the need for any tools. Installing a solar system using Meiflex™ piping is by far the most cost effective and reliable method. The time and labor savings in comparison to copper pipe and other materials are substantial. Pipe runs connecting the solar panels to the pump and storage tank can be made without multiple connections or the need to solder fittings. Meiflex™ can be bent easily and routed around obstacles saving time and reducing installation costs. Many contractors and installers have noted a reduction in employee injuries, because installations do not require a torch and there is no need to solder multiple fittings. Additionally, eliminating the additional and unnecessary connections helps improve the overall quality, integrity and performance of the installation. Pre-insulated piping is available in single or twin-pipe versions. Both are equipped with a UV resistant 1/2" (14mm), closed-cell EPDM insulation and protective outer cover. The pre-insulated flow and return pipes of our twin pipe version can be easily separated without damage to the insulation or the protective cover. A durable, high temperature sensor cable contained within the insulation is an available option.



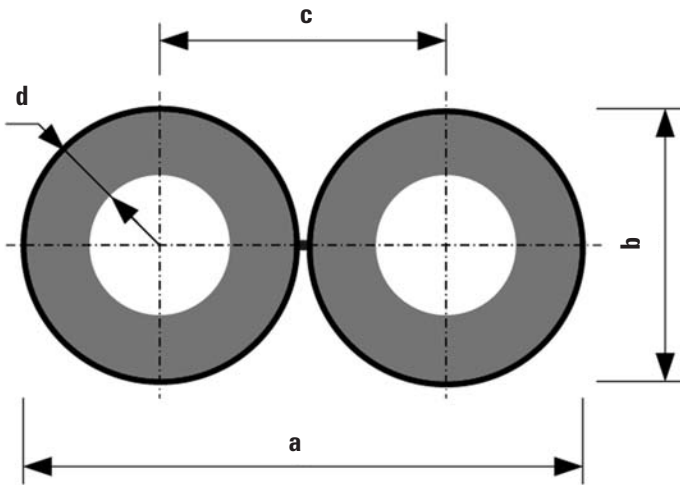
Accessories

Available accessories include our patented FixLock® rapid installation system which ensures system integrity and performance by eliminating assembly errors. Meibes offers a complete range of FixLock® fittings engineered specifically for our Meiflex™ piping system. Oval mounting clamps are also available to easily and fasten our pre-insulated Meiflex™ piping to any wood or masonry surface. Each oval clamp set includes (1) oval clamp, (1) threaded hanger bolt and (1) masonry anchor.



- Manufactured from a high-quality, flexible, corrugated (AISI 316L) stainless steel
- Can be bent easily and routed around obstacles saving time and reducing installation costs
- Pre-insulated piping is provided with UV resistant, 1/2" closed-cell EPDM insulation and a protective outer cover
- Maximum temperature rating of 390°F without insulation and 300°F for pre-insulated piping
- Factory tested to 230 psi with normal operating pressure up to 150 psi
- Approved for use with most solar heat transfer fluids
- 10-Year Limited Warranty

Dimensions



Pipe Size	a	b	c	d
	in (mm)	in (mm)	in (mm)	in (mm)
DN12	3.70 (94)	1.85 (47)	1.85 (47)	0.55 (14)
DN16	4.25 (108)	2.13 (54)	2.13 (54)	0.55 (14)
DN20	4.72 (120)	2.36 (60)	2.36 (60)	0.55 (14)

Meiflex™ Twin Stainless Steel Pipe - Pre-Insulated

(dual-line with integrated sensor cable)

Size	Length(nominal)	Part Number
DN16 (1/2")	33ft (10m)	46123 CSK 10 NA
DN16 (1/2")	49ft (15m)	46123 CSK 15 NA
DN16 (1/2")	65.5ft (20m)	46123 CSK 20 NA
DN20 (3/4")	33ft (10m)	46122 CSK 10 NA
DN20 (3/4")	49ft (15m)	46122 CSK 15 NA
DN20 (3/4")	65.5ft (20m)	46122 CSK 20 NA

Technical Specifications (corrugated pipe without insulation)

Pipe Size	DN12	DN16	DN20	DN25
Outside Diameter	0.65" (16.4mm)	0.84" (21.3mm)	1.04" (26.4mm)	1.25" (31.7mm)
Connection (straight thread)	1/2"	3/4"	1"	1-1/4"
Maximum Sustained Operating Temperature	390°F (200°C) for Meiflex™ Pipe and 300°F (150°C) Pre-insulated			
Minimum Sustained Operating Temperature	-40°F (-40°C)			
Maximum Operating Pressure @ 68°F (20°C)	230psi (16bar)			
Thermal Conductivity of Insulation @ 32°F (0°C)	0.022 Btu/(hr*ft**°F) (0.038 W/(m*K))			
Inside Diameter	0.50" (12.6mm)	0.66" (16.8mm)	0.81" (20.6mm)	1.01" (25.7mm)
Wall Thickness	0.007" (0.18mm)			0.008" (0.20mm)
Fluid Capacity per pipe length	3.16 cu in/ft (0.17 l/m)	5.21 cu in/ft (0.28 l/m)	8.00 cu in/ft (0.43 l/m)	12.1 cu in/ft (0.65 l/m)
Min. Bending Radius	0.8" (20mm)	1.0" (25mm)	1.2" (30mm)	1.4" (35mm)

Meiflex™ Single-Line Stainless Steel Pipe - No Insulation

(shipped without insulation or protective cover)

Size	Length(nominal)	Part Number
DN16 (1/2")	150ft (45.72m)	46123 SW 150 NA
DN20 (3/4")	100ft (30.48m)	46122 SW 100 NA
DN25 (1")	50ft (15.24m)	46121 SW 50 NA

Meiflex™ Single-Line Stainless Steel Pipe - Pre-Insulated

Size	Length(nominal)	Part Number
DN16 (1/2")	33ft (10m)	46123 ECS 10 NA
DN16 (1/2")	49ft (15m)	46124 ECS 15 NA
DN16 (1/2")	65.5ft (20m)	46125 ECS 20 NA
DN20 (3/4")	33ft (10m)	46122 ECS 10 NA
DN20 (3/4")	49ft (15m)	46122 ECS 15 NA
DN20 (3/4")	65.5ft (20m)	46122 ECS 20 NA



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