

Flexible stainless steel insulated piping SolarFlex

NA3500

CALEFFI
SOLAR



Product range

NA3520-15	1/2" SolarFlex pipe 50' coil including (2) double nipples, (4) union nuts, 4 segment rings and 4 washers
NA3540-15	3/4" SolarFlex pipe 50' coil including (2) double nipples, (4) union nuts, 4 segment rings and 4 washers
NA3540-B	3/4" SolarFlex pipe bulk cut to length up to 164 foot. Without connection fittings.
NA3560-15	1" SolarFlex pipe 50' coil including (2) double nipples, (4) union nuts, 4 segment rings and 4 washers

Technical specifications

Materials:

- pipe: two corrugated stainless steel 316L
- insulation: two closed cell elastomer UV resistance EPDM
- outer cover: UV resistant polyolefin copolymer foil

Insulation thickness: 5/8 inch (16mm)

Thermal conductivity: 0.215 BTU-in/hr-ft²-°F (0.031 W/mK)

Thermal resistance: R-4.2

Max. working pressure: 150 psi (10 bar)

Max. fluid temperature: 350°F (175°C)

Min. surface temperature: -60°F (-50°C)

Length per coil: 50 feet (15m)

Fluid capacity per foot: 1/2" - 0.0219 gallons (0.08 liters)

3/4" - 0.0346 gallons (0.13 liters)

1" - 0.0509 gallons (0.19 liters)

Min. bending radius: 5 inch (130mm)

Pressure loss: Approx. 25% more than in a comparable smooth pipe

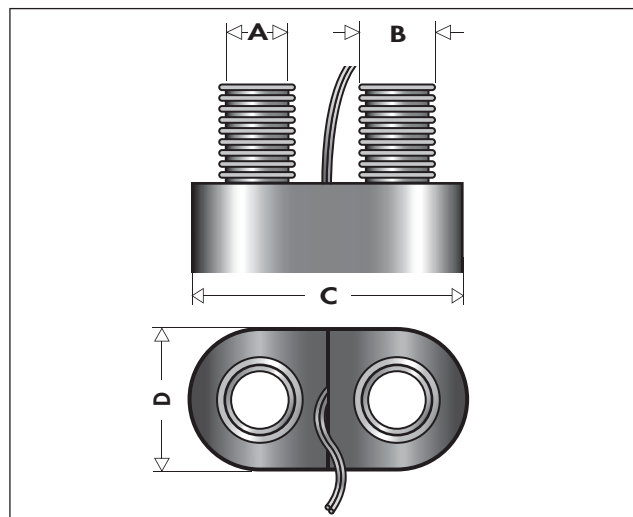
Flammability: Class VO

Flame spread/smoke density: 25/50

Agency approvals: ASTM D 635

ASTM C 177

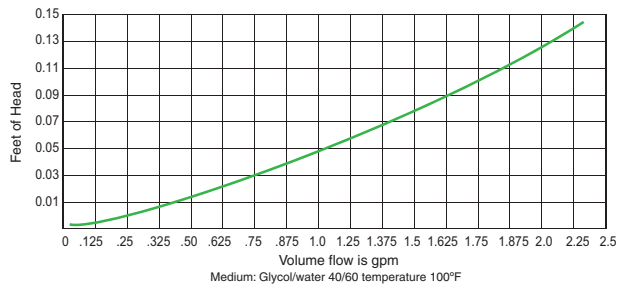
Dimensions



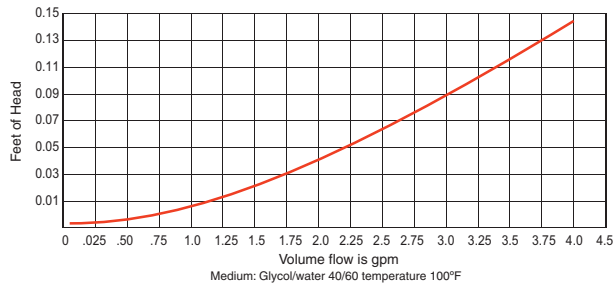
Code	A	B	C	D	Weight (lb/ft)
NA3520-15	1/2"	1 1/16"	4"	2"	0.4
NA3540-15	3/4"	1 5/16"	4 - 3/8"	2 - 1/8"	0.5
NA3560-15	1"	1 - 1/4"	4 - 7/16"	2 - 1/2"	0.7

Hydraulic characteristics

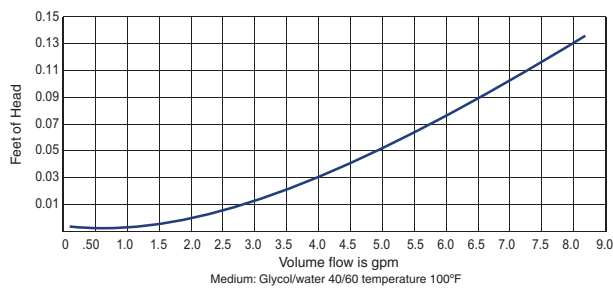
Feet of head curve for 1 foot of 1/2" SolarFlex



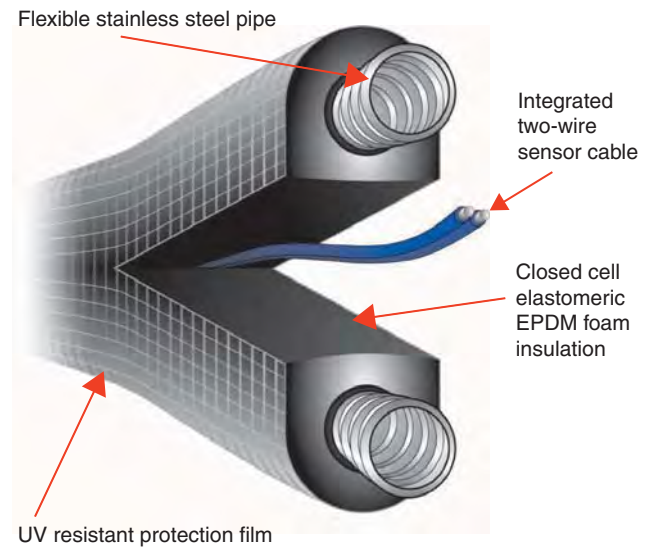
Feet of head curve for 1 foot of 3/4" SolarFlex



Feet of head curve for 1 foot of 1" SolarFlex



Construction details



Flow and return pipes are easy to separate without damaging the insulation or sensor cable.

Item	Code	Description
SolarFlex pipe hangers		
	NA12132	Pipe hangers 1/2" pack of 4 hanger for 1/2" SolarFlex
	NA12133	Pipe hangers 3/4" pack of 4 hangers for 3/4" SolarFlex
	NA12134	Pipe hangers 1" pack of 4 hangers for 1" SolarFlex
SolarFlex extra connection kits		
	NA12102	Connection Kit for 1/2" SolarFlex with 4 nuts, 4 segment rings and 4 flat sealing washers
	NA12103	Connection Kit for 3/4" SolarFlex with 4 nuts, 4 segment rings and 4 flat sealing washers
	NA12104	Connection Kit for 1" SolarFlex with 4 nuts, 4 segment rings and 4 flat sealing washers
SolarFlex insulating tape		
	NA35001	Insulating EPDM foam tape (UV resistant) to wrap exposed piping, 50 ft roll x 2" wide x 1/8" thick
	NA35002	Black film tape (UV resistant) to wrap foam tape, 50 ft roll x 2" wide
	NA35007	Black braid sleeve (UV & Vermin resistant), to protect exposed split piping outside, (2) 4' braid with (1) 30 ft roll x 2" wide black film tape