GROUP 4 - Flexible heating elements

4.6 – Silicone + fibre glass FORMEC-FLEX heating elements

Normal applications

- Heating conduction pipes and tanks, containing heavy fluids such as combustible oils, grease, paint, wax and other chemical products
- Defrosting in chambers: joins, doors, trays, waste pipes, anti-mist, windows, etc.
- Heating of glasses for reactives and distillation equipment.
- Protection against freezing in water conduction pipes and valves
- To prevent formation of condensation and water in connection boards.
- To keep farming land on a small scale at a certain temperature.
- Installations for floor heating in premises designed for housing animals (farms, sheds, etc)
- Heating meshes.

FLEXIBLE SILICONE + FIBRE GLASS HEATING ELEMENTS OF $Ø_{ext}$2.7 mm, RANGE FORMEC-FLEX

General characteristics

- Approximate diameter for all lengths 2.7 mm.
- Flexible sheath composed of a layer of silicone + extra fibre glass layer. The presence of an additional fibre glass layer lends greater mechanical resistance to the element, reducing the risks of the element breaking due to the silicone being knocked or cut.
- General length tolerance: ±1%
- Finished with coppered tubular connector and silicone conductor leads 150mm long
- Maximum temperature of the element: 180 °C.
- Standardised voltage ~230 V
- To order, other lengths, finishes and voltages.

10 W/m Range

Code	Length in mm	W/m	Total watts	Weight in Kg
PPVSFF2	2000	10	20	0,011
PPVSFF2,5	2500	10	25	0,016
PPVSFF3	3000	10	30	0,022
PPVSFF3,5	3500	10	35	0,028
PPVSFF4	4000	10	40	0,034
PPVSFF4,5	4500	10	45	0,040
PPVSFF5	5000	10	50	0,046
PPVSFF5,5	5500	10	55	0,052
PPVSFF6	6000	10	60	0,058
PPVSFF8	8000	10	80	0,064
PPVSFF9	9000	10	90	0,070
PPVSFF10	10000	10	100	0,076
PPVSFF15	15000	10	150	0,12

14 W/m to 17 W/m Ranges

Code	Length in mm	W/m	Total Watts	Weight in Kg
PVSFF1	1000	17	16,5	0,006
PVSFF1,5	1500	15	22,5	0,012
PVSFF2	2000	17	33	0,018
PVSFF2,5	2500	15	37	0,024
PVSFF3	3000	15	46	0,030
PVSFF3,5	3500	14	50	0,036
PVSFF4	4000	14	57,5	0,042
PVSFF4,5	4500	14	64	0,048
PVSFF5	5000	14	71	0,054
PVSFF5,5	5500	14	77	0,060
PVSFF6	6000	15	92	0,066
PVSFF7	7000	15	105	0,078
PVSFF8	8000	15	122	0,090
PVSFF9	9000	16	140	0,10
PVSFF10	10000	17	170	0,11
PVSFF12	12000	15	184	0,13

GROUP 4 - Flexible heating elements

4.7. Fibre glass heating elements

FLEXIBLE FIBRE GLASS HEATING ELEMENTS OF $Ø_{ext}$2.8 mm, GAMA VFF

General characteristics

- Approximate diameter for all lengths 2.8 mm.
- Finished with stainless steel tubular connector and fibre glass and nickel conductor leads 150mm long
- Maximum temperature of the element: 350 °C.
- General length tolerance: ±1%
- Standardised voltage ~230 V.
- To order, other lengths, finishes and voltages.

Code	Length in mm	W/m	Total Watts	Weight in Kg
VFF1	1000	46	46	0,016
VFF1,5	1500	78	117	0,024
PVFF1,5	1500	20	30	0,024
VFF2	2000	44	88	0,032
VFF2,5	2500	144	360	0,040
PVFF2,5	2500	28	70	0,040
VFF3	3000	100	300	0,048
VFF3,5	3500	73	256	0,056
VFF4	4000	56	224	0,064
VFF4,5	4500	44	198	0,072
VFF5	5000	36	180	0,080
VFF5,5	5500	30	165	0,088
VFF6	6000	25	150	0,096

GROUP 4 - Flexible heating elements

4.8 – Flexible heating lead for terrariums

Reptiles are cold blooded animals that depend on the heat of the atmosphere to survive. Each species has its own specific needs, and it is a vital factor for survival of these creatures in captivity. The main objective of regulating the heat of a terrarium is to respond to the needs of the animals which will inhabit it, so we must design the appropriate equipment to satisfy the needs of each animal.

In order to obtain a heat gradient in a terrarium, a hot zone and a cool zone has to be created so that they can adjust their internal temperature depending on their needs by moving from one area to another.

This is achieved by placing thermal cable over a third of the surface of the terrarium.

General characteristics

- Silicone insulation. Approximate diameter for all lengths Ø5 mm.
- Vulcanised cap Ø9x30mm at one end.
- Finished with two-pole connection pin
- Standardised voltage ~230 V.
- To order in other lengths, finishes and voltages.

Code	Dimensions in mm			Volts	Total Watts
	Total length	Heating length	Inactive zone		
CFR001	3260	3330	930	~ 230 V	15
CFR002	4260	4930	930	~ 230 V	25
CFR003	5860	2330	930	~ 230 V	50

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