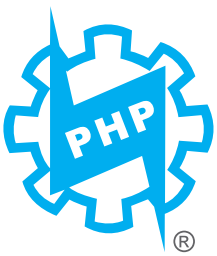
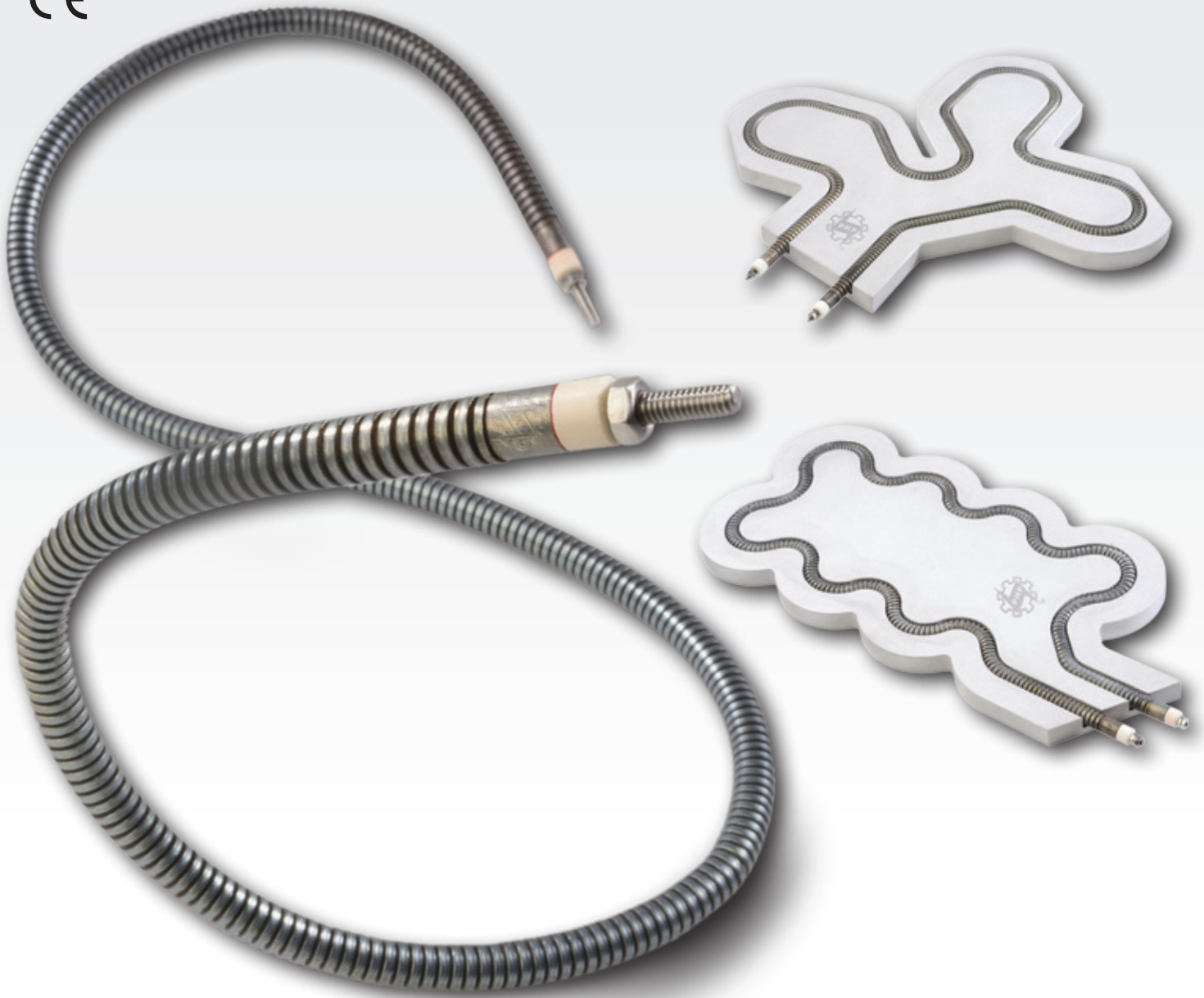


# PHPflex

FLEXIBLE TUBULAR HEATER FOR HOT RUNNER MANIFOLD

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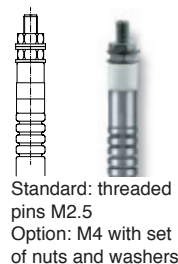
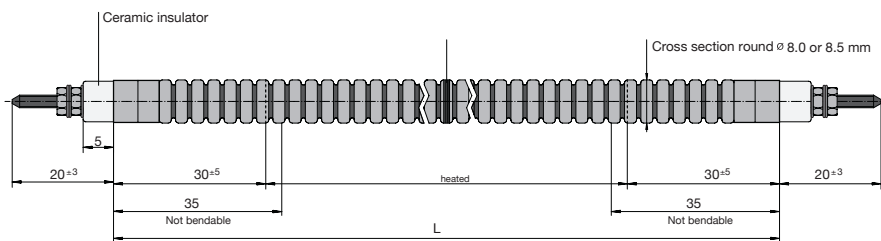
Estd. 1969  
Mumbai, INDIA

**PRATIK HEAT PRODUCTS**  
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**The first choice, to last...**<sup>TM</sup>

# PHPflex FLEXIBLE TUBULAR HEATER FOR HOT RUNNER MANIFOLD

## STOCK SIZES - FOR DIA 8.0MM & 8.50MM



Standard: threaded pins M2.5  
Option: M4 with set of nuts and washers

LENGTH (MM)	WATTS
400	800
450	900
500	1000
550	1150
600	1250
650	1400
700	1500
750	1600
800	1750
850	1850
900	1950
950	2100
1000	2200
1050	2300
1100	2450
1150	2550
1200	2650
1250	2800
1300	2900
1350	3000
1400	3150
1450	3250
1500	3350

### FEATURES

- Effortless forming for Easy installation
- Maximum sheath contact (upto 75%)
- Rapid heat transfer and distribution
- Minimal temp. variance between heater sheath & manifold
- Reduced energy costs
- Smaller bending radius (12 mm)

### TECHNICAL SPECIFICATIONS

- Sheath material - Stainless Steel
- Sheath temperature of heating element - max. 700 °C
- Standard voltage - 230 V
- High voltage test - 1000 V AC
- Insulation resistance -  $\geq 5$  M $\Omega$  at 500 V DC
- Leakage current - < 0.5 mA at 253 V AC
- Standard Length available 400 mm upto 1550 mm (Tolerance  $\pm 1.5\%$ )
- Wattage tolerance -  $\pm 10\%$ , Length tolerance -  $\pm 1.5\%$
- Groove Dimensions - For 8 mm: 7.80 ( $\pm 0.05$ ) mm x 8.00 ( $\pm 0.10$ ) mm, For 8.5 mm: 8.30 ( $\pm 0.05$ ) mm x 8.50 ( $\pm 0.10$ ) mm

### RECOMMENDED GROOVE GEOMETRY

#### TYPE PHPFLEX GROOVE DIMENSIONS [MM] W X H

$\varnothing 8.0 \pm 0.1$	7.8 $\pm 0.05$ X 8.0 $\pm 0.1$
$\varnothing 8.5 \pm 0.1$	8.3 $\pm 0.05$ X 8.5 $\pm 0.1$

### PRECAUTIONS & INSTALLATION PROCEDURES

The groove for insertion of PHPflex must be equipped with a chamfer. Observe minimum bending radius of the PHPflex (recommended groove geometry and radius refer to catalogue). Do not bend the unheated ends of the PHPflex more than length of 40 mm. Do not straighten the bent areas of the heater to avoid breakage. Terminals M2.5 and M4: In order to attach a cable lug to the threaded pin, lock the two nuts one against the other at 1 mm tightening torque. Mark centre of the PHPflex before inserting into a groove, start at this mark in both directions. Do not use sharp-edged tools. The heater can be bent manually and fixed into the groove by plastic mallet.



## PRATIK HEAT PRODUCTS

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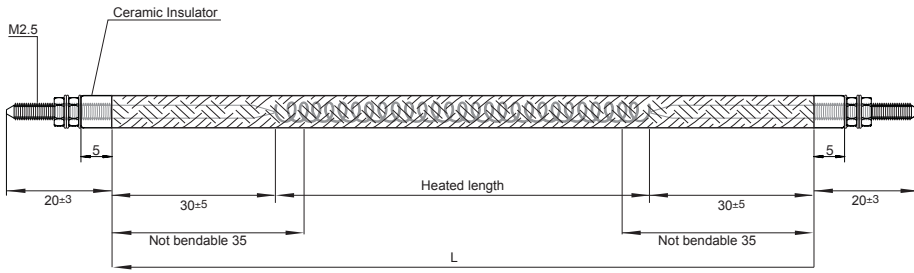
11/12, Tankiwala Industrial Estate, Steel Made Compound, Marol Maroshi Road, Andheri(E), Mumbai 400 059. INDIA.



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# PHPflex

## FLEXIBLE TUBULAR HEATER FOR HOT RUNNER MANIFOLD - 6.5 MM



### STOCK SIZES - FOR DIA 6.5MM

LENGTH (MM)	WATTS
400	500
450	600
500	650
550	700
600	800
650	850
700	900
750	1000
800	1100
850	1200
900	1300
950	1350
1000	1400
1050	1450
1100	1500
1150	1550
1200	1600

### FEATURES

- Effortless forming for easy installation
- Maximum sheath contact (upto 75%)
- Rapid heat transfer and distribution
- Minimal temp. variance between heater sheath & manifold
- Reduced energy costs
- Smaller bending radius (12 mm)

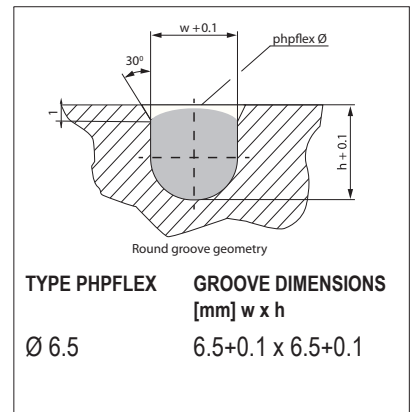
### TECHNICAL SPECIFICATIONS

- Sheath material - Nickel
- Sheath temperature of heating element - max. 700 °C
- Standard voltage - 230 V
- High voltage test - 1000 V AC
- Insulation resistance -  $\geq 5 \text{ M}\Omega$  at 500 V DC
- Leakage current -  $< 0.5 \text{ mA}$  at 240 V AC
- Standard Length available 400 mm upto 1200 mm
- Wattage tolerance -  $\pm 10\%$ , Length tolerance -  $\pm 1.5\%$

### PRECAUTIONS & INSTALLATION PROCEDURES

- The groove for insertion of PHPflex must be equipped with a chamfer. ■ Observe minimum bending radius of the PHPflex (recommended groove geometry and radius refer to catalogue).
- Do not bend the unheated ends of the PHPflex less than length of 40 mm from each ends.
- Do not straighten the bent areas of the heater to avoid breakage. ■ Terminals M2.5. In order to attach a cable lug to the threaded pin, lock the two nuts one against the other at 1 N.m tightening torque. ■ Mark centre of the PHPflex before inserting into a groove, start at this mark in both directions. Do not use sharp-edged tools. The heater can be bent manually and fixed into the groove by plastic mallet.

### RECOMMENDED GROOVE GEOMETRY



## PRATIK HEAT PRODUCTS

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