INOAC

AIPOLY

# Heat Flex

INOAC Housing & Construction Materials Co., LTD.

https://www.inoac-juukan.co.jp/en

INOAC, a pioneer in polyethylene pipes and insulation materials, has released a new model.

# Flexible & Easy to Install with The Highest Quality.

# Heat Flex

**Easy to install**

**All-plastic piping by EF fittings**

**Top-class insulation performance and flexibility**

## Heat Flex

Finely pitched ribs make it easy to bend with less force.

PE foam insulation has a three-layer separate structure and is not glued to the inner pipe, making it easy to remove.

The oxygen permeation prevention layer prevents metal corrosion.

All-plastic piping system can be realized by using PEX EF fittings.

# 9 features

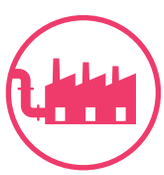
| | |
|---|---|
| **Water tightness** | **No need to worry about water leakage by EF fittings.** |
| **Ease of installation** | **Compared to Onsen pipes, longer lengths (=100m) are available, which reduces the number of fittings.** |
| **Heat resistance** | **Can be used up to 95 degrees.** |
| **Insulation** | **The 3-layer structure of PE foam with excellent flexibility is effective in preventing fluid freezing and heat dissipation.** |
| **Chemical resistance** | **Excellent chemical resistance to salts, acids, alkalis, etc.** |
| **Safety** | **The oxygen permeation prevention layer (EVOH layer) is effective in preventing metal corrosion.** |
| **Weather resistance** | **The outer layer made of PE is resistant to ultraviolet rays. Exposed piping is possible.** |
| **Flexibility** | **The outer layer has finely-pitched ribs which can be bent with little force.** |
| **Reliability** | **Adopts the same fittings as HOTPEX, which has a long history of use.** |

## Wide range of uses


Hot spring piping


Hot water piping for snow melting


Hot water piping for heating


Water supply using waste heat from waste treatment plants


Chemical piping


Keeps liquids hot or cold. Prevents freezing

*Please refer to separate technical documentation when using.

## Maximum operating pressure by temperature

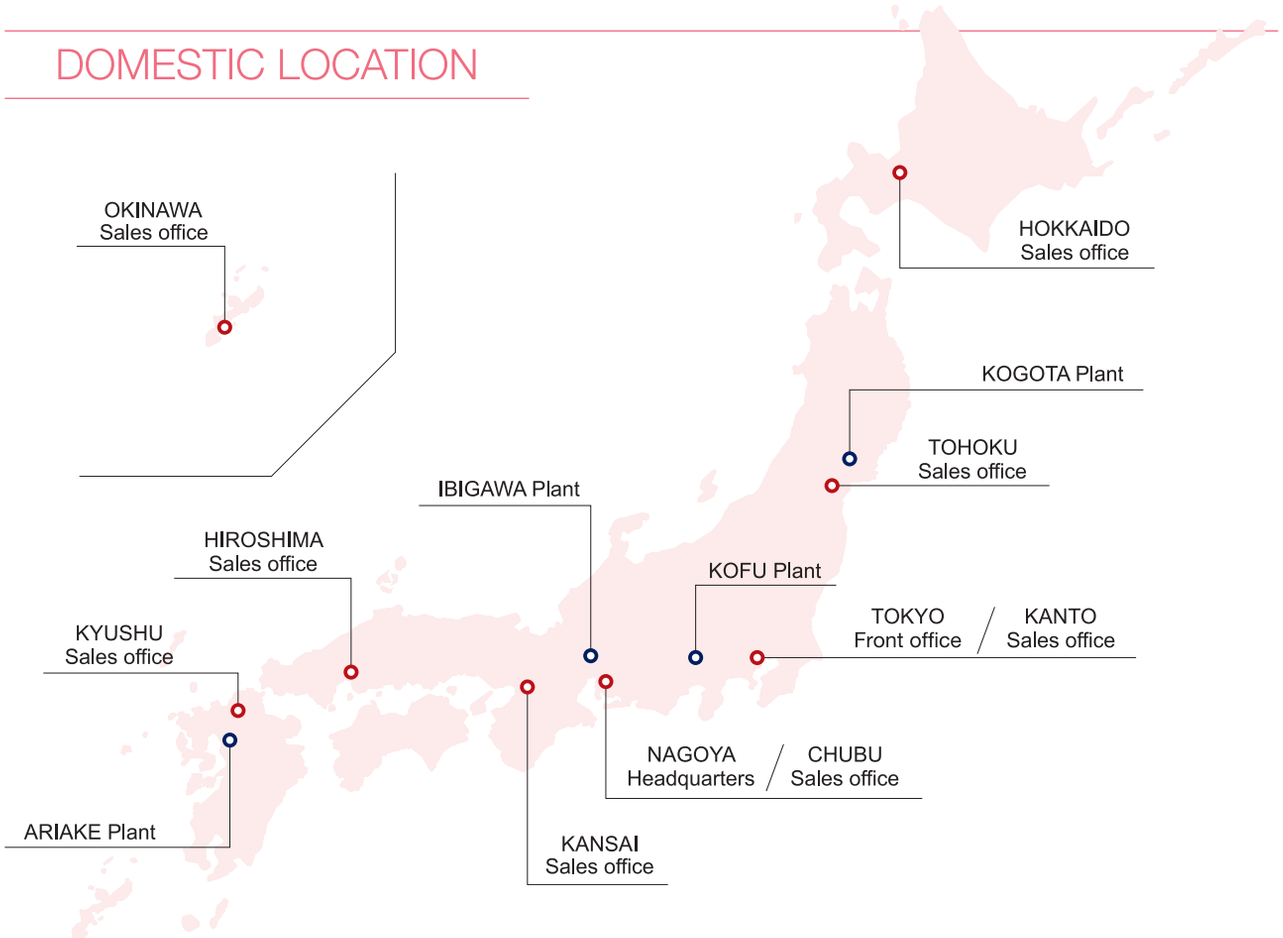
| Operating temperature(℃) | 20 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 95 |
|---|---|---|---|---|---|---|---|---|---|
| Operating pressure(MPa) | 1.51 | 1.34 | 1.19 | 1.06 | 0.95 | 0.85 | 0.76 | 0.69 | 0.66 |

## Specification

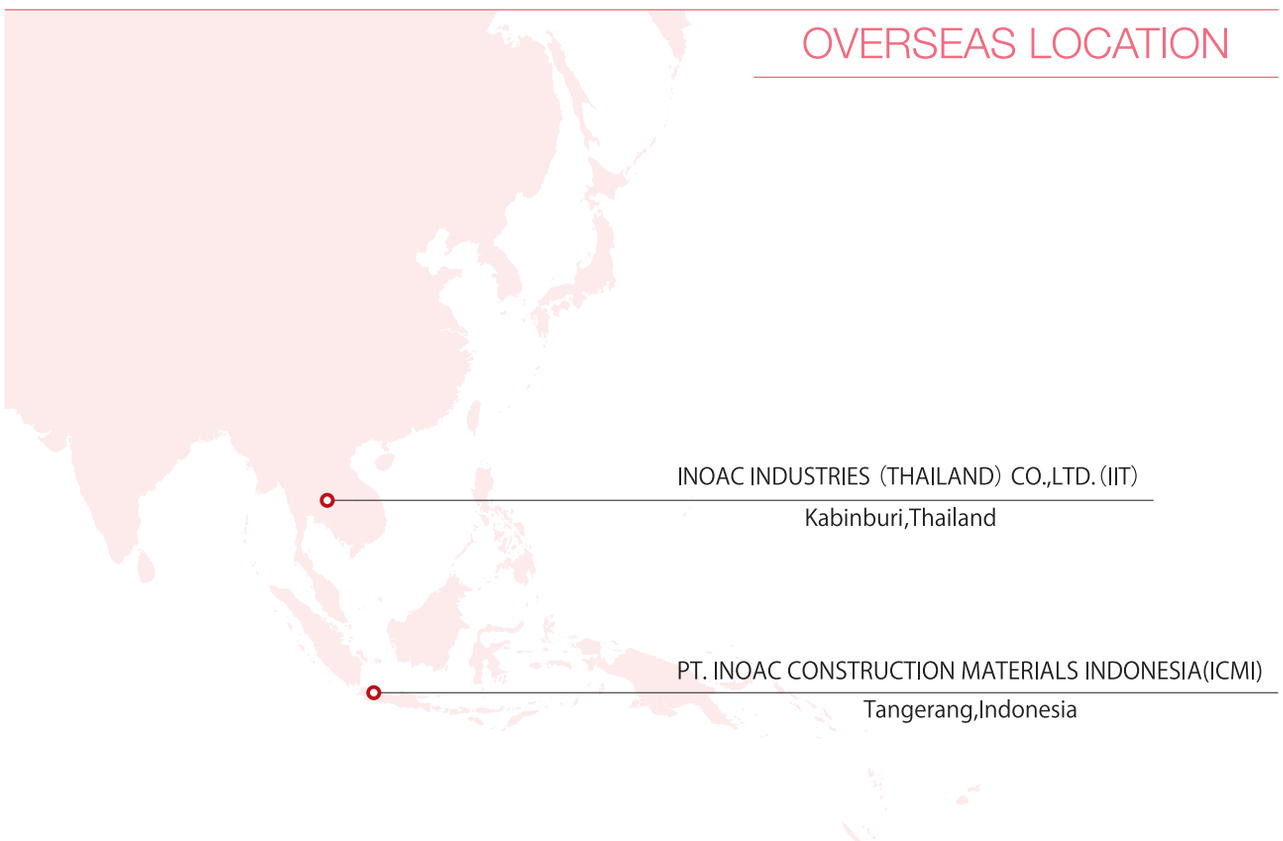
| Article number | Nominal diameter | Inner pipe | | Insulation thickness(mm) | Outer layer | Length (m) | Standard winding diameter(m) | Weight (Kg/m) | Minimum bending radius(m) |
|---|---|---|---|---|---|---|---|---|---|
| | | OD(mm) | Thickness(mm) | | OD(mm) | | | | |
| **HEAT-P-20** | 20 | 25 | 2.3 | 35 | 110 | 50/100 | 2.0 | 1.2 | 0.3 |
| **HEAT-P-25** | 25 | 32 | 2.9 | 30 | 110 | | 2.0 | 1.3 | 0.3 |
| **HEAT-P-32** | 32 | 40 | 3.7 | 27 | 110 | | 2.0 | 1.5 | 0.3 |
| **HEAT-P-40** | 40 | 50 | 4.6 | 45 | 160 | | 2.4 | 2.4 | 0.5 |
| **HEAT-P-50** | 50 | 63 | 5.8 | 39 | 160 | | 2.4 | 2.8 | 0.6 |
| **HEAT-P-65** | 65 | 75 | 6.8 | 32 | 160 | | 2.4 | 3.1 | 0.8 |
| **HEAT-P-75** | 75 | 90 | 8.2 | 42 | 200 | | 2.4 | 4.6 | 1.1 |
| **HEAT-P-100** | 100 | 110 | 10.0 | 34 | 200 | | 2.4 | 5.5 | 1.2 |
| **HEAT-P-110** | 110 | 125 | 11.4 | 27 | 200 | | 2.4 | 6.4 | 1.4 |

*Bend piping should be at an angle of 90° or more.
*Please use an elbow when bending below the minimum bending radius.
*The standard outer diameter is for a 100m roll.

## DOMESTIC LOCATION




## OVERSEAS LOCATION





# INOAC Housing & Construction Materials Co., LTD.

INOAC Hibino Bldg.2F, 4-9-27 Taihou, Atsuta-ku, Nagoya, Japan 456-0062
TEL: (+81) 52-684-0266　FAX: (+81) 52-684-0277
https://www.inoac-juukan.co.jp/en
Email: jyuhp@inoac.co.jp