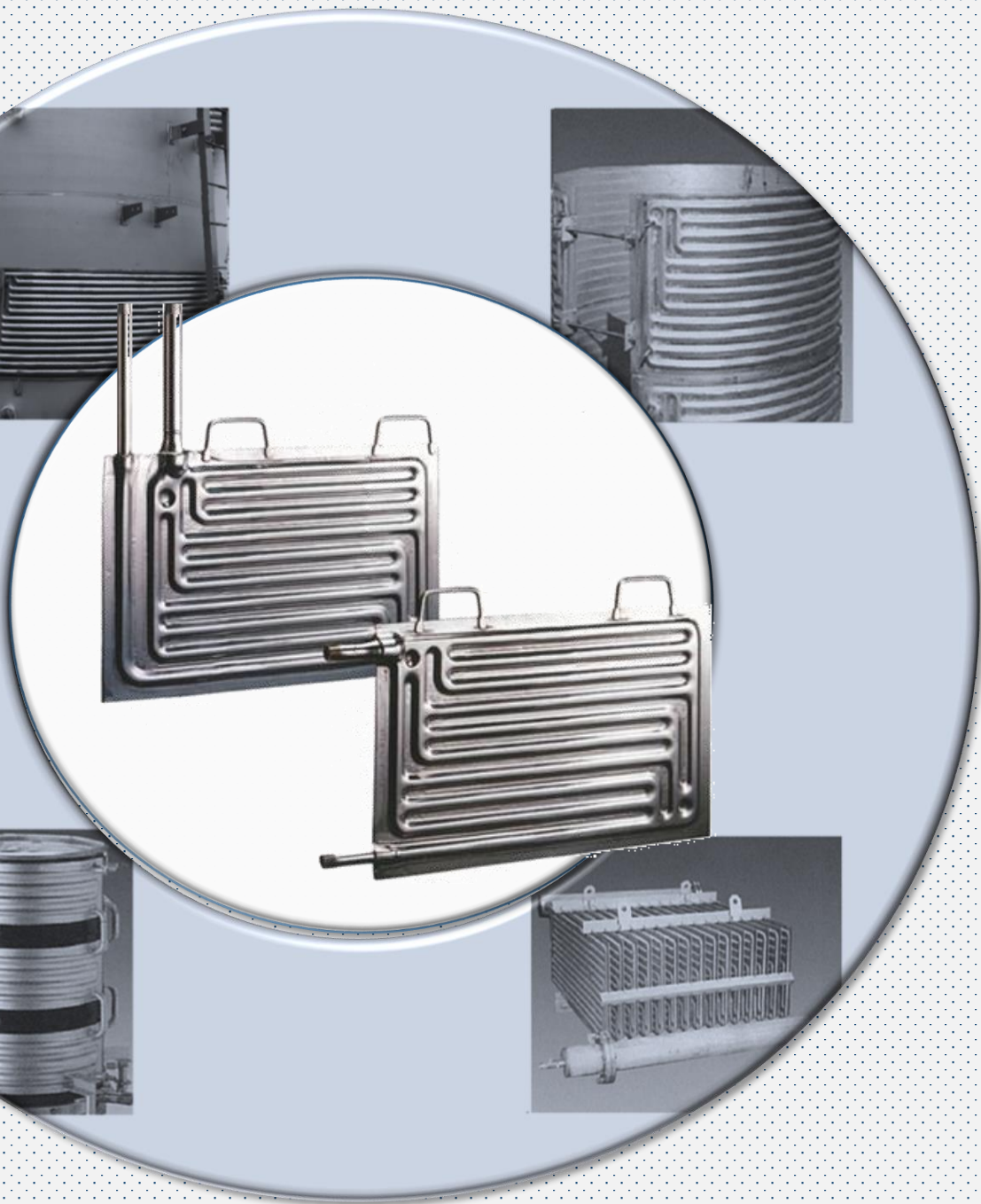


PLATETECOIL

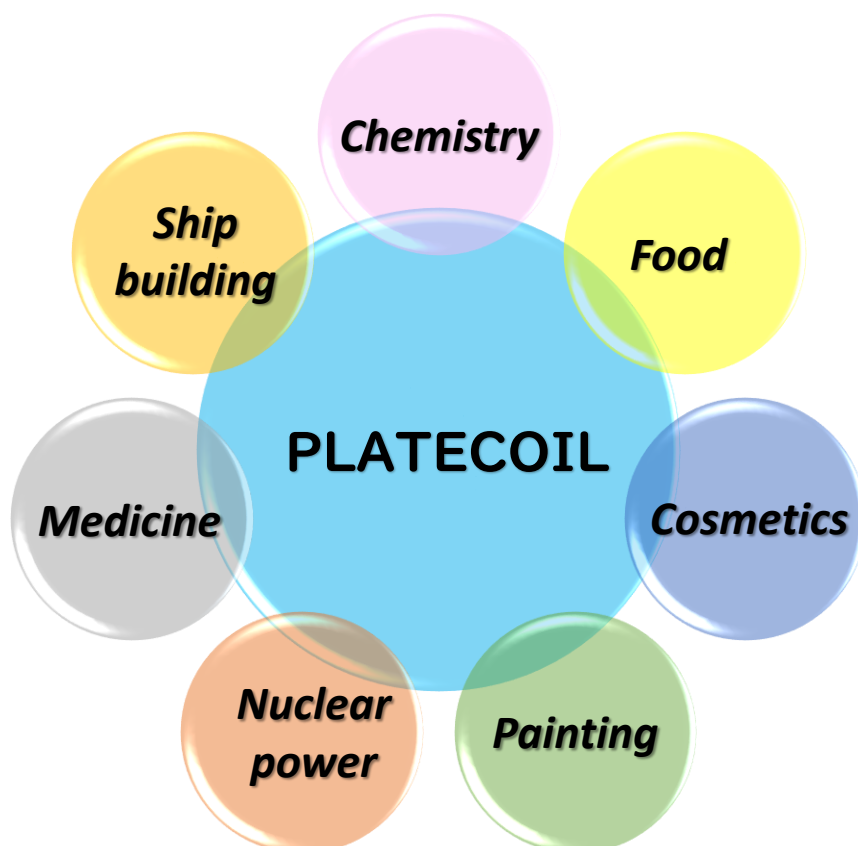


NIHON PARKERIZING CO.,LTD.

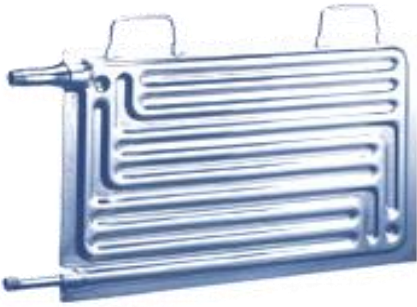
MAIN USES

<TYPE>	<SPECIFICATION>	<Example>
DIPPING TYPE	Dipping in a tank	<ul style="list-style-type: none"> • Pretreatment for painting • Drainage cooling
CLAMP-ON TYPE	Attach to a tank (without welding)	<ul style="list-style-type: none"> • Raw material Tank
VESSEL TYPE	Welding on a tank	<ul style="list-style-type: none"> • Reaction can • Kneading machine
DRUM WARMER	Easy to attach to a drum	<ul style="list-style-type: none"> • 200L drums

INTRODUCTION RECORD

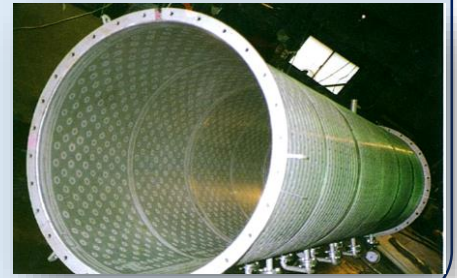


EXAMPLE OF USE



PLATECOIL

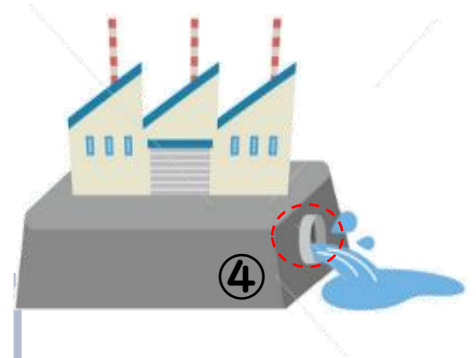
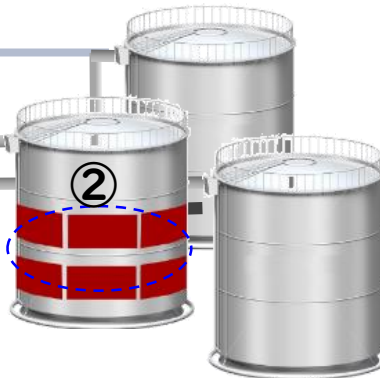
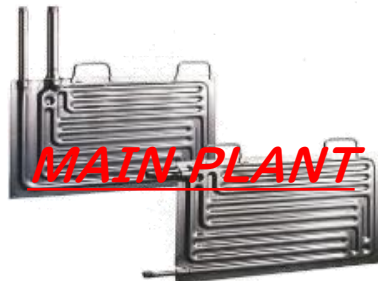
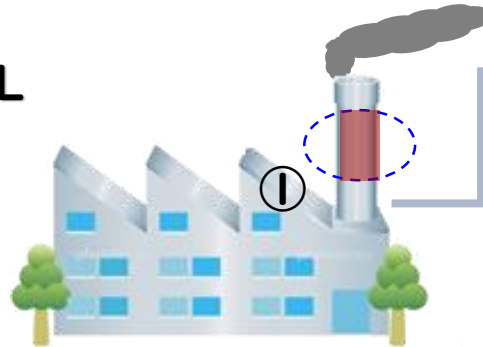
① For duct



② Raw material tank



*Easy attachment
in existing tank !*



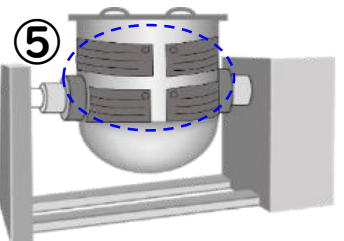
④ Drainage cooling



③ For piping



⑤ Cooking pot



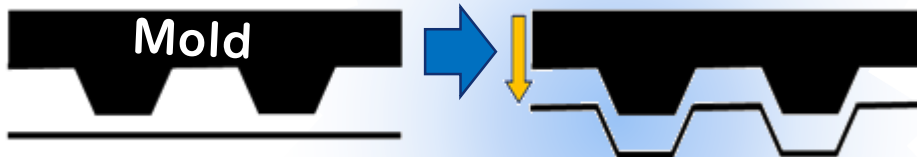
HOW TO MAKE

1

Press molding



Press using a
mold to emboss



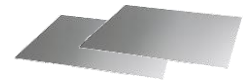
Many mold variations

⇒ various sizes and shapes

Material : carbon steel , stainless steel,
titanium , hastelloy

Please contact us for other materials

<Plate × 2>



<Emboss × 2>



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PLATECOIL



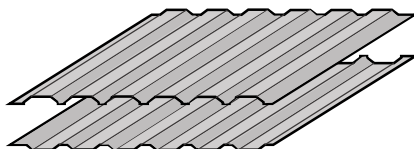
2

combine

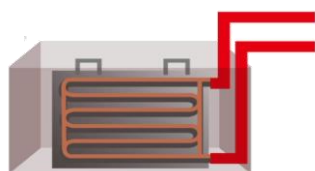
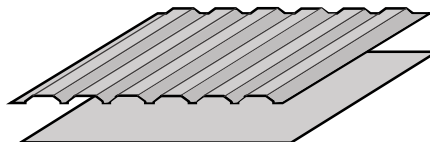


Combining two plates

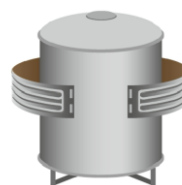
Double type
(Emboss × Emboss)



Single type
(Emboss × Flat)



Dip in a tank (P.9)



Attach to a tank (P.5)

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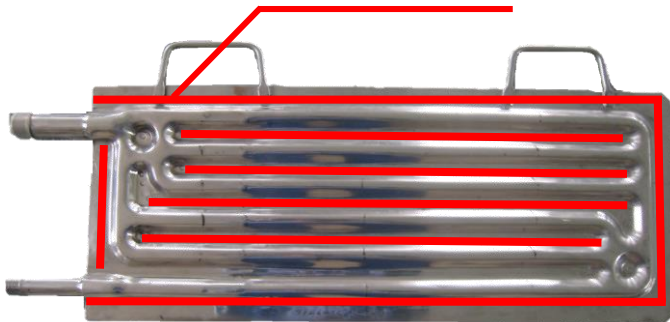
3

Welding

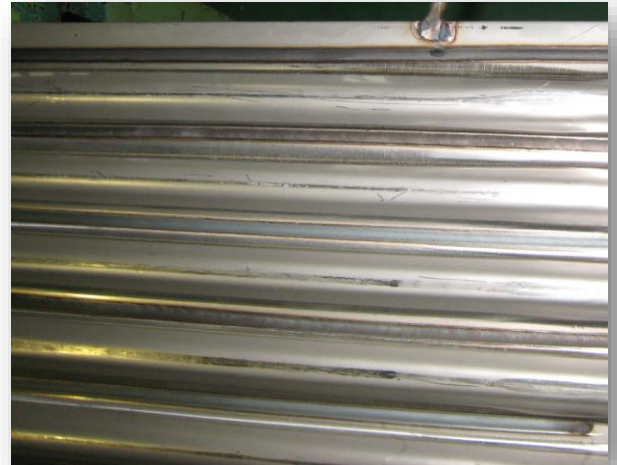


Weld the red line below

Weld the line



■ After welding



Quality is stable due to
Mechanical welding!



It is a structure
that combines two plates

4

Nozzle processing, Inspection



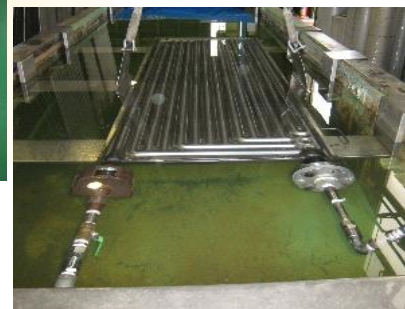
■ Nozzle processing



Nozzle shape is free!

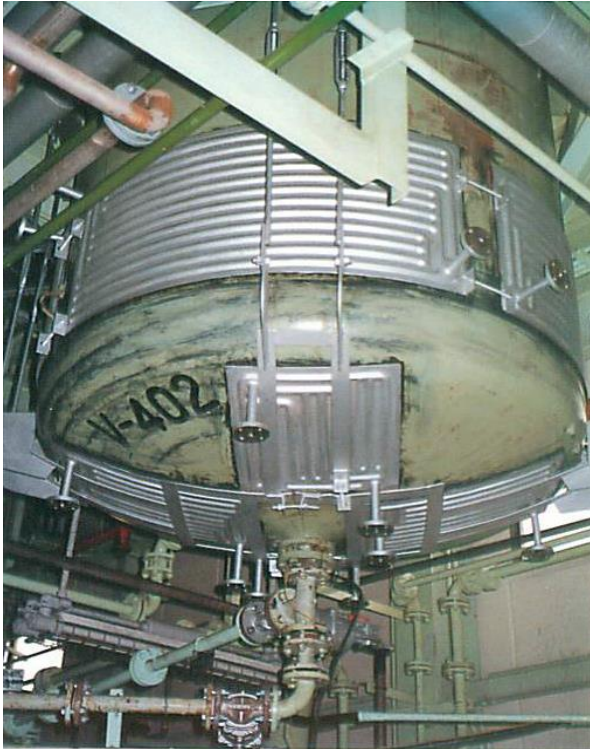
■ Inspection

- Dimensional check
- Visual inspection
- Hydrostatic test
- Pneumatic test

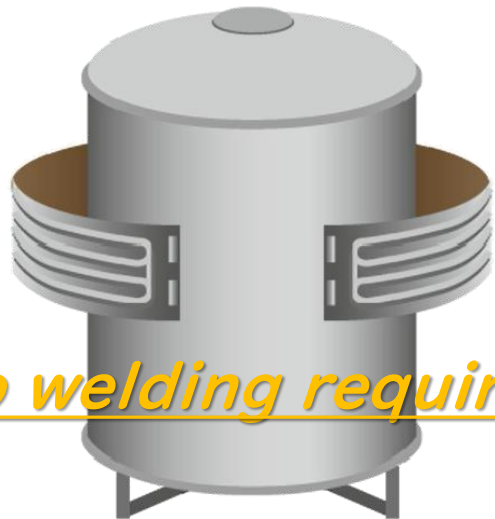


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CLAMP-ON TYPE

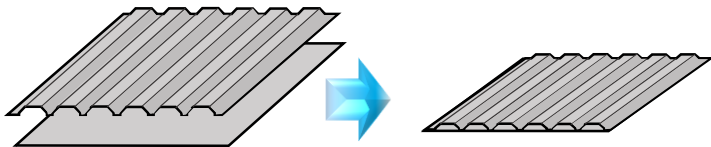


*Easy to attach
to existing tank!*

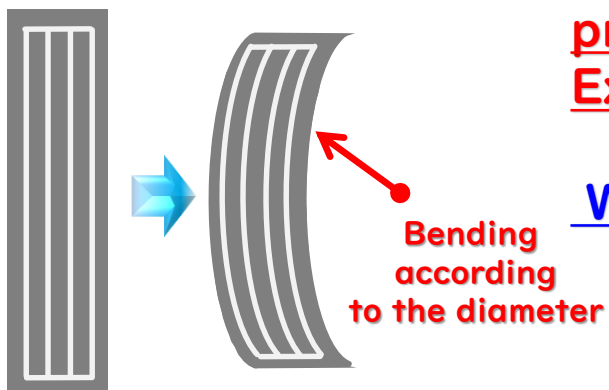


No welding required!

Bending



Use single PLATECOIL



process various sizes!
Experience : ϕ 100mm- ϕ 10m

We can be 3D bending !



Performance

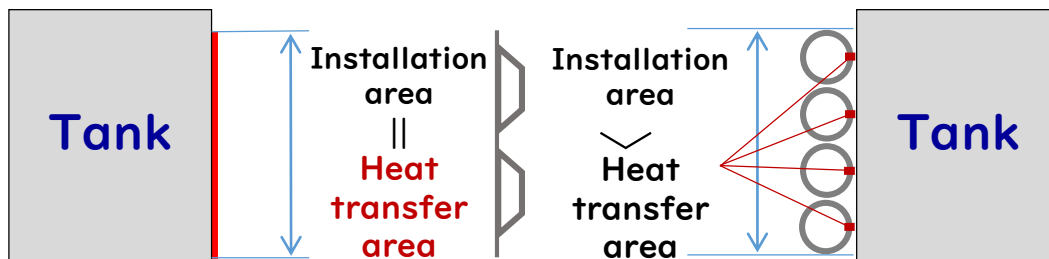
【PLATECOIL】

【Pipe】

Compare PLATECOIL and Pipe



Confirmed the ability more than double



using heat transfer cement
⇒ High efficiency

No heat transfer cement

Installation method

【Target container】

- New tank
- Existing tank
- Old full jacket tank

【Standard】

【there is an obstacle】

Bolt

①Band

②Flame



【Welding is possible】



**We propose
the best
installation method**



R type
rug



VESSEL TYPE



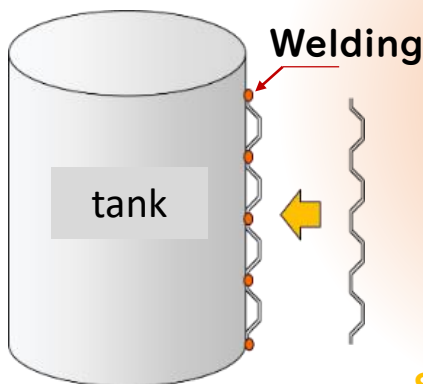
High efficiency!
Lightweight!



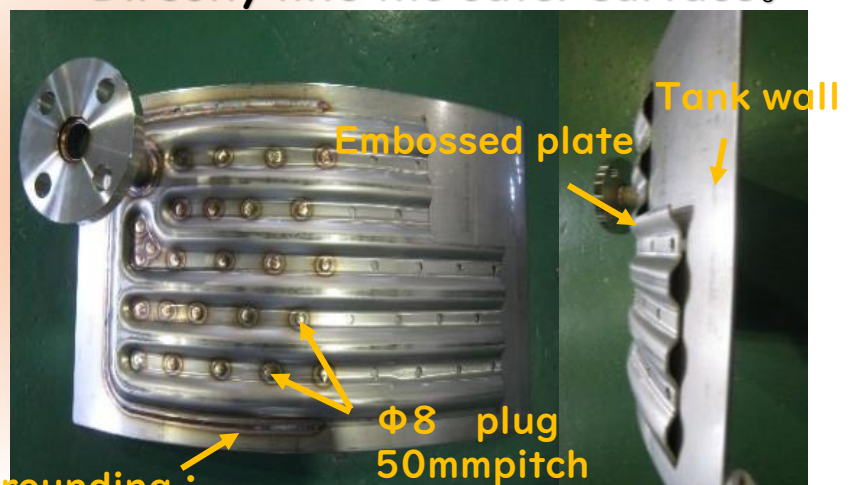
Can be easily converted
Into a jacket tank

Installment structure

Welding the emboss
directly to a tank



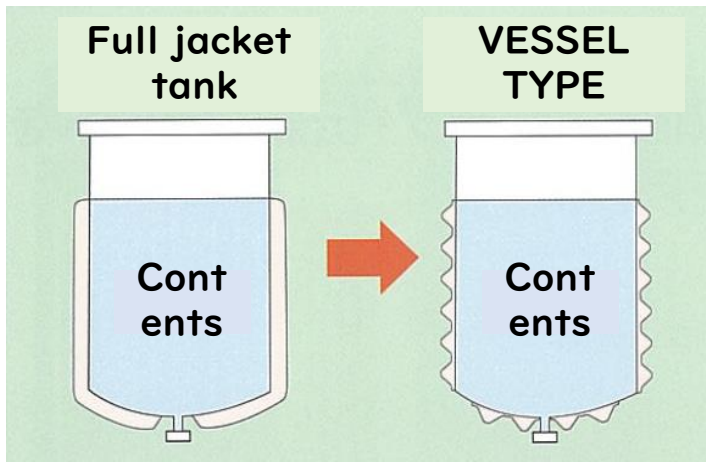
Directly hits the outer surface!



Surrounding :
Fillet welding

High strength
due to 50mm pitch plug welding!

POINT



Lighter than
a full jacket!

Honeycomb structure

⇒ • Embossing reinforces
the tank



Honeycomb
structure

Heat medium flow rate
is faster than jacket tank

⇒ high performance!

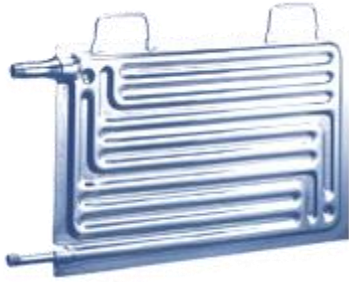


Installment example

Can be installed in various places!

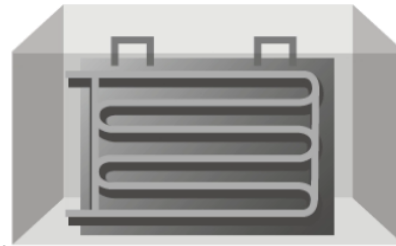


DIPPING TYPE



Compact shape !

Easy to use !



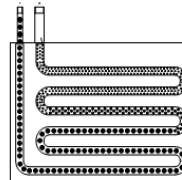
Path shape • Size

<Path shape>

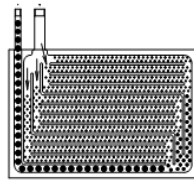


You can choose
how to put out
the nozzle

Serpentine type
(Recommendation :
water , oil)



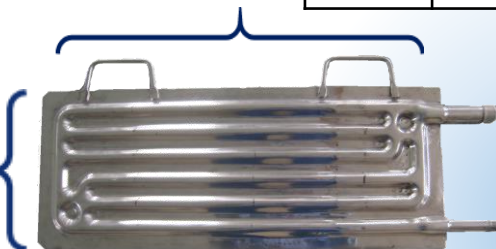
Multi type
(Recommendation :
steam)



<Size>

Dimension B

Dimension A



Type NO.	Path shape
50	
60	

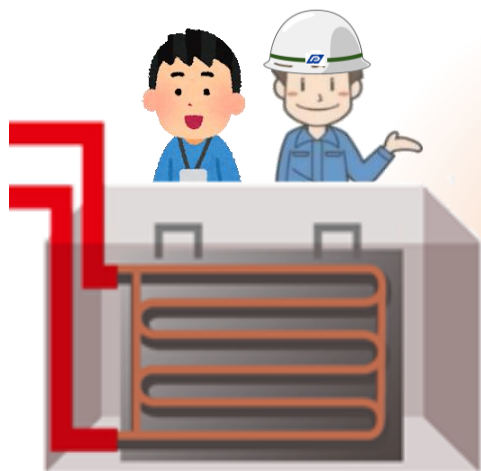
Type NO.	Path shape
70	
80	
90	

■ Size (Surface area)

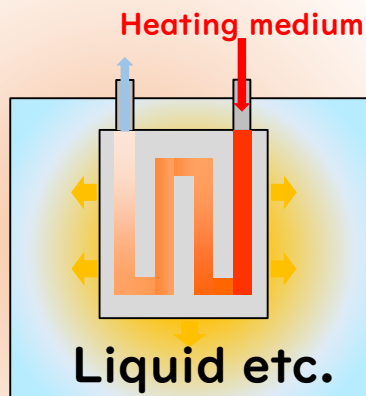
(unit : m²)

Dimension B \ Dimension A		570mm	730mm	880mm	1190mm	1490mm	1790mm	2100mm	2400mm	2710mm	3000mm	3320mm	3630mm
		23 in	29 in	35 in	47 in	59 in	71 in	83 in	95 in	107 in	119 in	131 in	143 in
304mm	12 in	0.3	0.5	0.6	0.8	1.0	1.2	1.4	1.6	1.8	2.0	2.2	2.4
480mm	18 in	0.6	0.7	0.9	1.2	1.6	1.9	2.2	2.6	2.9	3.2	3.6	3.9
568mm	22 in	0.7	0.9	1.1	1.5	1.9	2.2	2.7	3.0	3.4	3.8	4.2	4.6
656mm	26 in	0.8	1.0	1.3	1.7	2.2	2.6	3.1	3.5	4.0	4.4	4.9	5.3

Instructions



Easy to use!



<Material> <Main heat medium>

• SUS304 (L)
• SUS316 (L)
• Carbon Steel
• Titanium
• Hastelloy

• Steam
• Water (Hot,Cold)
• Heat transfer oil
• Refrigerant gas
etc.

Heating and cooling
the liquid

<Connection>

<Standard> <Flange>



Flange connection
(Option)



Nozzle shape is free!

Performance

[PLATECOIL]



[Pipe]



**Lightweight and compact
when compared trace pipe
and PLATECOIL**

	PLATECOIL	Pipe
Surface area	2㎡	2㎡
Size	568×1490 (mm)	600×2000 (mm) 4.0A pipe×1.3m (sch60)
Weight (SUS04)	32kg	About 60 k g

High strength and pressure resistance
due to honeycomb structure

■ Pressure resistance

(Unit : MPaG)

Material	Type No.	Double Type	Single Type
SPCC(Iron) 2.3mm	50, 60	1.96	1.47
	70, 80, 90	1.18	0.88
		0.78 (※)	0.59 (※)
SUS304 2.0mm	50, 60	1.96	1.47
	70, 80, 90	1.27	0.88
		0.88 (※)	0.59 (※)



DRUM WARMER

DRUM BODY WARMER ■ POINT (For 200L drum)

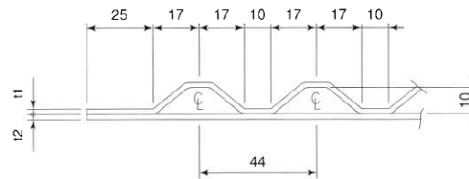
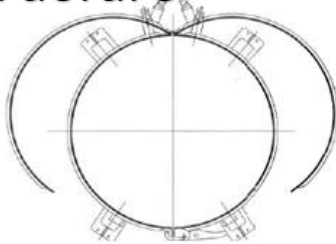


- Caster easy to move
- Clamp easy to fit.
- Safe due to using steam .
(No need: explosion-proof)
- Efficient by surface contact.

■ SPECIFICATION

Design Pressure	0.50 MPaG		
Heat Transfer Area	1.16m ²		
Material & Thickness		t1	t2
	CS	1.2	1.6
	SUS	1.5	1.5
Weight	31~38 kgs		

2-parts structure



Cross section



DRUM BOTTOM WARMER
(Option item)



WARM KEEPING COVER
(Option item)

■ Contact us

Industrial products group

〒103-0027 1-15-1 Nihonbashi, Chuo-ku, Tokyo

TEL:03-3278-4465 FAX:03-3278-4328

Nishinohon Division

〒564-0052 11-41-1 Hiroshiba-cho, Suita City, Osaka Prefecture

TEL:06-6386-5158 FAX:06-6386-3340