

# Water Treatment Plant

Plate heat exchanger application

Nowadays, more and more countries have started establishing strict legislation on water disposal, residents' health and environmental safety come first.

Municipal sewage sludge and wastewater treatment facilities are deployed around cities, the water handling capacity is dramatic every day, and so is energy.

Hofmann has been committed to provide solution for better heat exchanger efficiency.



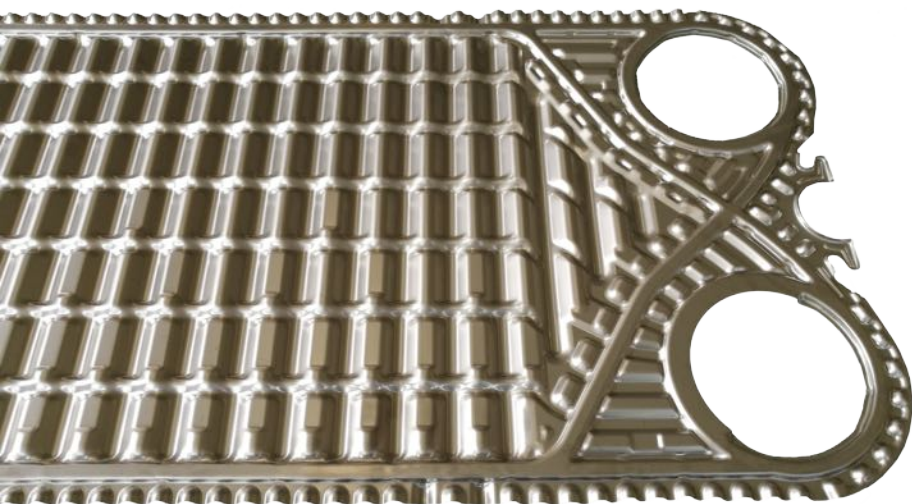


## Advantages of plate heat exchangers

- design produces high thermal efficiency, allowing maximum heat recovery
- compact design requires a fraction of the space taken up by conventional heat exchangers
- unit may be expanded to accommodate future increased duties
- cross contamination not possible under normal operation; possible leaks are vented external to the unit
- access to heat transfer surface for maintenance is simple
- design exhibits low fouling tendency
- unit is economical to operate

# Our products for water treatment plant

## We know better on cooling solution



Plates with deeper corrugation means large diameter particles or high viscosity fluid could easily pass through. The 8mm deep wide gap plates allow pulp (up to 5mm diameter particles) going through without retention.



Gasket plate heat exchanger	
Max connection diameter/DN	350
Max. volume flow m <sup>3</sup> /h	1800
Max. Heat transfer surface/m <sup>2</sup>	1380
Designed Pressure rate MPa	2.5
Temperature °C	-40-180
Plate material	304 SS, 316 SS, Titanium
Frame material	Carbon Steel, 304 SS, 316 SS

Gasket	Temperature/ °C	Media
EPDM Ethylene propylene diene monomer	-25-150	Water, aqueous solution, lean acid and base
NBR Nitrile rubber	-25-130	Water, aqueous solution, fat, vegetable oil and mineral oil, ethanol and glycol
FPM/Viton Fluoro rubber	-20-180	High concentration inorganic acid (oxidizing acid), hot water and steam, high temperature mineral oil
CR Chloroprene rubber	-40-125	Ammonia and various fluorine-containing refrigerants



# Our **service** is better than you expected

HFM offers rich experience in water treatment plant. We have multiple global warehouses and service teams around the world, the delivery time and freight are reduced to the largest extent, and spare parts can be delivered at the fastest speed. Manufacturing is merely one part of our business, knowing our customers requirements and acknowledge various kinds of working conditions is our daily life.

## 1, Inventory management

In order to ensuring delivery effectiveness, based on the acknowledge of PHE market and supply chain management, HFM has distributed the warehouses around the world.

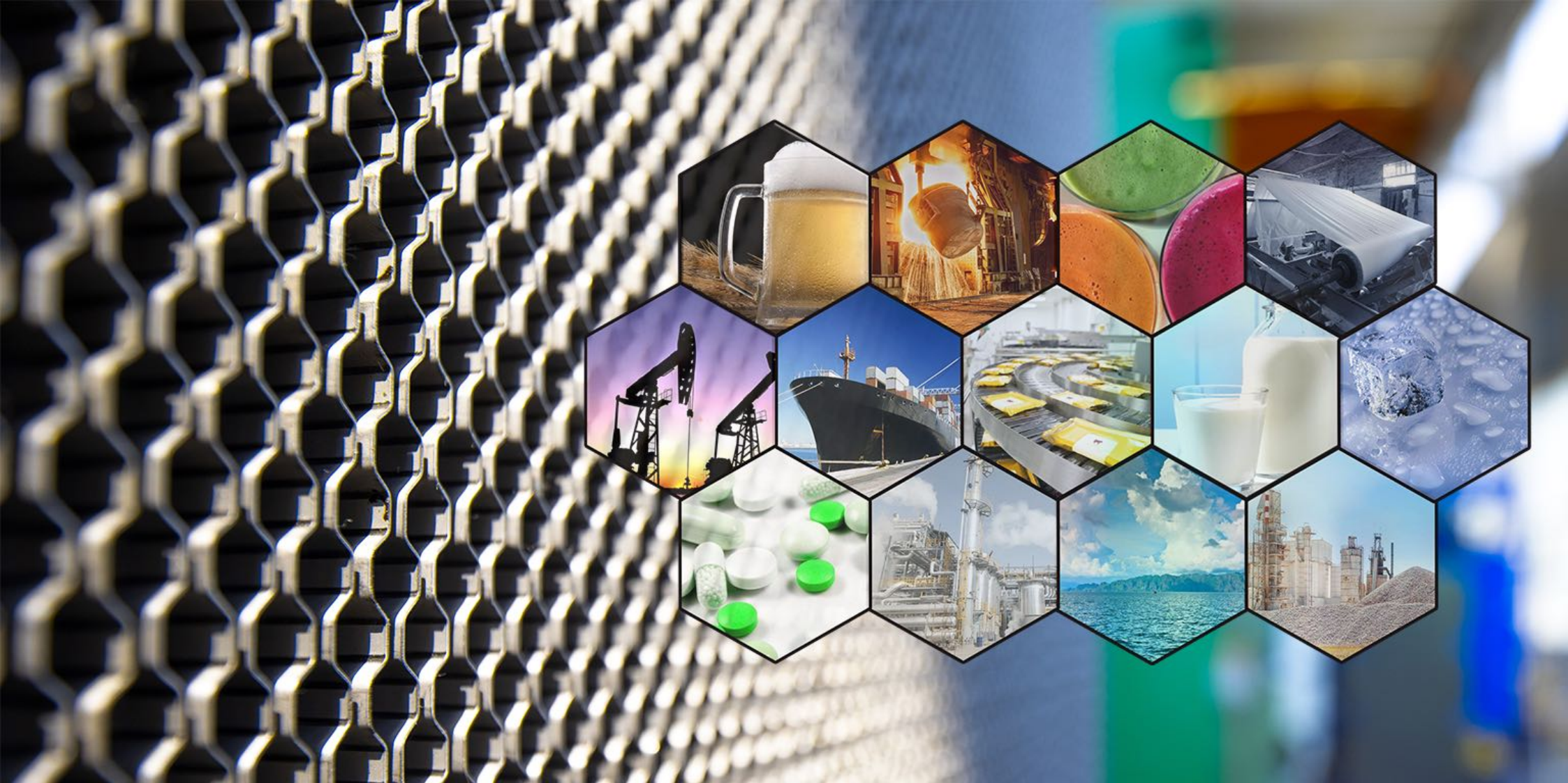
## 2, Spares replacement

HFM has the full range of plate heat exchanger spares, our service engineers could either travel to the scene or remote guid your team to replace.

## 3, Cleaning service

HFM can provide both CIP(cleaning in place) and disassembling cleaning services depending on your circumstances.





### **Professional design solution:**

Our technical department dealt with various application year after year, the accumulative experience forged a special team with exploring spirit and critical spirit. The gasket plate heat exchanger is our core business, thousands of units have been in services for many years in different fields.

### **Service is our cornerstone :**

We consider customer as our priority, understanding customers' real needs and rapid feedback are the basics. We and customers are bound to each other for learning and developing, sharing knowledge keeps us growing, which makes accomplishing projects easier and faster.

[www.hofmann-heatexchanger.com](http://www.hofmann-heatexchanger.com)



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