

Optional / Variation (Custom-made)

Disassembly-washable type Route Heat Exchanger



RSTW
(Titanium • Washable)

■ stain free & lower pressure loss

This route heat exchanger has a stain free or water scale-free structure with baffle plates which generates an eddy. This leads to a reduced pump load, by minimizing the pressure loss.

■ washable → Maintain primary performance

When heat-transfer performance goes down due to the adhesion of waste, the heat transfer tubing can be removed from the shell and cleaned by means of pressure washing. Due to the ability to clean the tubes, the primary heat exchanger performance can be recovered.
(*See table below)

■ simple maintenance, Reasonable, risk free

Because of the generally available flange joint structure, disassembling points are few and maintenance is simple. No need to use any specialty tools. With commonly available sheet type gaskets the price remains reasonable. Assembly is easy, and risk free because leakage caused by poor sealing is unlikely.

■ maintenance as a preventive measure

Not only does washing aid in eliminating corrosion in its early stages, periodic maintenance allows for visual inspection of the heat transfer surface when the tubing is removed and allows for early detection of any possible abnormalities. These are preventive measures against trouble and impact on the operation. Moreover, tubing repair is greatly simplified.

■ large choice in material

As with the conventional Route heat exchanger, SPF can provide the corrosion-resistant material according to the property of plating solution.

DATA

* Performance drop can be recovered by washing *

We define the performance of a brand-new model as 100%, and heating time as 60 minutes.

Following data shows performance drop after 2 years of use and performance recovery after washing.

	Performance after 2 years-use	Heating time	Wash-up!	After recovery
Water	85%	71min	→	63min
Solution A	70%	85min	→	67min
Solution B	50%	120min	→	71min

Values will vary depending on the actual operating condition.

NOTE

* The distinction between conventional model. *

- ◇ Steam flows through the heat transfer tubing.
- ◇ The plating solution flows between the tubing and shell.
- ◇ The tubing is round tube, but not F-type.
- ◇ Only heating type is available.

(As of March 2010)

Please contact SPF sales division for details or any questions you might have.



Doing more with less



Route Heat Exchanger

High efficiency • Compact • Corrosion Resistant heat exchanger

A wide range of corrosion resistant metals are available, to accomodate various chemicals.



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