

FreeFlow Heat Exchangers

BUILT FOR WORRY FREE PROTECTION

SX-FFHEBRO-120091 R1



C. Emery Nelson, Inc.

INDUSTRIAL AND POWER PLANT EQUIPMENT

7631 Commerce Street, Hamel, MN 55340
Ph: 763/420-3844 Fax: 763/420-2542

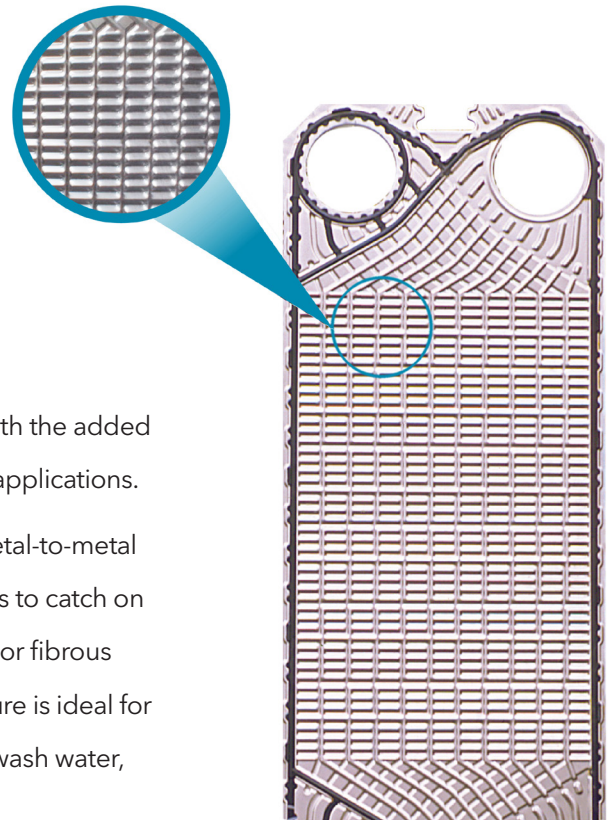
Standard **Xchange**
a xylem brand

FreeFlow

Worry Free

FreeFlow units offer the same features of basic PlateFlow models, with the added benefit of exceptional clog-resistance for high-fiber or coarse-fiber applications.

The Standard Xchange FreeFlow models feature minimum or no metal-to-metal contact points between adjacent plates to reduce points for particles to catch on the plates. FreeFlow models can handle fluids with particulate, pulp or fibrous materials up to 6mm in diameter and 5mm long. The FreeFlow feature is ideal for heat reclamation in pulp and paper or chemical processing, where wash water, white water, fibrous water slurries or high viscosity fluids are used.



Applications

- Ideal for suspended material applications, e.g. fibers, solids, crudes etc.
- Can easily work with thick, viscous fluids
- Apt for heat reclamation in industries like pulp and paper, ethanol/biodiesel, viscous slurry, petrochemicals etc.
- Highly suitable as heat recovery condensers
- Wastewater applications



Product Features

- Wider plate gap for clog resistant free flow
- Unique inlet and outlet design to minimize clogging at ports
- Minimum metal-to-metal contact points between adjacent plates to reduce clogging
- "True" counter-current flow to maximize heat recovery
- Superior heat transfer coefficients compared to shell and tube heat exchangers
- Performs with one-third to one-fifth the surface area of a shell and tube heat exchanger
- Plates - 304SS, 316SS, and Titanium *
- Gaskets - Nitrile and EPDM *
- ASME Section VIII Division 1 with U stamp *

** For others, consult factory*



Please refer table below for nominal port sizes and maximum particle size.

Model	Nominal Port Size (in)	Max Particle Size (in)	Max Particle Size (mm)
FP11	1.25	0.094	2.4
FP25	2	0.098	2.5
FP53	3	0.106	2.7
FP101	8	0.114	2.9
FP131	8	0.114	2.9
FP229	8	0.114	2.9
FP123	8	0.236	6.0
FP160	12	0.193	4.9
FP230	16	0.189	4.8
FP260	20	0.098	2.5



Xylem |'zīləm|

- 1) The tissue in plants that brings water upward from the roots;
- 2) a leading global water technology company.

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Xylem, Inc.
175 Standard Parkway
Cheektowaga, NY 14227
Phone: (800) 447-7700
FAX: (716) 862-4176
www.xylem.com/standardxchange

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To learn more about Standard Xchange heat exchangers:

