

Redefining Fine Particle Filtration

VelRay X™ 4000

A new era in fine particle filtration is here with the launch of the VelRay X™

The VelRay X™ removes suspended solids in a single pass from high-throughput water streams. Its engineered design offers a broader range of capabilities than systems currently on the market today. A small system footprint and turn-key operations make the VelRay X™ competitive in every filtration process that removes fine suspended particles.

ROBUST. SUSTAINABLE. DISRUPTIVE. TURN-KEY SOLUTIONS

The VelRay X™ delivers:

- ◆ Offers consistent filtration over an extended range of variable TSS conditions
- ◆ Operates in the presence of fats, oils, and grease
- ◆ Continuous filtration flow during operation
- ◆ Up to 99% water recovery
- ◆ Simple and straight forward operation and maintenance

Skids built for fast integration:

- ◆ Scalable and modular configurations
- ◆ Automated control system
- ◆ Industrial Ethernet communication / Profinet
- ◆ Intuitive touch screen interface
- ◆ Integrated 7.5HP drive pump
- ◆ Optional integrated feed pump
- ◆ Full stainless steel construction options
- ◆ All NSF-61 compliant materials
- ◆ UL-listed control components



Parameters	VelRay X™ 4000
Working Pressure	20 psi - 60 psi (1.3 - 4 bar)
Working Temperature	35° - 185° F (2° - 85° C)
Working pH	5-9 Continuous
Electrical	380V-480V, 50/60 Hz, 3Ø
Filtration	20 Micron nominal
Flow rates	400 gpm (90 m ³ /h)†
TSS ranges	Up to 5,000 mg/L
Solid Limitation	1/8" solid
Connections	4" I/O ISO flange, 2" drain ISO flange
Weights	1400 lb dry / 1600 lb wet (635 kg/ 726kg)
Overall dimensions	34" x 60" x 84" (864 x 1524 x 2134 mm)

† flow based on water quality and system parameters.



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