

FisonicMax

FM SERIES HEATING AND HOT WATER SYSTEM



Commercial Heating and Hot Water System

Patented Controlled Cavitation Technology

The new FisonicMax commercial heating and hot water system uses proprietary two-phase flow technology to deliver unparalleled heat exchange efficiency.

The steam supply needed to maintain your building's current heat load will be significantly lower with the FisonicMax. The environmental benefits are outstanding since the FisonicMax reduces consumption of primary energy, electric power, water and sewer services.

The FisonicMax is designed for fast, low-cost installation in any existing or new building. The FisonicMax is pre-assembled on a compact skid that fits through all standard door openings. Unlike conventional tube-n-shell heat exchanger systems, which are known for fouling and catastrophic failure, FisonicMax systems require minimal maintenance.



Designed and Manufactured in the USA

*Financing options including
Shared-Savings, Power Purchase
Agreements and Long-Term Leasing*

*State and utility incentives are
available in some areas*



Operational Benefits

- Reduce Steam Consumption from 16% to 55%
- Reduce Sewer Charges by 60%
- Reduce Quench Water Usage
- Zero Emissions / No Venting Needed
- Easy Bypass Installation with No Downtime
- Compact Footprint Fits Into Small Utility Rooms
- Includes Integrated Control System
- BMS Compatible

To find out more scan this QR Code and visit our website
www.fisonicsolutions.com



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| HEATING SYSTEM | FM-1000 |
|-----------------|-----------------------|
| Weight: | 350 lbs |
| Dimensions: | 4'x1.7'x5' (L"xW"xH") |
| Heat Output: | 1.0 - 5.0 MBTU |
| Volume Flow: | up to 800 GPM |
| Steam Pressure: | 10 -150 psi |

Steam Savings: up to 48%

| DOMESTIC HOT WATER SYSTEM | FM-1001 |
|---------------------------|-----------------------|
| Weight: | 300 lbs |
| Dimensions: | 4'x1.7'x5' (L"xW"xH") |
| Heat Output: | 0.25 - 1.0 MBTU |
| Steam Pressure: | 10 -150 psi |

Steam Savings: up to 55%

| AIR HANDLER COIL RETROFIT | FM-1002 |
|---------------------------|---------------------|
| Weight: | 88 lbs |
| Dimensions: | 1'x1'x4' (L"xW"xH") |
| Heat Output: | 0.04 - 0.5 MBTU |
| Steam Pressure: | 10 -150 psi |

Steam Savings: up to 62%

Sample Performance Comparison

The annual operational performance in a 27-story building using a FisonicMax FM-1000 vs. a standard district heating system. Results are based on tests performed by New York State Energy Research and Development Authority (NYSERDA) at the Con Edison headquarters testing site. To read the full white paper report of this project visit our website www.fisonicsolutions.com

| Parameter | Units* | Regular System | Fisonic FM-1000 |
|-------------------------------------------|----------|----------------|-----------------|
| Annual System Heat Production | MMBtu | 7,743 | 7,743 |
| Annual Steam Consumption | Mlbs | 7,722 | 6,458 |
| Peak Comfort Heat Load | MMBtu/Hr | 3.86 | 3.86 |
| Peak Steam Load | lb/Hr | 3,850 | 3,219 |
| Hot Water Peak Flowrate | gpm | 386 | 386 |
| Annual Condensate Flow | Mlbs | 7,722 | 6,458 |
| Annual Make-up Water Flow | Mlbs | 66,692 | 718 |
| Total Condensate and Make-up Flow | Mlbs | 14,414 | 7,176 |
| Total Condensate and Make-up Flow | Mgal | 1,728 | 860 |
| Annual Electric Cons. for Hot Water Pumps | kWh | 62,827 | 12,565 |

*MM is million and M is thousand



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