

Ream-A-Matic® Tube Cleaner

RAM-4

Goodway was the first company to develop rotary tube cleaning technology. The RAM-4 Tube Cleaner is the **fourth generation** of the original rotary tube cleaner. This machine makes tough tube cleaning a simple, one-person operation. It is ideal for cleaning tubes/pipes 1/4"-1" (6.4-25.4mm) I.D. in chillers, condensers, evaporators, absorption machines and heat exchangers.

How It Works

The RAM-4 uses a cleaning tool mounted to the tip of a flexible shaft. The unit feeds water through the casing to the cleaning tool, flushing out deposits as they are loosened.

Will Not Damage Tubes

The flexible shaft snakes through each tube, unaffected by any bends caused by sagging. All brushes and tools are designed not to cut into the tube wall or get stuck in the tube.

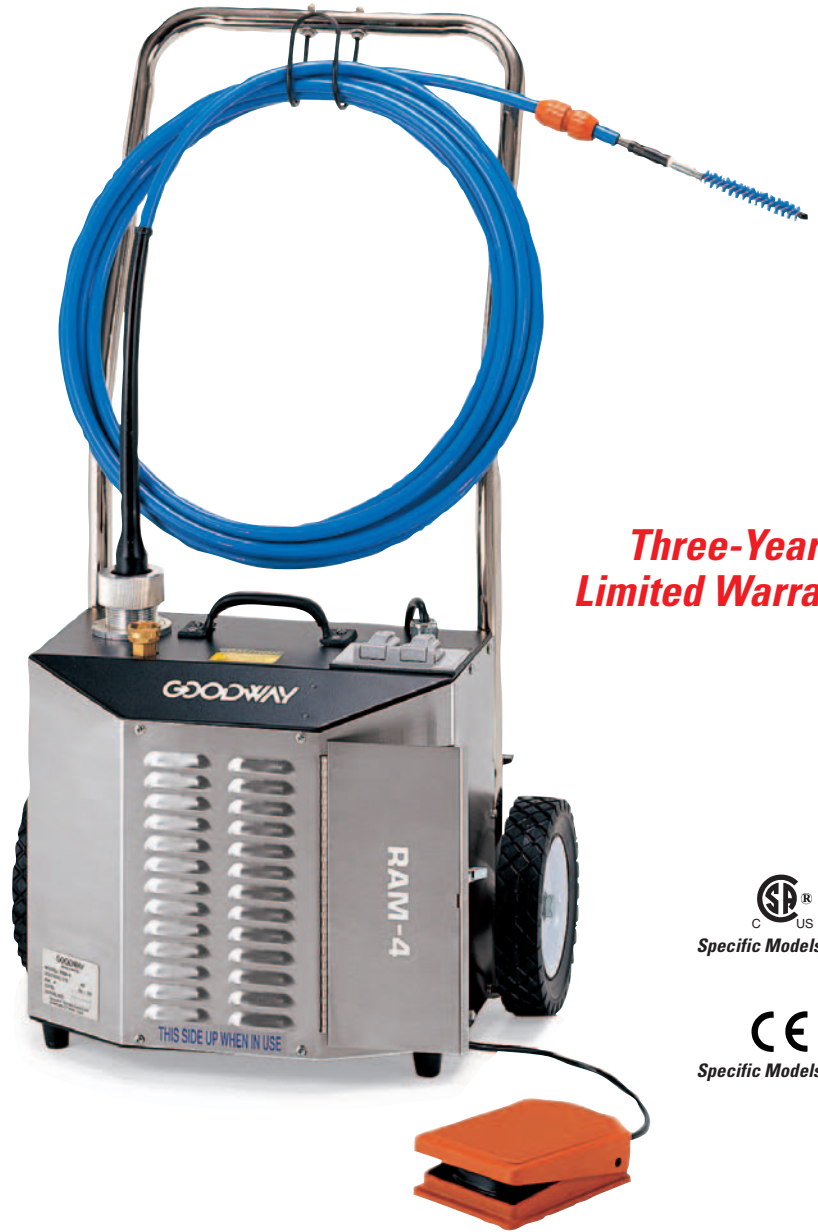
Features – Benefits

- Simple to operate – Minimal training required*
- Stainless steel construction – Long life*
- Interchangeable cleaning tools – Versatile*
- Integrated dolly – Easy to move*
- Simultaneous water flush – Removes deposits*
- Foot switch activation – Safe operation*

How Fouling Factors Affect Chiller Performance

In a 400-ton chiller, operating 500 hr/yr @ 50% average load with power cost \$0.1 kWhr, the fouling factors affect performance as follows:

Fouling Factor	% of Efficiency	Money Wasted	% of Electrical Power Required Above Clean Tube Condition
0.0005	100%	\$0	0%
0.0015	94%	\$6,546	11%
0.0025	80%	\$13,093	22%
0.0036	58%	\$19,639	33%
0.0045	36%	\$27,588	44%



Three-Year Limited Warranty

SP[®] C US
Specific Models Only

CE
Specific Models Only

