MAINTAIN OPTIMAL FIRETUBE BOILER EFFICIENCY

RAM-4X and RAM-4X2A – Turbine Action

It doesn’t take long for heavy buildup of scale and soot to form in firetube boilers resulting in wasteful fuel consumption. Thorough and frequent cleaning is necessary to maintain performance and increase efficiency. Both, the RAM-4X and the RAM-4X2A use the same trusted technology as the popular RAM-4 unit to clean larger I.D. boiler tubes. Powerful turbine action does the dirty work. With a variety of brushes and cleaning tools to choose from, these units make any boiler-cleaning operation an easy, one-person job that pays dividends in increased efficiency.

BOILER CLEANING SYSTEMS (NO VACUUMS):

**RAM-4X-60:** Firetube Boiler Cleaner, including mobile dolly, tool storage box and single-direction foot switch ................. $1,995.00

**RAM-4X-2A-60:** Firetube Boiler Cleaner, including mobile dolly, tool storage box and single-direction foot switch ................. $2,395.00

**SPRING FILLED BRUSHES:**

Spring Filled Brushes are recommended for removing heavy scale deposits. The spring bristles dig into the scale, breaking it free from the tube wall.

**SFB-200:** Spring Filled Brushes for tubes 1 3/8", 1 5/8", 2", 2 1/2", or 3" O.D. ................................................. $32.00 ea.

**SFB-300:** Spring Filled Brushes for tubes 2" or 3" I.D. .... $32.00 ea.

**SPECIFICATIONS**

<table>
<thead>
<tr>
<th>Feature</th>
<th>RAM-4X</th>
</tr>
</thead>
<tbody>
<tr>
<td>Motor Power</td>
<td>1 HP</td>
</tr>
</tbody>
</table>
| Input Power              | Standard: 13 amps, 115V, 60 Hz AC  
Optional: 13 amps, 115V, 50 Hz;  
6.5 amps, 230V, 60 Hz; or  
6.5 amps, 230V, 50 Hz |
| Power Supply Cord        | 21', 14-3 GFCI |
| Flexible Shaft Speed     | 1,725 rpm (can be decreased to 862.5 rpm by changing pulley ratio request 2:1 ratio drive for greater torque |
| Dimensions               | 37" high x 20" wide x 17" deep |
| Weight                   | 59 lbs |

Call 1-800-333-7467
Goodway Technologies Corporation
420 West Avenue, Stamford, CT 06902-6384 U.S.A.
Phone: 203-359-4708 • Fax: 203-359-9601 • goodway@goodway.com
www.goodway.com
**BOILER CLEANING SYSTEMS (INCL. VACUUMS):**

**RAM-4X-20-KIT:** Firetube Boiler Cleaner, including mobile dolly, tool storage box, single-direction foot switch, dry pickup attachment, 2" x 12' hose, 18" Straight Bayonet Nozzle (specify diameter), 25' GTC-721G Flexible Shaft, spring filled brush and GTC-540-20SS Vacuum .................................................. $4,850.00

**RAM-4X-2A-20-KIT:** Same as RAM-4X-20-KIT except 2 HP, 230V ........................................ $5,350.00

**RAM-4X-15-KIT:** Firetube Boiler Cleaner, including mobile dolly, tool storage box, single-direction foot switch, dry pickup attachment, 2" x 12' hose, 18" Straight Bayonet Nozzle (specify diameter), 25' GTC-721G Flexible Shaft, spring filled brush and GTC-540-15SS Vacuum .................................................. $4,130.00

**RAM-4X-2A-15-KIT:** Same as RAM-4X-15-KIT, except 2 HP, 230V ........................................ $4,930.00

**RAM-4X-30-KIT:** Firetube Boiler Cleaner, including mobile dolly, tool storage box, single-direction foot switch, dry pickup attachment, 2" x 12' hose, 18" Straight Bayonet Nozzle (specify diameter), 25' GTC-721G Flexible Shaft, spring filled brush and GTC-540-30DD Vacuum .................................................. $4,665.00

**RAM-4X-2A-30-KIT:** Same as RAM-4X-30-KIT, except 2 HP, 230V ........................................ $5,165.00

**RAM-4X-55-KIT:** Firetube Boiler Cleaner, including mobile dolly, tool storage box, single-direction foot switch, dry pickup attachment, 2" x 12' hose, 18" Straight Bayonet Nozzle (specify diameter), 25' GTC-721G Flexible Shaft, spring filled brush and GTC-540-55DD Vacuum .................................................. $4,695.00

**RAM-4X-2A-55-KIT:** Same as RAM-4X-30-KIT except 2 HP, 230V ........................................ $5,195.00

**SPECIFICATIONS**

**RAM-4X2A**

<table>
<thead>
<tr>
<th>Motor Power</th>
<th>2 HP</th>
</tr>
</thead>
<tbody>
<tr>
<td>Input Power</td>
<td>Standard: 11.5 amps, 230V, 60 Hz AC</td>
</tr>
<tr>
<td></td>
<td>Optional: 11.5 amps, 230V, 50 Hz</td>
</tr>
<tr>
<td>Power Supply Cord</td>
<td>21', 14-3 GFCI</td>
</tr>
<tr>
<td>Flexible Shaft Speed</td>
<td>1,725 rpm (can be decreased to 862.5 rpm by changing pulley ratio request 2:1 ratio drive for greater torque)</td>
</tr>
<tr>
<td>Dimensions</td>
<td>37&quot; high x 20&quot; wide x 17&quot; deep</td>
</tr>
<tr>
<td>Weight</td>
<td>75 lbs</td>
</tr>
</tbody>
</table>

**DRY PICKUP ATTACHMENT:**

The GTC-DPA can be used with the RAM-4X, RAM-4X2A, AWT-100 and AWT-100X Tube cleaners for the recovery of dry deposits. After connecting the vacuum (see page 42) the operator simply inserts a special dry application flexible shaft (GTC-721, GTC-721G or GTC-821) through the Dry Pickup Attachment and into the tube. While the operator feeds the rotating shaft through the tube, the cleaning tool breaks up deposits which are immediately pulled into the vacuum drum.

**GTC-DPA:** Dry Pickup Attachment, including 2” x 12’ hose with quick connect fitting (order nozzle below) ........................................ $210.00

**BFN-152S:** Straight Bayonet Nozzle, 18” long for tubes 1 3/8”, 1 5/8”, 2”, 2 1/2”, 3” or 3 1/2” O.D. ........................................ $80.00 ea.

**BFN-152SA:** Straight Bayonet Nozzle, 18” long for tubes 4” O.D. ........................................ $260.00 ea.

Call 1-800-333-7467
Goodway Technologies Corporation
420 West Avenue, Stamford, CT 06902-6384 U.S.A.
Phone: 203-359-4708 • Fax: 203-359-9601 • goodway@goodway.com

www.goodway.com