

The World's Most Popular Firetube Boiler Cleaner

PUT OVER 40 YEARS OF PROVEN PERFORMANCE TO WORK FOR YOU.

SAM-3 – Easy Operation

You might as well be burning money if you're allowing soot to collect in your boiler firetubes. At five times the insulating value of asbestos, just a small amount of soot can cause dramatic heat loss and substantially increase fuel consumption. Now in its 3rd generation, the SAM-3 Firetube Boiler Cleaner removes soot and scale in almost no time, enabling your system to run at optimal efficiency. A cleaning tool mounted to a 26' spring steel tape does the dirty work of loosening soot buildup while an in-line vacuum attachment handles clean-up duties. All you have to do is flip the switch. It's that easy. And yes, it's that efficient.



FEATURES

- > Spring steel tape
- > Auto feed trigger switch
- > Brush travel indicator
- > Interchangeable cleaning tools
- > Simultaneous vacuum to remove deposits
- > Carrying handle and stand

Boiler Cleaning Systems (with Vacuums):

SAM-3-20-KIT
Boiler Firetube Punching Machine, including a 2" x 12' hose, 18" straight bayonet nozzle (specify diameter), brush and GTC-540-20SS SootVac® Vacuum



SAM-3-15-KIT
Boiler Firetube Punching Machine, including a 2" x 12' hose, 18" straight bayonet nozzle (specify diameter), brush and GTC-540-15SS SootVac Vacuum



SAM-3-30-KIT
Boiler Firetube Punching Machine, including a 2" x 12' hose, 18" straight bayonet nozzle (specify diameter), brush and GTC-540-30DD SootVac Vacuum



SAM-3-55-KIT
Boiler Firetube Punching Machine, including a 2" x 12' hose, 18" straight bayonet nozzle (specify diameter), brush and GTC-540-55DD SootVac Vacuum

Note: See Tube Sizes Chart on page 65 for nozzle and brush sizes.

Specification	SAM-3
Motor Power	1/2 HP
Input Power	Standard: 7 amps, 115 V, 50/60 Hz AC Optional: 3.5 amps, 230 V, 50/60 Hz
Tape Length	26'
Power Supply Cord	25', 18-3
Vacuum Hose	2" diameter x 12' long
Dimensions	21 1/2" long (without nozzle)
Weight	38 lbs
Optional Carrying Case	24" high x 28" wide x 9" deep

Deposits and Boiler Performance		
Soot in Boiler Tubes	Heat Loss	Increased Fuel Consumption
1/32"	12%	2 1/2%
1/16"	24%	4 1/2%
1/8"	47%	8 1/2%





Steel Brushes:

Steel brushes are recommended for removing soot and light scale deposits.

GTC-151 Steel Brushes for tubes 1 $\frac{3}{8}$ ", 1 $\frac{5}{8}$ ", 2", 2 $\frac{1}{2}$ ", 3", 3 $\frac{1}{2}$ " or 4" O.D.

FTS Scraper Tools:

FTS Scraper Tools are medium action, spring loaded tools. They are used for removing light scale deposits in boiler firetubes when steel brushes do not remove all deposits. Ferrule extension required.

FTS-200 Scraper Tool for tubes 2" O.D.

FTS-250 Scraper Tool for tubes 2 $\frac{1}{2}$ " O.D.

FTS-300 Scraper Tool for tubes 3" O.D.



Ferrule Extensions:

Scraper tools require ferrule extensions. Select the ferrule extension to match the bayonet nozzle in use.

FE-375 Ferrule Extension for scraper tools when using BFN-152 Short Bayonet Nozzles

FE-2100 Ferrule Extension for scraper tools when using BFN-152S or BFN-152SA Straight Bayonet Nozzles

Note: Scraper tools cannot be used with BFN-152X or BFN-152XA Offset Bayonet Nozzles.

Standard Bayonet Nozzles:

BFN-152 Short Bayonet Nozzle, 3 $\frac{1}{2}$ " long for tubes 1 $\frac{3}{8}$ ", 1 $\frac{5}{8}$ ", 2", 2 $\frac{1}{2}$ ", 3" or 3 $\frac{1}{2}$ " O.D.

BFN-152S Straight Bayonet Nozzle, 18" long for tubes 1 $\frac{3}{8}$ ", 1 $\frac{5}{8}$ ", 2", 2 $\frac{1}{2}$ ", 3" or 3 $\frac{1}{2}$ " O.D.

BFN-152SA Straight Bayonet Nozzle, 18" long with ferrule extension for tubes 4" O.D.

BFN-152X Offset Bayonet Nozzle, 18" long for tubes 1 $\frac{3}{8}$ ", 1 $\frac{5}{8}$ ", 2", 2 $\frac{1}{2}$ ", 3" or 3 $\frac{1}{2}$ " O.D.

BFN-152XA Offset Bayonet Nozzle, 18" long with ferrule extension for tubes 4" O.D.

Note: Contact factory if longer Straight or Offset Bayonet Nozzles are needed for your application.

Note: When ordering bayonet nozzles or brushes, specify part number and size according to the table (order by tube O.D.). Bayonet nozzle and brush diameters will fit tube I.D.

Carrying Case:

SC-682 Carrying Case for SAM-3 Boiler Firetube Punching Machine and accessories



SC-682
Carrying
Case

Tube Sizes	
Standard Boiler O.D. Size	Approximate Boiler I.D. Size
1 $\frac{3}{8}$ "	1 $\frac{1}{4}$ "
1 $\frac{5}{8}$ "	1 $\frac{1}{2}$ "
2"	1 $\frac{3}{4}$ "-1 $\frac{7}{8}$ "
2 $\frac{1}{2}$ "	2 $\frac{1}{4}$ "-2 $\frac{3}{8}$ "
3"	2 $\frac{3}{4}$ "-2 $\frac{7}{8}$ "
3 $\frac{1}{2}$ "	3 $\frac{1}{4}$ "
4"	3 $\frac{3}{4}$ "