MidSouth Power Equipment Company offers one of the industry’s best cleaning tools with our MS-220E Electric Long Retractable Soot Blower. Featuring a retractable lance that extends up to 20 feet is ideal for cleaning packaged boilers, small industrial boilers and oil-fired heaters. This retractable soot blower is a duplicate of the Copes-Vulcan Model T-20E. All parts are interchangeable.

How It Works
The MS-200E uses air, saturated or superheated steam as a blowing medium keeping your equipment clean and in top operating condition. The blowing pressure can be easily adjusted by a screw mounted on the units mechanically operated head.

A single electric motor built especially for MidSouth Power Equipment Company moves the MS-220E lance in and out of the boiler. The motor has non-ventilated, three-phase moisture resistance and high constant torque. It is totally enclosed and protected by class B insulation. A single chain is used to both traverse and rotate the lance. Standard operating speed of 6.5 fpm traversing and 6.5 rpm rotating allows the soot blower to clean the boiler or heater with minimal whip and less wear. For travel 13 feet, an optional speed of 4.4 fpm and 8 rpm is also available.

The MS-220E wiring from the limit switches and the motor terminate at a disconnect type terminal block in a NEMA 4 integrally mounted junction box. We also offer an integrally mounted motor starter cabinet (with or without disconnect circuit breaker, with external handle) of NEMA 3 or NEMA 4 construction. Using this power setup, the limit switches, motor and motor starter are factory-wired to a disconnect-type terminal block mounted in the starter cabinet. Plug-in type disconnects are also available.

By adding an additional limit switch, the MS-220E becomes a MS-220ES sequential retract, which enables it to automatically start the next electric motor operated blower in sequence.

Reliable and long-lasting, the MS-220E is designed for easy maintenance and a long life, with parts enclosed in a heavy-gauge steel housing to protect them from damage. Other reliability features include:
- Chain drive that resists corrosion and is pre-lubricated to limit friction.
- Blowing medium valve with positive direct mechanical action and no internal threads to wear or corrode.
- Pre-lubricated traveling cartridge that requires no oiling.
- Flanged connection between lance and carriage.
- Stainless-steel feed pipe ground and polished to prevent binding and wear.
- Feed pipe and lance with no hidden parts that might clog or corrode and inhibit the flow of steam.

The MS-220E cleans hard-to-reach areas inside boilers and heaters. It is:
- Easy to operate
- Less expensive
- Built to last

Special Features:
- Operates indoors or outdoors in all climates.
- Can be used as a non-rotating blower for cleaning air heaters.
- Mounts vertically or horizontally. (Vertical mount requires a brake.)
- Full one-year warranty on parts and labor (see terms and conditions).
### PRODUCT SPECIFICATIONS

**Housing**
- 3/16 Cold Rolled Steel

**Motor**
- .75 HP 230/460V three-phase, 60 Hz, 865 RPM, TENV, Class F, Insulation for 55°C Rise/65°C AMB

**Lance**
- 2 3/8" Alloy Steel, 1/4 Chrome, 1/2 Molybdenum

**Feed Tube**
- Type 304 Stainless Steel

**Nozzle Head**
- Stainless Steel

**Head**
- Carbon Steel, ASTM A216 Grade WC-B

**Poppet Valve**
- Type 420 Stainless Steel (pre-hardened)

**Seat**
- 410 Insert

**Chain**
- RC-60H 3/4" Pitch, Pre-Stressed

**Lubricant**
- 630 AA

**Limit Switches**
- Heavy-Duty, NEMA 4 or NEMA VII Enclosures

**Junction Box**
- NEMA 4

**Wiring**
- #14 AWG

**Sheath**
- Anaconda

**Paint**
- Red Enamel