

Model	Discharge Pipe Size	Capacity
SMA3-A	3" (75mm)	up to 300 gpm (1,140 liters/minute)

- Handles mud, leaves, twigs, sand, sludge, mill-scale, bilge-gunk, sewage and trash-laden water typically confronted by utility companies, contractors, municipalities and most industries.
- Also handles most substances common to the chemical process, marine, mining, paper pulp and petrochemical industries... even handles small solids.
- Powered by a compressed air powered motor with easily-adjusted variable flow and pressure control.
- Can run dry without damage.
- Automatic internal lubrication; requires only 1 pint (.47 liter) of oil every 50 hours of operation.
- Up to 65-ft (19.8 meters) shut-off head.
- Self-priming. Submersible when exhaust air is piped above surface. No suction hose needed.
- Weighs just 59 lbs. (26.55 Kg.) Only 23" high (575mm).
- Fits through openings as small as 14" diameter (350mm).

User benefits of air-powered SludgeMaster are varied and unique.

- **Immediate use:** simply hook up compressed air supply, lower through manhole or into sump or fluid to be pumped. No fuel tanks to run empty, no gas cans to carry, no electrical connections, no electric motors to overload.
- Self-priming.
- Pumps practically anything that will flow.
- High capacity, low head operation to meet nearly every emergency or daily-use application.
- Keeps pumping without clogging on most problem jobs. Won't choke up on small trash. Can run dry with no damage.
- Fool-proof design: open two-vane low-speed trash-type cast iron impeller handles abrasive substances with less wear.
- Continuous automatic lubrication: internal oiler, oil-bath-lubricated shaft seal; needs only 1 pint (.47 liter) every 50 hours of use.
- Built-in speed-limiting governor prevents damage to pump if run dry for extended periods of time.
- Self-draining to prevent damage in below-freezing weather.
- Sturdily built for rough handling and long-life endurance on land, at sea or offshore: cast iron & steel for wear, aluminum for weight-saving.

Submersible SludgeMaster™

Air-Powered Pump

Model SMA3-A

*Quality System
ISO9001 Certified*

*Environmental
Management Systems
ISO14001 Certified*



SMA3-A

SludgeMaster™ High Performance Features

Powered by 2½hp Gast 6AM direct-drive air motor. Cast iron, vane-type. Independent of pump. Complete motor replacement costs less than repairs for many other pumps.

Air-inlet: ½" (12.5mm) NPT fitted with universal hose coupling (hidden from view in this photo). Flow speed easily adjustable.

Exhaust muffler for quiet operation (hidden from view in this photo).

Completely sealed aluminum housing encloses all mechanical parts.

3-inch (75mm) NPT female pipe thread discharge.

Trash-type, plated steel strainer... with ½" square openings...easily removed for access to lower wear plate and impeller. Optional screen available to reduce solids-handling to ½" (12.5mm) diameter.

Carrying handle.

Large built-in air filter.

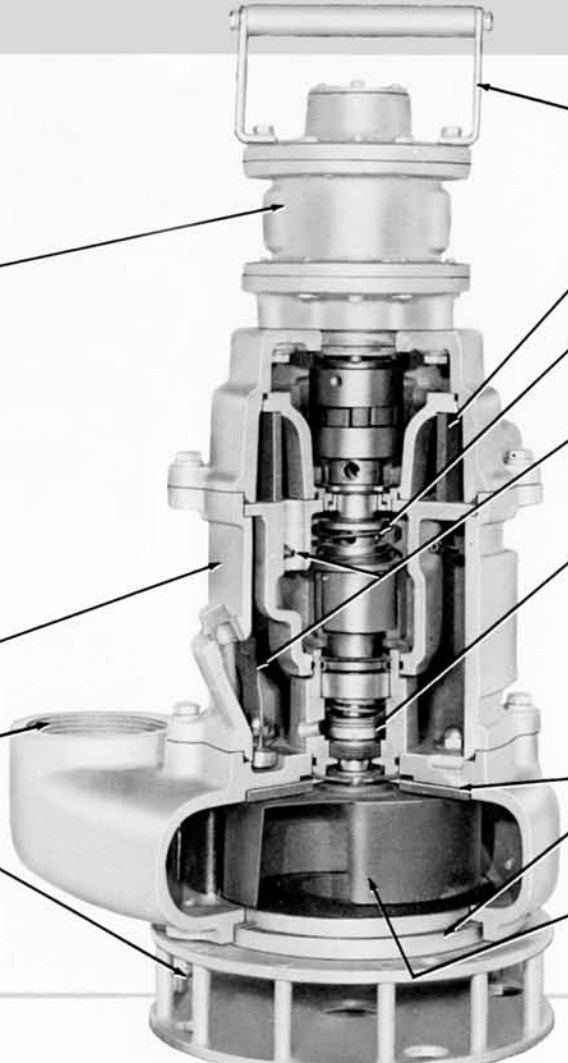
Built-in speed-limiting governor prevents damage if pump runs dry for extended periods of time.

Automatic oiler dispenses proper amount of lubricant into air stream; eliminates need for an external oiler.

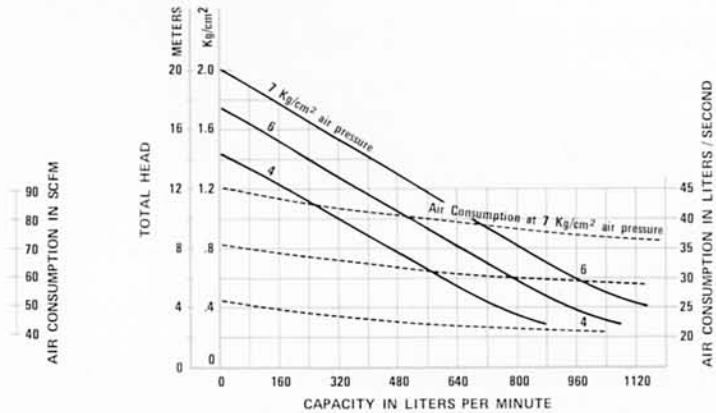
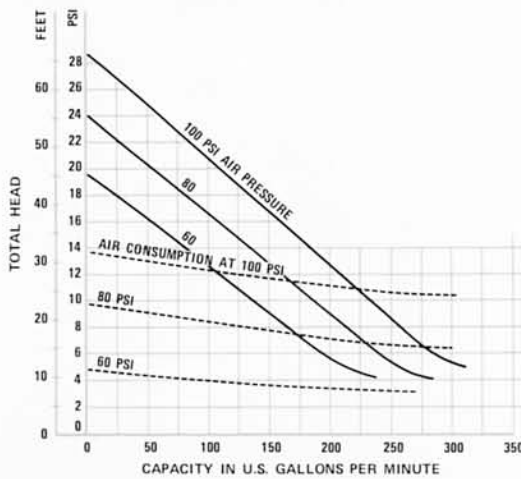
Face-type mechanical shaft seal operates in 1-quart (.95 liter) of oil under full-line air pressure. Oil pressure at seal always exceeds pressure of pumped liquid thus provides a clean oil environment at seal for long life even under abrasive conditions. Should seal failure eventually occur, unique seal design prevents entrance of pumped liquid and any further damage.

Replaceable wear plates on both sides of impeller are made of iron and steel for maximum wear resistance.

Two-vane trash-type open impeller of cast iron for wear and impact resistance; can be removed without disturbing seal.



Performance Curves



WARREN RUPP, INC.
A Unit of IDEX Corporation
800 North Main St.
P.O. Box 1568
Mansfield, Ohio 44901-1568
419-524-8388
Fax-419-522-7867
www.warrenrupp.com

DISTRIBUTED BY: