







Cutaway Pump & Features

Grease inlet and automatic relief

Cooling fan

Dynamically balanced rotor

Class "F" insulation with class "B" temperature limit

Oversize thrust bearing (locked for no end play)

Corrosion-proofed bolts and tappings

Stainless steel shaft through the mechanical seal, with maximum 6 " (150 mm) overhang

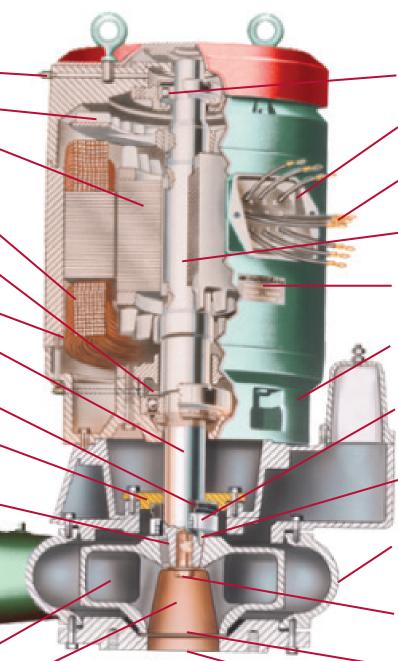
Buna N "O" rings

Bronze mechanical shaft seal cartridge with special heat dissipating design

Keyed and tapered shaft for positive lock and easy impeller removal

Heavy, cast iron balanced impeller

Streamlined impeller eye (passes 3" / 75 mm sphere)





Guide bearing (self-metering design prevents overgreasing)

Cast conduit box with gasketed cover

Sealed and permanently indexed motor leads

Oversize, heavy duty motor and pump shaft

Stainless steel name and motor data plate

One piece back head and motor adaptor

"Diamond-hard" rotating ceramic rings

Low friction, long wearing, stationary carbon rings

Heavy cast iron pump casing designed to reduce the radial load

Stainless steel "nylock" self locking impeller cap screw

Close-tolerance impeller front head clearance to prevent recirculation

Close tolerance machined fits for interchangeability of pump parts without use of shims

HIGHEST EFFICIENCY.

New STAR ONE™ S&L Non-Clog Pumps Add 3-5%



No Confined Space Entry; Operator Ease

MOST RELIABLE.

Anti-Clog Solutions; Easy to Maintain

LONGEST LIFE.

Durable Equipment; Decades of Service



Our vertical, close-coupled **STAR ONE™** S&L Non-Clog Pump design meets the highest of standards that promote superior efficiency, durability and ease of maintenance, including the 10 States Standard for 3" (76 mm) solids. Its rugged design, featuring exclusive oversized, stainless steel pump shafts and bearings, will typically deliver service for more than 20 years with basic care. The STAR ONE™ construction streamlines access to the volute, impeller and seal merely by removing four to eight cap screws from the connecting motor adapter on the station base in just a few minutes without any spillage.

S&L Non-Clog Pumps

Visit SmithandLoveless.com/Pumping

STAR ONE™ Non-Clog Pump Specifications

Individual Pumps: Piping: Power (Ind. Pump): Max. Ind. Pump Capacity: Max. Ind. TDH Capacity:

4"-12" / 100-300 mm 4"-30" / 100-750 mm 1.5-300 Hp / 1.1-225 kW 5,000 gpm / 350 lps 255 ft. / 78 m

- 2, 3 or 4-Pump Designs Parallel or Series Operation
- Multiple Control Options PLCs to Relay Logic







Exclusive S&L single-port impeller design proven to prevent pump clogging; effectively expels high volumes of consumer flushables

