



# STONEBOR PUMP

McFarland Pump Group

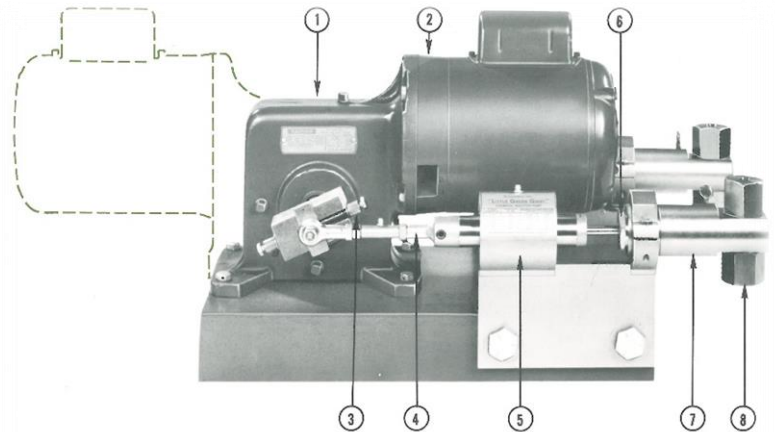
**STONEBOR Model B**

**Electric Drive  
Chemical Injection Pump**

**Flow Rate up to 1800 GPD | Pressure up to 4,000 PSI**

The STONEBOR Electric Pumps **MODEL B**

- Designed for continuous or intermittent pumping of small volumes of chemicals and corrosive fluids.
- The MODEL B is furnished as simplex, duplex, triplex and quadruplex, mounted on fabricated steel base, driven by a common electric motor and gear reducer.
- A power cylinder may be substituted for the motor and gear reducer, employing air or gas pressure as the power source.
- Easily adjusted volume output



*The dotted line shows how the pump and gear reducer may be reversed in installation to facilitate wiring.*

## FEATURES

1. **Gear reducer.** Heavy-duty, roller-bearing, oil-bathed gear reducer will give years of trouble-free life.
2. **Electric motor.** Standard NEMA 56 C frame electric motor available in explosion-proof, TEFC, and open frame; single phase 110/220 volt or 3-phase 208-220/440 volt.
3. **Stroke adjustment.** The stroke length can be adjusted from 0-1 1/2" to vary the volume output from 0 to the maximum shown for a particular plunger size.
4. **Crank and crosshead bearings.** Heavy-duty, spherical, self-aligning roller bearings are used on both crank and crosshead. Connecting rod is provided with grease fitting for lubricating bearings.
5. **Crosshead.** Fabricated steel cross head housing contains a replaceable bronze Oilite bushing. Bushing and grease seals are contained in crosshead housing with steel snap rings.
6. **Packing adjustment nut.** Packing adjustment is accomplished by use of a simple hex-headed, brass nut.
7. **Pump barrel.** Fabricated of 300 Series stainless steel, the pump barrel contains both suction and discharge check valves. An air bleed screw is provided on top of barrel. A preset pressure relief valve can be furnished when specified.
8. **Suction and discharge check valves.** Both the suction and discharge check valves are unitized cartridges which contain a poppet, soft and hard seat, and spring. All materials are stainless steel and Viton or Buna-N.

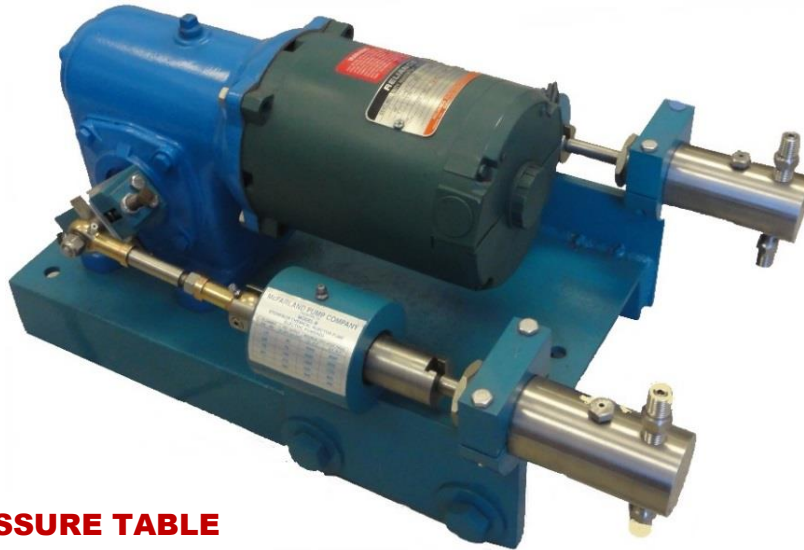
## DIMENSIONS

23" Length x 14" Width x 12" Height

**STONEBOR PUMPS**

**The Maximum in Efficiency  
The Minimum in Maintenance**

# STONEBOR **MODEL B** ELECTRIC DRIVE CHEMICAL INJECTION PUMP



## CAPACITY & PRESSURE TABLE

SIMPLEX		DUPLEX		Plunger Diameter	Stroke	Discharge Pressure		Speed (Stroke/Min)
Model	Capacity(GPD)	Model	Capacity(GPD)			1/2" HP	3/4" HP	
B-S-250-A	3-25	B-D-250-A	6-50	1/4"	1.5"	4,000	4,000	69
B-S-375-A	7-60	B-D-375-A	14-120	3/8"	1.5"	2,000	3,000	69
B-S-500-A	12-125	B-D-500-A	24-250	1/2"	1.5"	1,200	1,750	69
B-S-750-A	27-250	B-D-750-A	54-500	3/4"	1.5"	525	800	69
B-S-1000-A	50-500	B-D-1000-A	100-1000	1"	1.5"	300	490	69

## MATERIALS OF CONSTRUCTION

Pump Body . . . . . 300 Series stainless steel  
 Pump Barrel . . . . . 300 Series stainless steel  
 Packing Adjustment Nut . . . Carbon steel, electrolysis nickel-plated  
 Plunger . . . . . 17-4 PH  
 Packing . . . . . Teflon\*, Buna-N, Special 805 packing (specify)  
 Check Valves . . . . . 300 Series stainless steel  
 Check Valve Seals . . . . . Viton or Buna-N  
 Pump End Connector . . . . Carbon steel, electrolysis nickel-plated

Fluid ends are available in 316 SS, Carpenter 20, Hastelloy B&C, and Monel on special order.

### Weight

Simplex pump complete with motor— 110 lbs.  
 Duplex pump complete with motor— 130 lbs.

### Multiple Arrangements

As many as four pumps can be accommodated on a common base powered by a single motor and gear reducer.

## APPLICATION

- Plant Operations
- Research
- Oilfield Applications
- Refineries
- Water Treatment for boilers
- Injection of precise small volume



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