

**Mud Sucker®
Diaphragm Pumps**

4B Series

Severe Duty - Professional
Diaphragm Pumps

4B-EC™

4B-M™

FEATURES

4" Connection size

Pump up to 110 GPM

Transfer spherical solids up to
2 1/4" or 50% by volume

Pump up to 50' vertical or 300'
horizontal

14 3/4" heavy duty diaphragm

Multiple drive options and
industry specific components



Shown: Mud Sucker 4B-EC Series with optional
air chambers to reduce water hammer.

Performance Range

Max. capacity	110 GPM
Max. suction lift	25' vertical or 75' horizontal
Max. discharge head	50' vertical or 300' horizontal
Solids handling	2 1/4" dia or 50% by volume

Pump and Motor Specifications

Suction inlet/outlet size	4"x4" NPT
Max. liquid temperature	210 °F (99 °C) continuous
Pump body casing	Cast iron (ASTM A48, Class 30-35)
Diaphragm	14 3/4" dia thermoplastic elastomer (red) Severe duty -25 °F to 212 °F Optional: Neoprene
Ball valves	5-1/8" diameter polyurethane with steel core
Gearbox	Helical bevel parallel gear reducer, SEW Eurodrive or equal
Valve seat	Cast iron (ASTM A48, Class 30-35) Optional bronze or stainless steel
Sampling valve	1" bronze quick opening sampling ball valve
Pump rod	CR steel x 14 1/2 L

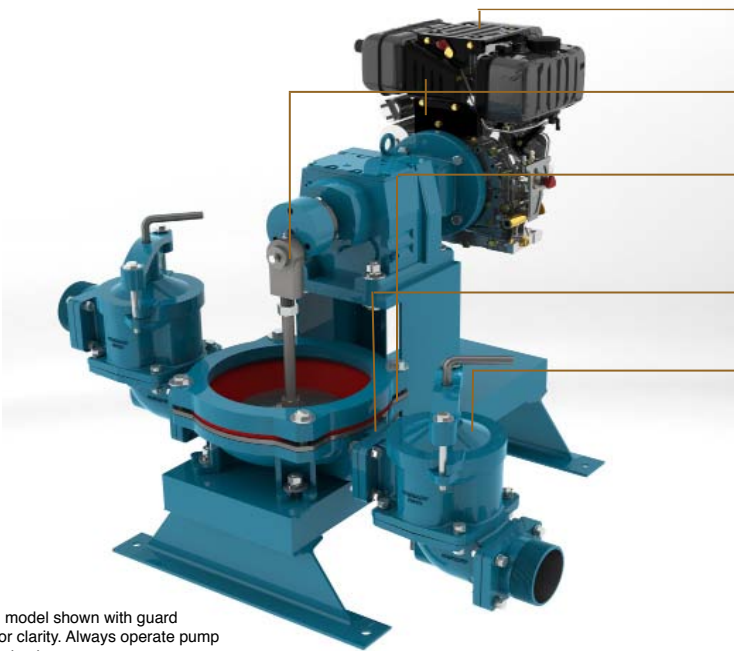
Motor Options

Electric Driven

- 7.5HP; 1Ph; 60Hz; 115/208-230V; 1800RPM TEFC constant speed helical gearmotor
- 7.5HP; 3Ph; 60Hz; 230-460V [or 360-575V]; 1800RPM TEFC constant speed helical gearmotor
- 7.5HP; 1Ph; 60Hz; 115/208-230V; 1800RPM EPFC motor (Class I; Div I; Group C&D; Class II; Div I; Groups F&G) connected to a constant speed helical gearmotor [Customer to confirm NEC explosion proof rating required]
- 7.5HP; 3Ph; 60Hz; 230-460V [or 360-575V]; 1800RPM EPFC motor (Class I; Div I; Groups C&D; Class II; Div I; Groups F&G) connected to a constant speed helical gearmotor [Customer to confirm NEC Explosion Proof rating required]

Engine Driven

- 9HP; 3600RPM; electric start (Wastecorp, Honda GX270 or equivalent) gas engine
- 9HP; 3600RPM; electric start (Wastecorp, Yanmar L100V, Kohler KD400D or equivalent) diesel engine



Premium drive systems from the industry's top rated manufacturers

Heavy duty crank arm designed to pump the tough stuff at 110 GPM (max).

Exclusive Wastecorp engineered contoured velocity channel to move fluids without clogging

Heavy duty cast iron pump body for unmatched durability

Valve chambers crush solids or make slurries easier to pump.

Diesel pump model shown with guard removed for clarity. Always operate pump with guards in place.

Professional Options for Professional Applications.



In-line Piping Design



Air Driven



Three Phase Electric



Dolly Mounted



Trailer Mounted



Mud Sucker® Diaphragm Pumps
 Toll-Free: 1.888.829.2783 Email: info@wastecorp.com
 Website <http://www.wastecorp.com>