

AFI HORIZONTAL CHOPPER PUMPS

DODA[®]





AFI HORIZONTAL CHOPPER PTO PUMPS

The AFI Pump is a high-pressure chopper pump which can be mounted on a tractor or connect to a direct power source. Vanadium and manganese alloy chopper blades chop the slurry prior to pumping, allowing for fuel efficient, block free operation. An oil cooling system keeps the gearbox cool even in heavy and prolonged conditions, resulting in the most efficient, low maintenance agricultural pressure pump on the market.

PATENTED CHOPPING SYSTEM

The patented chopping system consisting of two static and one rotating chopper blade handles the most challenging solids. Blades are made of a special vanadium and manganese alloy for durability. The waste then passes to the high speed impeller system that utilizes an adjustable pressure plate that chops the waste again. The system is an open impeller system allowing it to handle the most difficult waste.

Doda pumps chopping feature assure the waste is properly conditioned assuring less plug ups in the field when being injected or irrigated.

INTERNAL CHECK VALVE

The intake (suction) cone has an internal check valve built in that holds the pump's prime during periodic shutdowns allowing startup without repriming again.

Intake cones are available for six inch and eight inch suction hoses. Adapters are also available for connecting AFI pumps directly to storage unit.

POWER PRIMER SYSTEM

Doda's power priming system assures fast priming from deep depths and works great with thick slurries. Power Primers are available in belt drive, hydraulic drive, 12 volt drive and single/ three phase electric motor options.

AFI PUMP FEATURES

- > Unique stone/debris protection system
- > Mechanical seal is separate from the gear box to eliminate contamination
- > Stainless steel or nodular cast iron housing, not welded
- > Adjustable pressure plate and special impeller for secondary chopping
- > Internal check valve on suction cone allowing startup without repriming
- > Pedestal models setup for direct power source (electric, diesel, hydraulic)
- > Vertical head pressure of up to 450 ft or 200 PSI
- > Heavy duty gear boxes are available in 540 or 1000 RPM with a variety of gear ratios
- > Heavy duty PTOs with shear bolts are standard
- > Chrome plated shaft at seal system location
- > Two-wheel trailer or a two-point hook up are available to attach pump to tractor

SEAL SYSTEMS

Doda's tungsten-carbide seal system is long lasting and the pump support separates the pump from the gear box. In the unlikely event of a seal failure the gear box is safe. An Oil Bath Seal System is now available. Should pump lose its prime and is unattended the seal system will not be damaged.

DISCHARGE OPTIONS

Tee Manifold with one or two valves is popular for agitating and loading transport units. Simply switch from valve to valve while pump is running.

Doda's Two Way Valve allows you to discharge off either side of the pump and its design is fail safe if pump is left unattended for long periods. The unique design utilizes the pumps pressure to keep one side of the valve shut while discharging out of the other. This valve cannot be switched when the pump is running.



PATENTED CHOPPING SYSTEM



INTERNAL CHECK VALVE



POWER PRIMER SYSTEM



DODA TWO WAY VALVE



AFI L20



AFI L25



AFI L27



AFI L35



AFI L45



All Doda AFI Pumps can be set up as vertical pumps if required or desired. Floating units are also available in electric versions.

Doda USA Inc. carries a large variety of hose, coupler, valves, clamps and other items for your waste handling needs.

Need some advice or a second opinion on how to deal with your waste handling issues? Give us a call and we will gladly assist you in any way, including on-site consultations and helping with your design setup.

AFI HD PTO PUMPS

Doda Horizontal HD PTO Pumps have the same great features as all Doda AFI Horizontal Pumps.

- > Specially designed for extremely heavy duty applications, requires a minimum 200 HP
- > Oil cooled gear box is standard
- > Extra heavy duty undercarriage supplied as standard equipment
- > eight inch or 10 inch suction intake required
- > Super duty PTO supplied as standard equipment (1000 RPM only)
- > Power primer system is supplied as standard equipment
- > Ideal for umbilical systems or long irrigation runs
- > Designed for continuous duty



SPECIAL GEAR BOX

Allows you to adapt to most power sources.

AFI PEDESTAL PUMPS



Doda Horizontal Pedestal Pumps have the same great features as the PTO models and are set up for a direct power source. Other features include:

- > Pedestal pumps, drive shaft and bearings are in oil bath
- > Power primer is available in hydraulic and electric versions
- > Doda Pedestal Pumps can connect to diesel, gas, electric or hydraulic motors

Visit dodausa.com to check out our other waste solution products.

Doda USA offers specialized equipment built stronger to execute your agricultural waste handling needs. We approach our sales, installations and on-going maintenance plans with a hands-on approach, making us a trusted partner for your operation to produce.

BUILT STRONGER. LASTS LONGER.

