

TW50 & TW 25 Drive Assembly



Features :

- Compact and solid design.
- Vane pump retarder type.
- No additional mechanism for brake engagement or adjustment.
- Synthetic oil used for long service life even in hot or cold conditions.
- Backspin retarder driven by main shaft, non-dependant on belts or gears.
- Stand pipe used to eliminate bottom oil leaks.
- Easy maintenance and minimal training for the personnel.

Dual Pack Stuffing Box



Features :

- Integrated structure
- Dual packing for reliable sealing
- Solid compact design
- Troublefree operation for many applications
- Flanged connections for well installation

Integrated Pumping Tee (IPT)



Features :

- Integrated structure for Flow Tee with BOP
- Eliminates the polished rod misalignment problems
- Solid compact design
- Advanced ram design to provide a reliable seal on the polished rod or completely blind the well
- Threaded connections for outlet and flanged connection for wellhead and drive unit.

Centralizers



Features :

- Reduces wear on tubing in deviated wells
- Rotor Interchangeable Between 1" and 1-1/8" couplings
- 4340 Heat-Treated Stress-Relieved Mandrel with Rolled Threads
- Field Replaceable Nylon Rotor

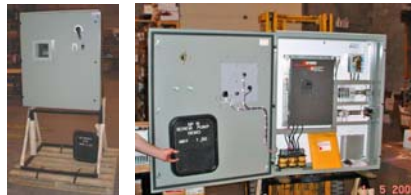
Torque Anchor



Features :

- Used to take the reactive torque given by the friction between the rotor and the stator of the pump with progressive cavities, to prevent the tubing from unscrewing.
- When the tubing rotates clockwise, the anchoring blades bite into the casing wall whenever a reactive torque is developed. Disengaging is done rotating the tubing counter-clockwise from the surface.
- Uses the principle of a mandrel with three cams pushing out the anchoring blades, mounted in a case. The blades are permanently pushed and kept in touch with the well casing wall by means of helicoidal springs. The oil pumped is passing through the central hollow shaft [1] onto which the cams are mounted.
- Mounted below the PC Pump.

VFD – Variable Speed Power Output



Features :

- Each control panel has the following features/equipment :
- Enclosures are NEMA 3R type with rain drip shields, and protected venting for the heat sinks. The VFD is mounted in a through panel configuration to bring the heat sinks out the rear of the panel. The heat sinks are then protected by a weather proof cover, with a winter/ summer flap which can be opened or closed depending on the season. The VFD is a Control Techniques SK & has easy to program keypad mounted on the drive unit.
- A line reactor is include to help protect the VFD for line surges and to reduce harmonic distortion. An input disconnect breaker with through door interlock is installed, along with a thermostatically controlled heater for cold weather operation, 110 volt control power transformer and control circuit breakers, restart timer, customer terminals for optional interlocks, operator control on door are heavy duty 30 mm type with tamper proof lockable cover. Units are completely assembled, tested and CSA inspected prior to shipping.
- Available in the Following Standard Sizes :
7.5 KW (10 HP), 11 KW (15 HP), 15 KW (20 HP),
18.5 KW (25 HP), 22 KW (30 HP), 30 KW (40 HP), 37 KW (50 HP)

(Additional sizes may be available upon request),

Progressing Cavity Pumps

Canam Pipe & Supply also offer a wide range of Progressing Cavity Pumps (PCP) in both the “Standard” and the “EvenWall” design as part of our complete line of PCP equipment and assemblies.

Progressing Cavity (PC) Pumps are a widely accepted means of artificial lift; with high production, lift capacity, and system efficiency being a few of the major benefits over other oil and water pumping systems. The ability for PC pumps to handle sand and viscous fluids make them the best solution for heavy oil production and the high gas oil ratio tolerance is beneficial in pumping mixtures of sand, oil, gas and water.

PC pumps are comprised of two parts - a helical shaped steel rotor and a stator. The rotor, which is the rotating internal component of the pump, is normally driven by a rod string. It is precision machined from high strength steel and coated with a wear resistance layer, such as chrome. The stator is attached to the production tubing string and remains stationary during normal operation. It consists of a molded elastomer permanently bonded to the inside of a steel tube. As the PC pump operates, cavities formed between the stator and rotor move fluid upward in a non-pulsating action from the intake to the discharge of the pump. Pressure builds linearly from the intake to the discharge of the pump providing the necessary lift to produce fluid to surface.

