

# TFC Pumping Solutions

## Jet Pump Power Fluid Injection, SWD, Water Flood Injectors and Fluid Transfer

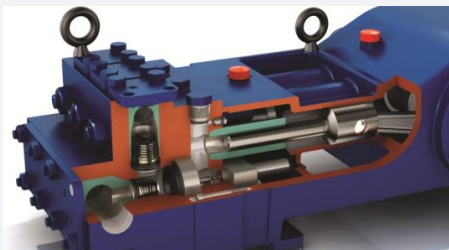
Tech-Flo's production pump product line can meet all of your hydrocarbon, water and petro-chemical pumping demands. In addition to the TFC jet pump product line, our ancillary equipment enables us to accommodate all pumping needs and operating conditions. We offer a wide range of pumping solutions for all oil field and industrial process applications.



### HORIZONTAL SURFACE PUMPS

Horizontal Surface Pumps offer a cost effective alternative for disposal and injection well applications. With a pump that was initially built to be run in the harshest of downhole conditions, the horizontal ESP is a great surface pumping option. These pump systems are designed for years of operation, worry-free maintenance and ongoing reliability.

- Simple maintenance and operation with low noise and vibration levels
- Rates and pressures up to 6000 psi and 60,000+ bpd
- When used for multi-well jet pump installations, the multistage horizontal pump can drastically decrease the per well capital expense.



### WANNER ENGINEERING HYDRA-CELL "SEAL-LESS" PUMP TECHNOLOGY

No matter what the application, the Hydra-Cell Diaphragm Pump is built tough to get the job done without the constant worry about pump failure and costly repairs. The seal-less design eliminates leaks, hazards and the expense associated with seals and packing. With the Wanner design there is no plunger lubrication system required.

- Pump can run dry without valve damage and features excellent solids handling capabilities.
- Rates and pressures up to 5000 psi and 3400 bpd and low NPSH requirements
- 10 hp to 100 hp product line selection



### MULTIPLEX RECIPROCATING PUMPS

The Multiplex Reciprocating Pump is a traditional horizontal, packed plunger pump designed to basic compliance of API 674. It features pressure ranges from 500 psi to 30,000 psi and flow ranges in excess of 20,000 bfpd. This reciprocating pump has over 25 input horsepower ratings from 5 to 600 hp. Temperature ranges extend from cryogenic to 500° F.

- Different plunger sizes can handle a wide range of pressures and flow rates.
- Operational spares are widely available worldwide through OEM suppliers.
- Several different plunger, valve and packing materials may be applied for pumping variable media and fluids.

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