

DISCFLO ACHIEVES
HIGH QUALITY
THROUGH
**INNOVATIVE
TECHNOLOGY**



NO CLOSE TOLERANCES

The Disc pump is not a centrifugal pump, positive displacement, gear or lobe pump. Unique in design, the Disc pump bridges the performance gaps of conventional pumps and is capable of out-performing all of them in many applications.

NO RADIAL LOADS

The Disc pump uses a new and patented technology that isn't available in any other pump. The technology of the Disc pump harnesses the natural power of the boundary layer and viscous drag.

NO IMPINGEMENT

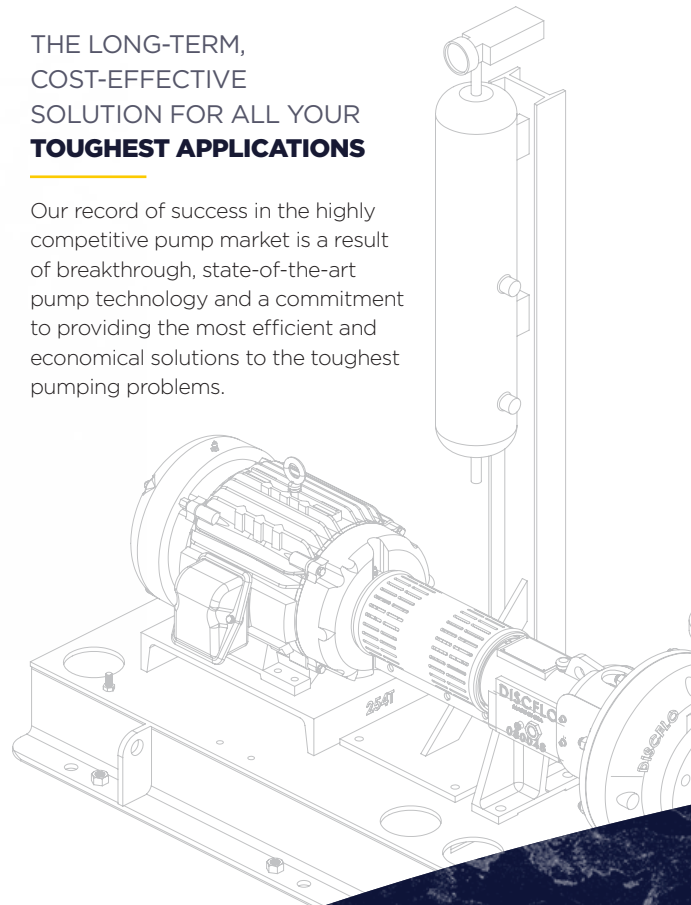
Boundary Layer: a boundary layer of fluid molecules collects and rotates with the discs. This creates a natural, protective buffer that separates the pump from the fluid.

NON PULSATING/LAMINAR FLOW

Viscous Drag: Through Viscous drag, the fluid is pulled through the pump without impingement. The boundary layer attracts and drags successive layers of fluid molecules into layered flows of parallel streams. This is the simple principle of viscous drag and in the Disc pump it is a powerful dynamic force that "pulls" the fluid through the pump in a smooth laminar, non-turbulent flow.

THE LONG-TERM,
COST-EFFECTIVE
SOLUTION FOR ALL YOUR
TOUGHEST APPLICATIONS

Our record of success in the highly competitive pump market is a result of breakthrough, state-of-the-art pump technology and a commitment to providing the most efficient and economical solutions to the toughest pumping problems.



DISCFLO PUMPS

WHY DISCFLO?

Discflo's success lies in the ability to effectively pump highly abrasive and viscous material, saving you thousands on Life Cycle cost!

CONNECT WITH US

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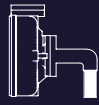


DISCFLO PUMPS ARE TOUGH

In SEVERE APPLICATIONS where abrasion, viscosity, entrained air, excessive wear and corrosion problems wreak havoc on pump systems and degrade products, Discflo has developed a superior alternative that dramatically reduces pump wear, is virtually clog free and prevents product damage. Discflo's pumps have been solving the pumping problems of the general industry for over 30 years. The powerful combination of superior abrasion resistance, gas-entrained pumping ability and nonemulsifying laminar flow, make the disc pump the ideal choice for some of the toughest applications.



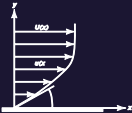
DISCFLO ADVANTAGES



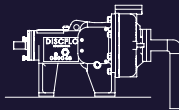
NO PULSATION



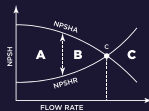
LONGER SEAL LIFE



LAMINAR FLOW



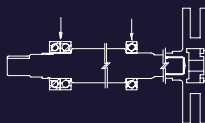
HIGH SUCTION LIFE CAPABILITY



VERY LOW NPSH



EXCELLENT MEAN TIME TO REPAIR (MTTR)



NO RADIAL LOAD



EXCELLENT MEAN TIME BETWEEN FAILURE (MTBF)

MORE ADVANTAGES:

- Laminar flow
- Very low pulsation
- Very Low NPSHR
- No radial load
- Longer seal life
- High suction life capability
- Excellent Mean Time To Repair (MTTR)
- Excellent Mean Time Between Failure (MTBF)
- No degradation or maceration of product
- Lack of vibration due to gas or air entrainment
- Little to no downtime or necessary repairs
- Handles cavitation with little to no pump damage
- Extremely easy handling of small and large solids

PUMPING APPLICATIONS:

- Heavy and Extra heavy crude oil
- Raw crude oil with fine sand
- Recovered Condensation
- Oil with water
- Deep Sea riserless mud
- Drilling mud
- De-silter, mud charging, mixing
- Tank bottom sludge
- Sand slurry
- Produced water
- Coke fines
- Fly ash

WHAT SETS US APART

Our unique **DISCPAC TECHNOLOGY** offers trouble-free pumping, handling heavy crude oil and the most abrasive grit and sand without clogging.



NON-IMPINGEMENT LAMINAR FLOW

The non-impingement and laminar flow pumping of the Disc Pump is similar to flow through an ordinary pipe. The layers of fluid at the walls are stationary (relative to the rotating discs), creating a protective boundary layer. Viscous drag pulls layers into flows of smooth laminar streams.

