SHUTTLE BLOCK PUMPS

SERIES D-SL

- **Unique pumping principle** - a combination of Rotary and Piston pump- two double acting pistons in their respective cylinders at right angles to each other.

- Rotation of rotor causes reciprocating movement of shuttle and piston.

- Self priming

- Single shaft design with long sleeve-bearing support and external ball bearing.

- Single gland construction reduces leakage to minimum.

- Choice of Mechanical seal and oil seals available.

- Specially designed for transfer applications.

- Front pull out design permits inspection of parts without disturbing the pipe connection, couplings or prime mover.
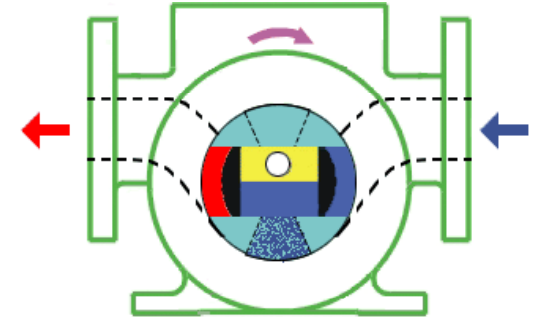
- Slow speed operation contributes to high reliability and less maintenance.

- Product is pumped without shear, foaming, agitating, heating, emulsifying or chewing.

- Pumping elements are of simple geometric form. Parts can be manufactured locally in any part of the world by a small repair shop.

- Micrometer Axial shaft position device permits controlled clearance between rotor face and cover. Even after long use wear can be compensated by simple adjustment at site without disturbing pipe line or motors.

- Pump can be supplied in partial or full heating arrangement.

- Pumps available with built in relief valve.
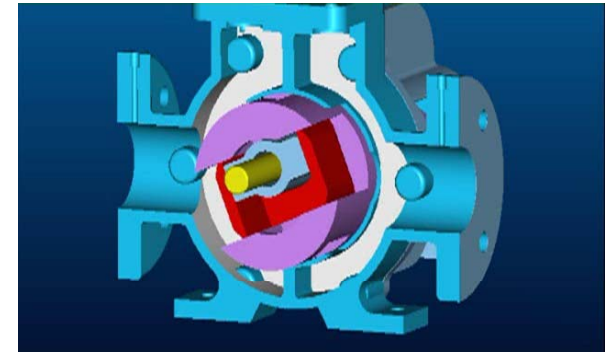
SHUTTLE BLOCK PUMPS - RANGE

- ✓ **Capacity**   **from 70 lpm to 970 LPM**
- ✓ **Pressure**   **Upto 6 bar**
- ✓ **Temperature**   **Upto 150ºC**
- ✓ **Viscosity**   **from 1 cSt to 30,000 cSt**
- ✓ **Models available**   **4**

TYPICAL APPLICATIONS

➢ **Fuel oil transfer, loading and unloading**

➢ **Edible oil transfer**

➢ **Tank to tank transfer in process plant.**

➢ **For all cases involving viscosities higher than 200 cSt.**

COST COMPARISON

➢ **Very economical and costs fraction of the cost of gear, vane or screw pumps**

➢ **Power consumption is less than conventional pumps**

TECHNICAL COMPARISONS

➢ **Simplest of all Positive Displacement Pumps**

➢ **Most compact for any given capacity compared to other Positive Displacement Pumps**

➢ **Field maintainable. (On-site repairs permitted !)**

➢ **For further details refer to catalogues as well as liquid list as well as application list.**

THANK YOU