

Fluid Power

Safe, Reliable and Energy Efficient Fluid Power Solutions for Hydraulically Operated Equipment.

Haskel pumps have many characteristics that make it a superior pump in certain fluid power applications versus conventional electric driven pumps.

Features and Benefits

1. As pressure is raised they will slow down, stop and maintain pressure indefinitely without consuming power and heat generation.
2. Flow rates are infinitely variable and continuous. Starting and stopping do not have an adverse effect.
3. Tank sizes can be small allowing more portable systems because overheating is not a problem. Conventional electric pumps require large tanks to dissipate heat or a cooling system fitting.
4. Non-lubricating fluids such as water or soluble oil and water can be used.
Seal material is wear compensating and provides its own lubrication. This is not practical in electric driven pumps where hydraulic fluid for lubrication and internal clearances are required to enable the lubricating film to work. This creates a problem when:
 - a. Flow must stop and pressure be sustained
 - b. Fluids are non-lubricating
 - c. Pressures are high
5. Can operate on a continuous duty basis at a de-rated duty.
6. Pressures of over 5,000 psi (345 bar) can be generated.
7. They are intrinsically safe for operation in hazardous areas.
8. They can be connected into conventional circuits to take over from the electric drive pump when the pressure increases and flow decreases. Thereby dramatically reducing the electric motor size in a situation such as rubber molding press where daylight closing is required under low load and high-pressure sustaining for long periods is required during the curing process.



Applications

- Bolt Tensioning
- Work Holding/Clamping
- Cylinder Actuation
- Tool and Die change
- Hydraulic Machinery
- Welding Jigs & Fixtures
- Tail Ramps – Mobile
- Press Overload
- Filter Presses
- Rubber Molding/Curing Presses
- Hydraulic & Mechanical Presses
- Jacking/Lifting
- Lubrication
- Bearing Removal
- Beam Garage Jacks
- Accumulator Charging
- Roller Tensioning
- Stressing Tools
- Crimping
- Wire Forming