

LATCHTOOL

FastFlow® within - Fluid Power without the Complications...

FastFlow®

Double-Action Hi-Bar Pump

An approximate-size silhouette of the Double-Action Hi-Bar (DAHB) pump is on the right. A single cavity pump operated at 1500 strokes per minute will deliver ½ LPM at 10,000 psi.

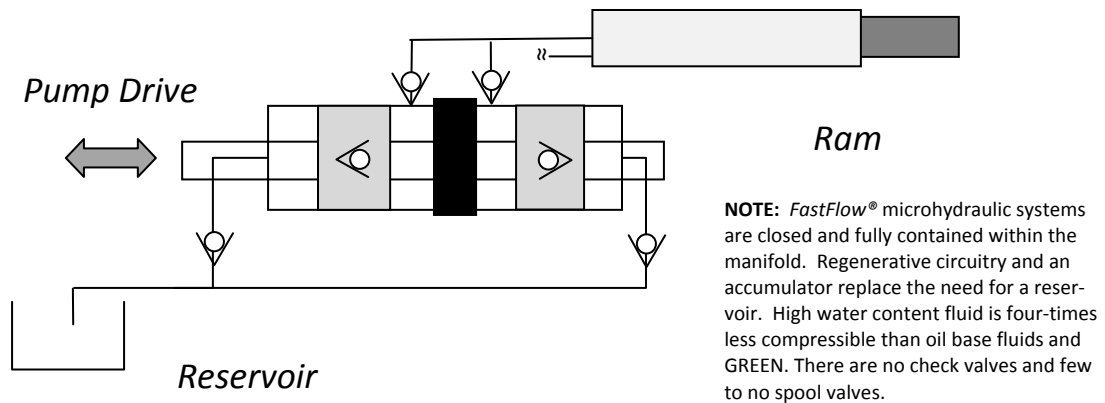


The DAHB pump uses o-rings combined with machined or injected molded parts as [annular floating seal valves](#). AFSV eliminate the need for precision *steel-on-steel* check valves and the real estate for their housing. They are regulated fluidically.

The DAHB is a cartridge pump inserted in an aluminum or mild steel manifold that incorporates the necessary porting. The pump can be driven by either a crank, cam or wobble plate. The drive mechanism is included in the manifold. The size of the motor determines its location.

In the case of our inline [12-ton Compression Tool](#), the motor is outside of the manifold and becomes part of the handle. In the case of our [1-ton workholding clamp](#), the motor, battery and telemetry are mounted inside the manifold.

Figure 1 - Effective DAHB Pump circuitry:



FastFlow® fluidic valves are to hydraulics and flow control as the *transistor* was to electricity and vacuum tubes™.

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