

Haskel AW-150 Test Pump

An air operated liquid pump for pressure testing, chemical injection and hydraulic power. The Haskel AW-150 Air Driven Liquid Pump is a reciprocating, positive displacement pump with a directly coupled, integral linear reciprocating air motor, designed to generate High Pressure Liquid flow. The pressure increase is made possible by means of the area ratio between the larger diameter air drive piston directly connected to a smaller diameter liquid plunger / piston. Using our various material and seal options they are suitable for pumping a wide range of liquids including water, oil, glycol and many other chemical fluids.

Air Drive:

The piston, complete with O-ring seal, operates in an epoxy filled fibreglass wound barrel. Air forces the piston down on the compression stroke and raises it on the suction stroke. The piston is pre-lubricated during assembly and therefore no air is necessary.

Hydraulic section / check valves:

The drive is connected to the hydraulic plunger within the hydraulic section. On the down stroke, liquid in the hydraulic section is forced under compression through the outlet valve. Fresh liquid is induced via the inlet check valve on the return stroke. The check valves controls the flow of liquid through the hydraulic section and are spring loaded to have a very low cracking pressure.

- Safe pneumatic operation - no heat, flame or spark risk
- Infinitely variable cycling speed
- Stall feature to pre-determined pressure to hold that pressure without consuming power
- Problem free stop / start applications
- Suitable for most liquids
- No need for airline lubrication
- Robust, reliable and compact
- Unbalanced cycling spool provides immediate response to pressure charges



Technical details - typical configuration - can be customised to suit requirements

Model	Max. output pressure at 100 psi (7bar) air drive		Max. outlet flow		Displacement / stroke	
	psi	bar	Cu Ins/min	l/min	Cu Ins	cc's
Haskel AW-150	15000	1034	81	1.3	0.27	4.5