

## ARO Air driven Pump 3"

PHB is using the 3" ARO Air driven pump for transport of sludge and liquids.

The pump is considered a positive displacement pump, powered by compressed air, without electrical components and considered intrinsically safe.

Precautions to be taken for static electricity though (such as "continuous" hoses etc.).

The pump is mobile and can be handled by two persons.



### TECHNICAL SPECIFICATIONS

#### ARO Pump 3":

Inlet connection: 3"  
Outlet Connection: 3"

#### General Specs:

Product Suction pressure not to exceed: 10 psi (0.7 Bar)  
Max outlet pressure: 20-120 psig (1.4- 8.3 Bar)  
Weight: 105 KG

#### Air supply:

Maximum air inlet pressure: 120 psig (8.3 Bar)  
Minimum air supply: 20 psi (1.4 Bar)  
Minimum air to be provided for one pump: 150 scfm

#### Maximum flow rate:

A flow rate of 50 M3/hr is achievable at maximum air pressure.  
Maximum particle size up to 9.5 mm

#### Chemical resistance:

Non corrosive

#### Grounding:

Standard precautions to be taken with regards to static electricity (such as the use of "continuous" hoses).

#### Lifting arrangements:

Pumps are installed in a crash frame. Total weight of pump including crash frame is approx. 130 KG.

### SPECIAL FEATURES

This unit is manufactured from Carbon steel and should not be subjected to corrosive environments.

The unit is Ex-Proof; only powered by air.

The compressor should be located in a safe area or the air to be provided by the client's internal own facilities.

The pump will be provided in its own crash frame for easy handling.

The maximum flow rate depends on characteristics of the sludge, like viscosity and density / particle size and distribution.

PHB can provide chemical resistance pumps; specs to be discussed.

Static electricity is a danger which should not be underestimated when transferring oil / water mixtures.

PHB has a well-developed Routine Maintenance and Inspection system. A pre-job inspection check-list has to be completed before the system can be started.

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