

Concrete Pumps from Aquarius Engineers reduce maintenance

Aquarius Stationary Concrete Pumps

Technological Highlights

- State-of-the-art technology as on today. The 'S' Valve System is accepted worldwide
- Most suitable for high rise & long distance pumping
- Lowest operation cost
- Completely leak-proof system
- Very effective reverse pumping
- Less chocking problems
- Completely separate hydraulic & concrete pumping system
- Longer maintenance intervals
- Refurbishable wear parts
- Safe system from cleaning point of view
- Bigger size core pump (dia. 200 mm x Stroke 1400 mm)
- Bigger 'S' Valve (inlet 200 mm out let 180 mm)
- Standardised core pump in all the models right from smallest stationary pump 1004D up to boom pump. So less inventory carrying cost
- Hard faced 'S' Valve for longer life.
- Flap straight design of concrete outlet
- Safe cleaning access & provision
- Easy clean & free flow hopper design
- Output regulation from zero to maximum infinitely variable
- Less number of strokes for the given output; less wear & tear
- Infinitely variable concrete output
- Flow, pressure & horse power regulation in the main hydraulic system
- Well proven in handling 40 mm nominal size concrete

- Operator & maintenance friendly design
- Less dependent on electrical system. All the operations of concrete pump can be carried out even in case of major electric control system failure
- Compact site to suit the applications where space for mounting the pump is crucial
- Wear & spare parts are interchangeable with all the range of pumps
- Lower maintenance cost, higher fuel economy.

Stationary Line Pump Models

- 700 series: 703 D
- 1000 series: 1004 D, 1004 D Super, 1004 D SHP, 1003 E
- 1400 series: 1405 D, a407 D, a405 E, 1407 D HR, 1400 HPD, 1400 HPE
- 2100 series: 2100 D EHP
- Mobile Truck Mounted Pump Models
- 1000 series: 1004 D MOLI, 1004 D MOLI+, 1405 MOLI+, 1407 D MOLI+

Aquarius Boom Pump

Features

- Separate drive engine concept for powering the concrete pump and boom operations
- No power transmission losses: No losses as the hydraulic pumps are directly connected to the engine
- Prolonged engine life as the engine used is designed for this particular application or similar
- Better life of prime mover as there are no problems from the engine cooling side. The engine & cooling system is

designed for this kind of use. Engine cooling system is designed keeping in consideration that truck is moving at a speed of not less than 40 km/hr. This extra flow of AIR due to speed is also considered while designing drive engine cooling system. If drive from truck is used for powering the concrete boom pump, the truck (drive system) is stationary and still the full power is being utilised for driving the boom pump. This leads to excessive continuous heating of engine and drive system; which in turn causes more maintenance problems and more breakdowns. This reduces reliability of the machine

- Much better fuel economy as there are no transmission losses
- Boom pipeline has been designed and supported with the quick release brackets. Helps to reduce the changeover time drastically
- Hydraulic hoses are laid from the outside in a packed condition which reduces wear of hoses by rubbing against boom pipeline
- Presently 32 & 36 meter boom pumps are available; the company expects to launch 42 meter boom pumps soon.

Models

20.07, 32.07, 36.07, 32.09, 36.09

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