

Pumps you can rely on

AQUA GROUP



Hydro Pneumatic System APS Series



AQUASUB ENGINEERING
Coimbatore - 641 034



Hydro Pneumatic System

APS Series

AQUATEX Hydropneumatic systems are highly reliable efficient, noise free fully automatic booster systems that deliver water at constant pressure at all outlets of high rise buildings.

Applications

Pressurised water supply in

- ◆ High rise commercial buildings.
- ◆ Residential apartments.
- ◆ Hotels.
- ◆ IT Parks.
- ◆ Industries.

Features

Hydropneumatic system with constant speed control panel

- ◆ Protection from electrical disturbance like low / high voltage phase missing / reversal, unbalance voltage etc.
- ◆ Dry run and overload protection.
- ◆ MCB provides protection from overload, short circuit and also activate other motor if one motor has fault.
- ◆ Automatic / Manual controls and standby pump selection.
- ◆ LED indication for all functions.

Hydropneumatic system with variable speed control panel.

- ◆ Protection from Electrical disturbance like low / high voltage, Phase missing / reversal, unbalance voltage etc.
- ◆ Protection from water hammering and pressure surge and excessive mechanical shock.
- ◆ Dry run protection at no flow and low speed operation.
- ◆ Automatic energy optimizer keeps the system to work in optimal efficiency.
- ◆ Automatic Motor alternation enhances motor performance and maintain equal operating time of all motors.
- ◆ End of curve monitoring and broken pipe detection prevent damages of impeller and mechanical seal and enhances pumps life.
- ◆ Two line LCD display. (Four line LCD display optional)
- ◆ Communication cable connection to BMS/PC

Operating Data

Power input range	: 0.37 kW to 1.5 kW in Single Phase 220-230V, 50 Hz A.C supply 0.37 kW to 75.0 kW in Three Phase 380 - 415V, 50 Hz A.C supply
Speed	: 2900 rpm
Degree of protection	: IP 55
Insulation Class	: Class "F"

Pump Data

Flow rate Q	: Upto 150 m ³ /hr
Head H	: Max 320 m
Temperature	: -15°C to 120° C
Inlet Pressure	: Upto 20 bar
Operating Pressure	: Upto 30 bar

Materials

Pump shaft	: Stainless Steel, AISI 431 / AISI 316.
Impeller	: Stainless Steel, AISI 304 / AISI 316.
Inline casing	: Cast Iron / Stainless Steel, AISI 304 / Stainless Steel, AISI 306.
Diffuser Assembly	: Stainless Steel, AISI 304 / AISI 316.
Mechanical Seal	: Cartridge Type Seal SIC vs SIC.

Standard System equipments

- ◆ 2 to 6 Vertical Multistage Centrifugal pumps
- ◆ E-coated mild steel suction and delivery manifolds
- ◆ One checkvalve and Two brass isolating valves for each pump
- ◆ Pressure transmitter
- ◆ Pressure switches
- ◆ MS base frame
- ◆ Control Panel
- ◆ Analog pressure gauge
- ◆ System is pre-assembled, tested in the factory

Warranty : "AQUATEX" Hydro Pneumatic System carry a 12 months warranty from the date of purchase against manufacturing defects for the parts and components manufactured by AQUASUB ENGINEERING

*Due to continuous efforts at improving value, information furnished above is subject to change without notice.

Manufactured **Exclusively** by:

AQUA GROUP

AQUASUB ENGINEERING
AQUAPUMP INDUSTRIES

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