› Our technology. Your success.
Pumps ▪ Valves ▪ Service

moviBOOST -
Solutions to Building Services

Most **Advanced**
Most **Energy Efficient**
Most **Reliable**
Water Pressure Boosting Systems

Trust of German Technology

FLUID FUTURE®
ErP

Elevation is an art of controlled movement

Whatever may be the needs of your building, our products "rise" to the occasion. Our range of pumps, valves & systems keeps water flowing wherever it's needed – even to the top of high–rise buildings. From water & circulation pumps, pressure boosting units, drainage, HVAC, fire fighting and waste water pumps to butterfly valves, we meet all the needs of private and commercial buildings.

Moviboost – Hydro Pneumatic Pump Systems

The existing product portfolio of the moviBOOST family is being extended to include the new advanced, high-efficiency & reliable moviBOOST Kt, Vt & Vpt series.

Integrated features include the Controller system. moviBOOST exceeds the requirements of the European Efficiency Value (MEI) for ErP (Energy Relating Products). The new KSB type series is way ahead of its time.

Variety - To cater every need

1. ***moviBOOST* Kt**
   Automatic pressure monitoring system with On/Off control
2. ***moviBOOST* Vt**
   Continuous speed monitoring automatic system with one flying VFD
3. ***moviBOOST* VPt**
   Continuous speed monitoring automatic system with VFD for each pump

Design

Made with the robust and proven German technology, moviboost, fully automatic systems are available in **3 variants - Kt, Vt & VPt**. Systems can be built with 2 to 6 high pressure pumps (depending upon the requirement of water) and full electronic control of the required water supply.

Use of high quality material and manufacturing process ensures a hassle-free and reliable operation.

Applications

In building services, KSB pumps & KSB systems are employed in the following water supply applications :

- Residential buildings
- Hospitals
- Commercial buildings
- Hotels
- Fire fighting applications
- Airports
- Sports complex

Materials

Pump

Suction/Discharge casing	: CI / Stainless Steel
Hydraulic System	: Stainless Steel
Mechanical Seal	: EN 12756
Spring loaded ring	: Silicon Carbide
Seat Ring	: Hard Carbon
Elastomers	: EPDM

Hydraulic components

Manifolds	: MS CED (Cataphoresis) or Galvanised

Valves

Ball Valve	: Brass
Butterfly valve	: MS/CI
Non return Valve	: Brass / SS / CI

Operating Data (Standard Design)

Capacity Q	: Up to 660 m^3/hr.
Head H	: Up to 160 m
Temperature	: -20 ^{0}C to +160 ^{0}C
Discharge pressure	: 10 & 16 bar
Supply voltage	: 3 Phase, 415 Volts, 50 Hz
Drive	: 2 Pole electric motor

(Higher pressure and flows are available on request)

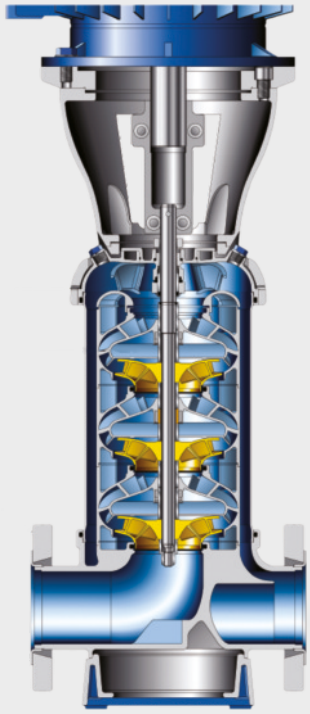
A Standard System Contains

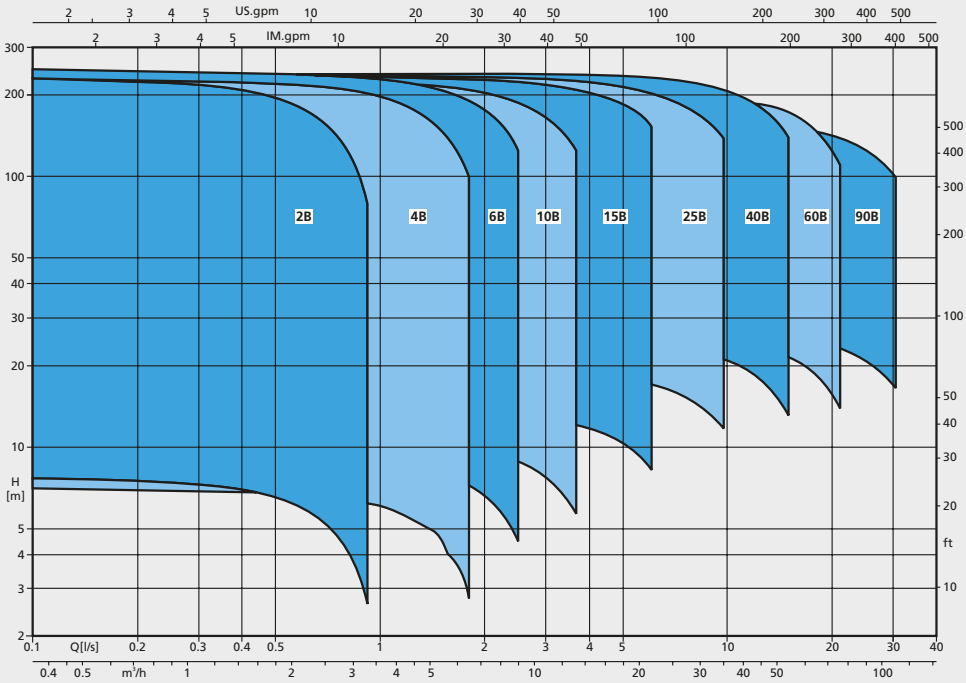
- 2-6 Vertical high pressure pumps (std. pumps)
- 1 check valve & 2 shutoff valves for each pump
- Pressure transmitter on discharge pressure side
- Pressure Indication via analog pressure gauge
- MS fabricated base plate
- Single control panel for controlling all pumps
- Dry run protection device
- Suction and discharge manifolds

Features

- Fully automatic, user friendly hydropneumatic system.
- Energy efficiency - exceeds European Efficiency Value (MEI) for ErP (Energy Relating Products).
- Factory built system by KSB.
- BMS compatibility with Modbus (RS 485) / Profibus / Lonbus / Bacnet etc.
- Siemens switchgears for reliable operation.
- Siemens / Danfoss VFD.
- Isolation transformer for controller.
- Controller power supply through dedicated SMPS.
- Input choke for VFD protection.
- Standard single phase protection.
- Standard phase reversal protection.
- Pump, header & valves designed for 16 bar rating.
- Standard maintenance-friendly easy access mechanical seal.

Movitech B pumps - Performance Chart





Success Stories (Major Project References)

1. **Airports** - Neetaji Subashchandra International Airport (Kolkata)
2. **Corporate offices** - Reliance Corporate office Complex (Navi Mumbai), Cethar Vessel (Trichy)
3. **IT Parks** - Lanco Hills (Hyderabad)
4. **Hotels** - Taj Vivanta (Bhubaneswar), ITC Sheraton (Delhi), Taj Vivanta (Pune), IBIS (Bangalore)
5. **Integrated Townships** - Raintree Park (Guntur)
6. **Villa Projects** - Emmar MGF Villas (Gurgaon), ISCON Green (Baroda)
7. **High rise buildings** - Mantri Pinnacle (Bangalore), Parinee Crecenzo (Mumbai)

And many more..

Your nearest KSB Contact

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