



# horizontal multi-stage jet/centrifugal pumps



**HMS Series Multi-Stage Jet Pumps are the highest performing pumps available in its category. The HMS Series Convertible Jets utilize the built-in regulator, offering easier priming and better range of performance from a complete line of Shallow Well, 4" Double Pipe, 2" and 3" Single Pipe Jet Packages. Pump may also be operated as a self-priming centrifugal (to 25 ft.) to provide a wide range of high pressure applications.**

## APPLICATIONS

- Water systems and sprinkling... for homes, farms and cottages.

## SPECIFICATIONS

- Body** – One-piece rugged cast iron
- Pump and Motor Shaft** – 416 stainless steel
- Impeller** – Polycarbonate
- Diffuser** – Corrosion-resistant cast iron
- Pressure Switch Pre-Set** – 30-50 PSI
- Suction Ports** – Drive-over-Suction

## HMS SERIES

### FEATURES

**Automatic Pressure Regulator** – Faster-acting and quieter, design eliminates "hunting" for correct drive pressure. New improved stem and guide are precisely molded to assure efficient, trouble-free performance on all deep wells. See ordering information (Deep well only).

**Quality Construction** – Close-grained cast iron pump body is rugged, one-piece unit, specially treated to resist corrosion. Drain port provided for easy winterizing.

**Precision-machined Diffusers** – Assure faster priming.

**Mechanical Shaft Seal** – Precision lapped and highly polished carbon-ceramic, stainless steel construction. Internal design guarantees continuous water lubrication for maximum protection.

**Polycarbonate Impellers** – Precision molded for perfect balance, and ultra-smooth for highest performance and efficiency.

**Motor Windings** – Superior insulation materials protect against excessive moisture and contaminants to ensure prolonged motor life.

**Dustproof Cover** – All electrical components are protected from dirt, dust and insects by a dustproof canopy. Ventilating air cannot contaminate vital switching components. This eliminates the most common cause of motor failure.

**Balanced Rotor** – Rotor is die cast under high pressures for uniform performance and greater efficiency; dynamically balanced.

**Heavy-duty Ball Bearings** – Shielded, permanently lubricated bearings are extensively tested to ensure extended life and smooth, quiet operation.

**Pump and Motor Shaft** – One piece threaded shaft for positive impeller drive and alignment. Shaft is stainless steel for maximum corrosion resistance.

## ORDERING INFORMATION

Catalog Number	HP	Description	Pipe Tapping Sizes			Stages	Motor Voltage	Approx. Wt. Lbs.
			Suct.	Drive	Disch.			
HM5D	3/4	Deep Well Jet	1-1/4"	1"	1"	2	115/230	50
HM5E	1	Deep Well Jet	1-1/4"	1"	1"	2	115/230	80
HM5F	1-1/2	Deep Well Jet	1-1/4"	1"	1"	2	115/230	85

## AUTOMATIC PRESSURE REGULATOR – DEEP WELL

Catalog Number	Description	Application	Approx. Wt. Lbs.
PKG 107	Regulator, tubing, pipe plug and compression fitting.	Required for ALL deep well installations.	4

Order pump and pressure regulator, if required, from ordering information tables above. A jet package and the automatic pressure regulator, described above, are required on all deep well installations.

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In order to provide the best products possible, specifications are subject to change.