

5562

Vertical Process Pumps

Deming Vertical Process Pumps are designed for continuous duty operation. They combine advanced engineering techniques in hydraulic design and craftsmanship to meet the multiple requirements of industrial and chemical process service, and will handle clear liquids or liquids with small solids in suspension.

All parts located below the pump base plate may be submerged in liquid, even corrosive liquids, as the pump bearings are located above the pump base plate. Top of tank mounting provides for easy maintenance.

Pump priming, troublesome shaft sealing problems and the maintenance cost of mechanical seals have been eliminated due to pump liquid end parts being fully submerged.

The pump's outstanding performance includes a semi-open impeller, easily adjustable to compensate for wear, volute type casing, advanced hydraulic design, and machine register fit at all assembly points to ensure positive alignment.

Maximum interchangeability on a minimum number of parts ensures economical, trouble-free service and reduced maintenance costs.

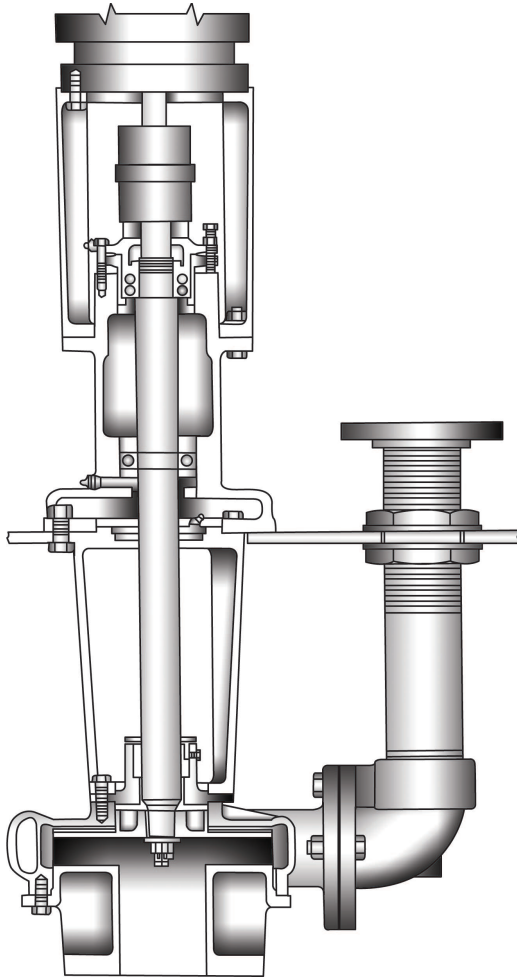
**Capacities to 1800 GPM
Heads to 100 Feet
Fifteen liquid end sizes
Discharge 1" thru 6"**

APPLICATIONS:

- Bonderizing
- Pickling
- Coolants
- Circulation
- Paint Systems
- Pollution Control
- Plating
- Parts Washing
- Filtering
- Quenching
- Metal Washing
- Air Washer



Deming 5562 Series



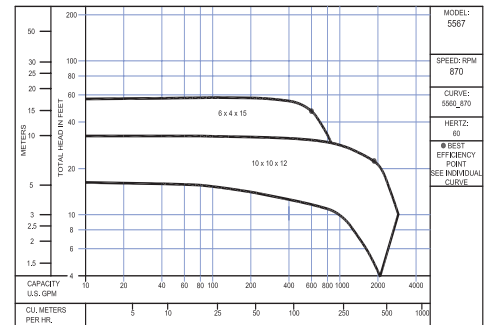
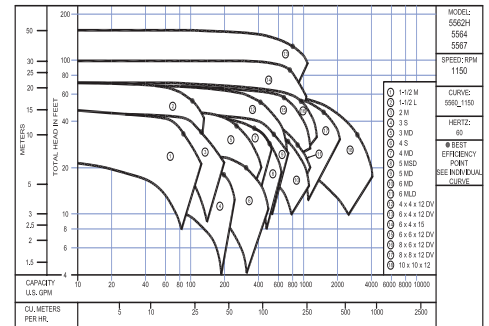
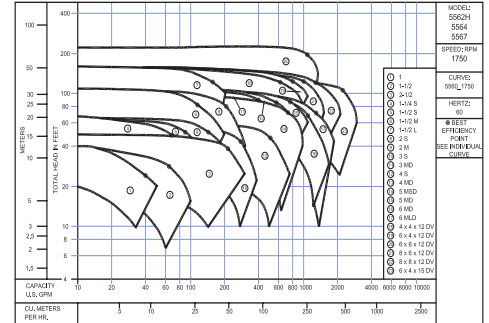
Design Features:

- **Impeller** - Semi-open, easily adjustable impeller with extra heavy vanes, gives outstanding performance and resistance to wear; also permits passage of dirty liquids and small solids. Balance openings in the shroud reduces pressure behind the impeller. Pumping vanes on back of the shroud prevents accumulation of solids behind the impeller. Impeller is keyed to the shaft with precision fit and securely

- locked in position.
- **Casing** - Vertically split, end suction design with streamlined volute. Double volute casings, standard on pumps with 3" and larger discharge, reduces radial deflection forces and prolongs pump life under varying or off-peak head conditions. Fig. 5562H liquid ends have separate suction cover while Fig. 5564 casing has integral suction cover. 125# ANSI flanges on pumps with 3" and larger discharge.
- **Power Frame** - Heavy duty, one piece cast iron, precision bored and machined to assure alignment of the rotating assembly and permit easy replacement of shaft or bearings.
- **Shaft** - Turned and precision ground of high strength steel, of optimum diameter and bearing span for maximum operating loads with minimum deflection.
- **Bearings** - Precision ball bearings, located above the cover plate, are designed for maximum loads. Bearings are grease lubricated and sealed against dirt and moisture. Outboard bearing is cartridge mounted for easy replacement, if required.
- **Impeller Adjustment** - Jack screws provide easy external adjustment of impeller clearance without disturbing shaft coupling or piping.
- **Column** - Available for 9", 12", and 15" extension below base plate. Cast in one piece of the same material as pump liquid end.
- **Throttle Bushing** - Restricts the amount of liquid entering the column. Deflector protects bushing from foreign materials.
- **Driver Pedestal** - Standard to mount NEMA "C" flange.
- **Chair Mount** - Fabricated chair mount, utilizing horizontal foot mounted motor, is available as optional extra.
- **Discharge Pipe** - Pumps are available with discharge pipe and larger base plate when specified, as an option.
- **Interchangeability** - Maximum parts interchangeability is provided within the two frame groups; Fig. 5562H, with 1 13/16"

diameter shaft, mounts 15 liquid end sizes and Fig. 5564, with 2 1/4" diameter shaft, mounts six high performance liquid end sizes.

- **Materials** - Standard in all iron construction. Bronze fitted and stainless steel are optional.



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PUMPS & SYSTEMS

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