

Goulds Pumps, Inc.

Seneca Falls, New York

NEW YORK, 16 Murray St. & 19 Park Place
 PHILADELPHIA, 111 N. Third St.
 BOSTON, 194 Congress St.
 TULSA, 705 Kennedy Bldg.
 CHICAGO, 12-14 S. Clinton St.
 CLEVELAND, Union Trust Bldg.
 PITTSBURGH, 636 H. W. Oliver Bldg.
 ATLANTA, Citizen and Southern Bank Bldg.
 HOUSTON, 1902 Second Nat'l Bank Bldg.

Manufacturers of Pumps for Every Service

PRODUCTS—Centrifugal Pumps for all purposes—Single and Double Suction, Sump, Fire, Single and Multistage, Horizontal and Vertical. Triplex Pumps.

Single and Double Acting, Deep Well, Power Rotary, Pressure Pumps, etc.

Goulds Pumps, manufactured since 1848, comprise a line of hand and power pumps, including types and sizes for practically all pumping services.

Every Gould Pump sold is guaranteed to give reliable, satisfactory service under the conditions for which it is recommended.

The power pumps can be furnished for belt, chain, gear or direct drive from all types of drivers.

Condensation Return Pump and Receiver

Takes care of the condensation from heating plants up to 15,000 sq. ft. of direct radiation, based on $\frac{1}{2}$ lb. of condensation per square foot per hour or 10,000 sq. ft. of radiation based on $\frac{1}{2}$ lb. of condensation per square foot per hour. Outfits shipped from stock completely assembled.

Pump—Ball bearing centrifugal type, two stage, bronze fitted. Requires no lubrication.

Pump Shaft and Float Rod—Operate through stuffing boxes to prevent leaks. This enables outfit to be used under pressure. Float Rod cannot bind.

Tank—Heavy, galvanized, welded steel, 24 in. in diameter by 40 in. high. Tank has two inlets both tapped for 3 in. pipe, 8 in. below top of tank. Tapped for vent connection, and fitted with drain opening, 1-in. discharge from pump to boiler.

Motor— $\frac{1}{2}$ hp. 1750 r.p.m., 110-220 volt, 60 cycle repul-

sion induction motor or $\frac{1}{2}$ hp. 110 or 220 volt D.C. motor.

Capacity—20 gal. per minute; Maximum Direct Radiation, 15,000 sq. ft.; Maximum Discharge Pressure, 17 lb.; Height Overall, 64 $\frac{3}{8}$ in.; Weight 350 lb.

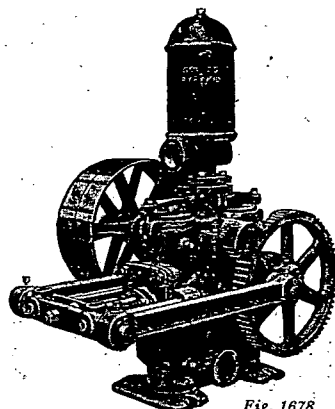


Fig. 1678

"Pyramid" Double Acting Power Pump.

Sizes, Capacities, Etc.—(based on 200 ft. elevation). Made in five sizes, 2 $\frac{1}{4}$ x 4 in. to 5 $\frac{3}{4}$ x 6 in.; square foot of radiation, based on the condensation of one-third of a pound of steam per square foot of radiation surface per hour, 7500 to 75,000; for vacuum steam heat system, 700 to 7000 sq. ft. radiation; horsepower at catalog rating for cold water or condensation $\frac{1}{2}$ to 5 hp., for vacuum steam heat systems $\frac{1}{4}$ to 1 $\frac{1}{2}$ hp.; weight, 170 lb. to 980 lb.

When used as a condensate pump, a pump twice the required capacity should be selected so that pump will run intermittently. If temperature of water exceeds 160 deg. fahr. it must flow to the pump.

For handling condensation in connection with steam heating plants, hot water, mine service and general water supply.

For Belt Drive—For heads up to 200 ft. With tight or loose pulleys.

For Gear Connection to Electric Motor—(Form C Drive). For heads up to 200 ft. Includes pump, cast iron bedplate, gear and pinion for connection to motor; motor not included.

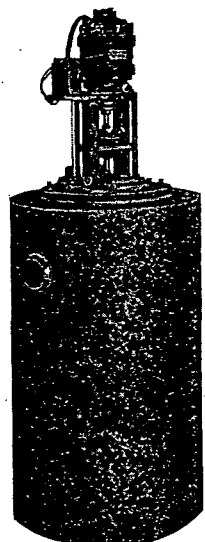
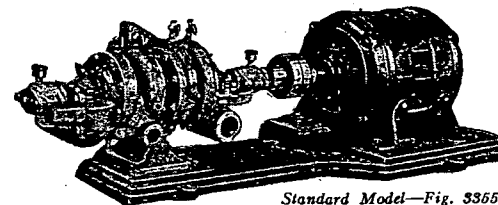


Fig. 3354

Complete Outfit Including Electric Motor—(Form Q Drive). For heads up to 100 ft. Furnished only in the 2 $\frac{1}{2}$ x 4 in. size. Includes pump, motor bracket, gear, pinion and motor.

Form Q Drive supplied with $\frac{1}{4}$ hp. motor, 110, 220, 32 volt D.C. motors and 110 or 220 volt A.C. motor, single phase. 60 cycles.

Four-Stage Centrifugal Pump



Standard Model—Fig. 3355

This New Standard Model is a 4-stage vertical split ball bearing pump for direct connection to electric motors. It is made in two sections with two pairs of opposed impellers which balance the thrust.

This pump covers an extremely wide range of capacities and heads making it suitable for use in connection with humidifying systems, for boiler feeding, as a house-booster pump, for circulating brine, for handling gasoline and light oils, and other equipment requiring a circulating pump.

Bronze Fitted Pumps—Have bronze impellers, stainless steel shaft, bronze water seal rings and bronze bushings.

All Iron Pumps—Have all parts coming in contact with liquid of iron, except stainless steel shaft.

Pump size is 1 in.; r.p.m. from 1750 to 3450; capacities from 5 to 80 gal. per minute according to head; motors $\frac{3}{4}$, 1, 5 and 7 $\frac{1}{2}$ hp.; domestic shipping weight 200 lb.; for bedplate for 5 and 7 $\frac{1}{2}$ hp. motors add 30 lb.

Automatic Cellar Drainers

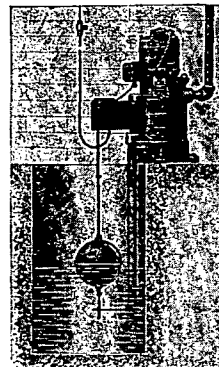


Fig. 1776

Vertical Self Priming Type—Fig. 1776. Capacities up to 25 gal. per minute. Heads up to 23 ft. For pit depths of from 1 $\frac{1}{2}$ to 5 ft. Shipping weight 107 lb.

Pump has cast iron casing and priming chamber. Bronze impeller with stainless steel shaft working in bronze bearings. 1 in. discharge.

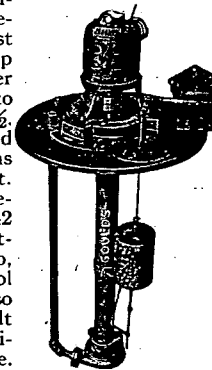
Motor is $\frac{1}{4}$ hp. mounted on pit cover. Furnished for 25 or 60 cycle A.C. or for D.C. circuits. Equipped with motor protecting Sentinel Breaker and 8 ft. of cord with plug. Double pole type switch. Copper float with brass rod.

Horizontal Self Priming Type—Fig. 3034. Two sizes, capacities 1 in. size up to 30 gal. per minute; 1 $\frac{1}{2}$ in. size up to 50 gal. per minute. Heads up to 20 ft. Approximate weight, 100 and 250 lb.

This type is equipped with special priming chamber making it entirely automatic for pit depths of 3 $\frac{1}{2}$ ft. Minimum diameter drainage pit, 1 in. size, 13 $\frac{1}{2}$ in.; 1 $\frac{1}{2}$ in. size, 16 in.

Pump is bronze fitted. Discharge 1 in. or 1 $\frac{1}{2}$ in. Pump shaft is connected to motor shaft by flexible coupling. Motor is repulsion induction type. Double pole type switch. Copper float with brass rod.

Centrifugal Sump Pump—Fig. 3013 Electrically driven, directly connected to motor. Single stage, single suction. Used to elevate drainage in buildings to street level, where the basement floors, boilers and elevator pits are below sewer level, and for any other service where liquid accumulates in a catch basin, pit or tank. Pump casing and impeller are regularly made of close-grained gray cast iron. Capacities up to 600 gal. per minute, heads up to 70 ft. Motors, $\frac{1}{2}$, $\frac{3}{4}$, 1, 2, 3, 5 and 7 $\frac{1}{2}$ hp. Pit depths from 3 to 16 ft. Standard pit diameters, 36 in. and 42 in. Complete outfit includes Pump, Motor and Control Equipment. Also furnished for belt drive when electricity is not available. For pit depths up to 8 ft.



Centrifugal Sump Pump Fig. 3013