
N D M SERVICE ASSOCIATES INC.

P.O. BOX 498 • CHARLESTON, TN 37310 • (423) 336-5563 FAX (423) 336-6837

N.D.M. ON THE MOVE

As a service oriented company serving the water and wastewater treatment industry since 1987, our continued growth has enabled us to expand our sales of quality equipment while continuing to provide the dependable field service support after the sale that our clients have come to expect and deserve.

If you currently have a reoccurring pump or electrical control problem, we stand ready to apply over 21 years of field service experience to help solve these problems.

One area of our continuing growth is in the development of our water booster pumping systems. These systems utilize submersible

multistage turbine pumps combined with pressure sensing automatic pump controls, resulting in an efficient and very dependable pressure booster system.

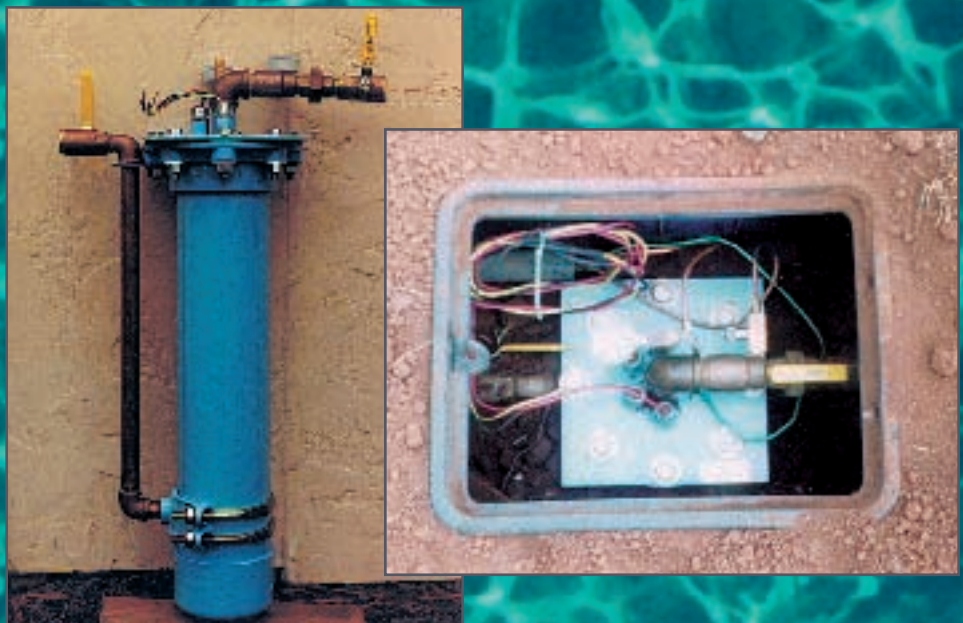
The advantages of this type of system include reduced maintenance costs due to the elimination of the mechanical seals, packing, and bearing failure problems that are common with conventional pump units. Also, the below grade installation capability not only protects the pump unit and associated piping manifolds from physical damage and freezing, but also reduces the installation costs by eliminating the need for expensive enclosures or buildings.

The pump chambers supplied with these systems are available in fabricated steel, ductile iron, or schedule 80 PVC material. The 1" and 2" piping manifolds are supplied in brass and "K" series copper materials, and the 4" and larger pipe sizes utilize ductile iron piping and flanged fittings.

We feel that by incorporating high quality components into our booster pumping systems, following strict assembly and testing procedures, and providing the field service support after the sale, our extra efforts will result in a top quality system that will give our customers a dependable and trouble free product. ■

This below grade installation serves a multi-building chicken house facility, providing a dependable water supply for over 20,000 chickens.

Pumping requirements of 11 GPM @ 150' TDH was achieved using a 1/2 H.P. pump.





This pump system installed at a wastewater treatment plant is using the plant's treated effluent to supply water flow to the gas chlorination system.

The installation of this system saved the city over 300,000 gallons per month of potable water, which paid for the system in a few short months.

Pumping requirements - 20 GPM @ 100 PSI using a 1/2 H.P. pump unit.

A similar unit installed at a water plant pumping facility also for gas chlorination system water supply. This unit supplied with the 6" D.I. pump chamber and 1-1/2 HP pump was selected to replace an existing 3.0 HP centrifugal pump that had experienced numerous mechanical seal failures and broken shaft problems. The increased volume of water from our multistage pump also permitted the operation of 2 injector units simultaneously, as required by state regulations.

The result: less maintenance and more flow with 1/2 the horsepower!

Pumping requirements - 30 GPM @ 150' TDH.

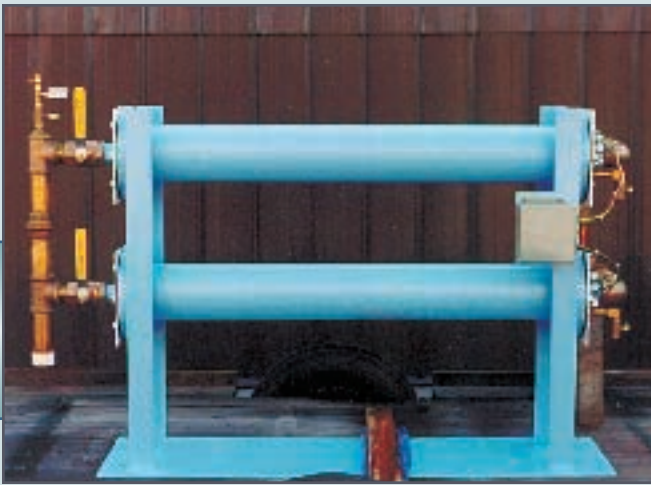


When installed as a pressure booster system, this simplex below grade installation provided increased line pressure and volume to 28 houses in the upper elevation area of this subdivision. The below grade Jumbo Meter Box enclosure resulted in a clean installation that blends in well with the surroundings.



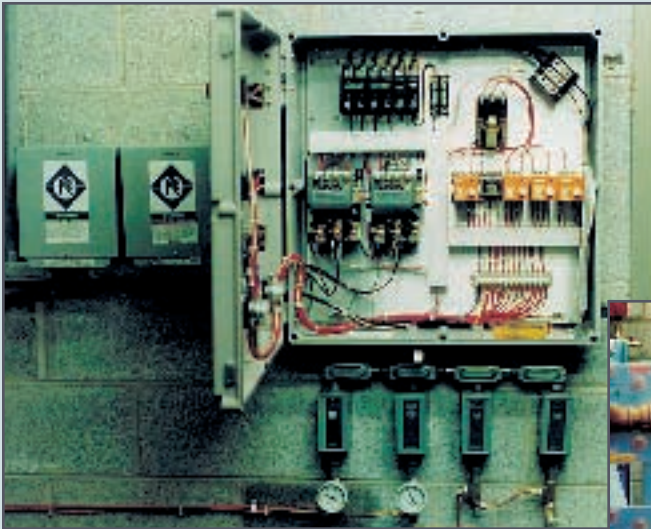
Pumping requirements - 55 GPM @ 112' TDH using a 2.0 H.P. pump unit.





The horizontal base plate mount booster pump unit utilizes duplex pumps, 2" brass piping manifolds, and automatic pressure switch pump controls with time delay circuits. This unit is shown assembled, tested, and ready for installation in the booster pump building.

Pumping requirements - 55 GPM @ 112' TDH was achieved with a 2.0 HP pump.



A similar system in a vertical mounting arrangement is prepared for delivery and below grade installation in a below grade concrete vault. This package includes duplex pumps, automatic controls, 2" brass piping manifolds and the (2) bladder tanks all installed in the vault.



Pumping requirements - 55 GPM @ 112' TDH was achieved with a 2.0 HP pump.





As you can see, our system can be utilized in a variety of applications and conditions, so call us today for an evaluation of your water system needs. We'd be glad to help!

*L*arger capacity systems are available to supply additional water main pressure and volume for out-laying areas of your system, to increase volumes for refilling reservoirs, supplying additional water flow for fire protection, and other high demand periods.

The vertically mounted simplex unit shown above was installed using 4" ductile iron suction and discharge piping, 4" flanged valves and fittings, and a below grade concrete vault enclosure with an aluminum access door.

Pumping requirements of 160 GPM @ 104' TDH was achieved with a 7.5 H.P. pump.

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