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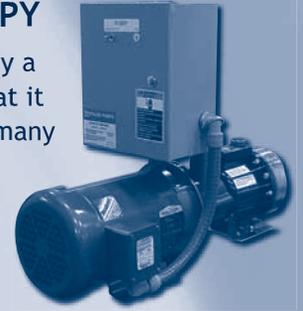
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## KEEPING THE NEIGHBORS HAPPY

Have you ever known you were driving by a landfill *before* you saw it? Just think what it would be like if you lived by one! After many complaints, one municipality wanted a solution. Their plan was to spray deodorizer with nozzles off their barrier fence to mask the smell and came to us (through a distributor) for the pump.

We recommended, assembled and sold this Hydrac-Cell D10 series pump with TEFC three phase motor and control box.



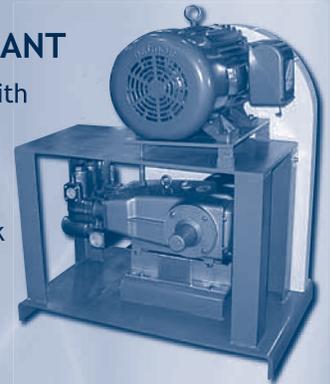
## MOUNTAIN TOP WATER DELIVERY



The owner of a water tanker truck had a request to deliver water to remote cabins at the top of a mountain. However, the closest he could maneuver his vehicle was 400' vertically below the highest cabin. He needed a solution. We recommended, assembled and sold this MTH turbine pump driven by a Honda gasoline engine.

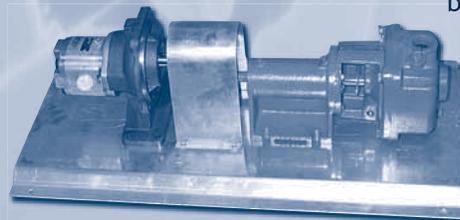
## PILOT REVERSE OSMOSIS PLANT

This custom plunger pump package with space saving overhead v-belt drive platform was created for a contractor to run a case study to prove their new reverse osmosis process will work on a small scale. Once proven, the real RO plant will be constructed.

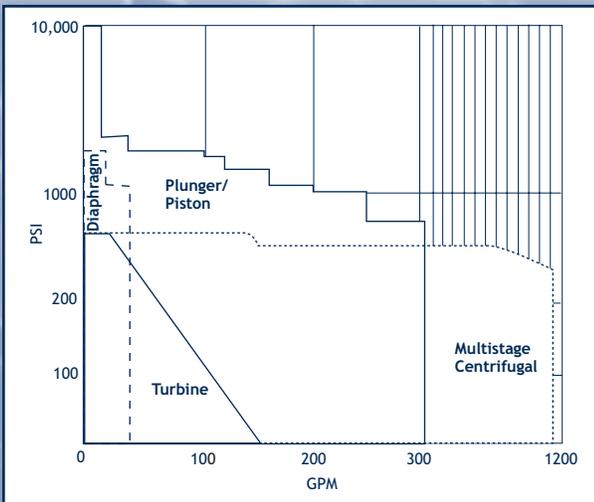


## HYDRAULICALLY DRIVEN TURBINE PUMP

Here is an example of the unique assemblies we will create to provide exactly what the customer wants. In this case the customer wanted a low maintenance, high pressure pump to move a clean, clear, low viscosity fluid and have it driven hydraulically. He had looked all over for an off-the-shelf pump to do the job. It just didn't exist. Our approach to the application was to define the best pump style and model



for his particular job and mount it with his desired drive. We chose this self-priming Burks turbine and long coupled it on a base to a hydraulic motor.



## RULES OF THUMB

**Oversize Lines For Piston, Plunger And Diaphragm Pumps!** When sizing the discharge line for piston, plunger or diaphragm pumps you must utilize the instantaneous flow... not the rated flow per minute. What is instantaneous flow? It is the actual velocity of the liquid leaving the pump during each stroke. This is higher than the average flow over time. An accumulator tank is another way to protect your system from this phenomenon.

**Don't Starve The Inlet!** Plunger pumps will be quickly damaged by insufficient inlet flow. If you can't pressurize the inlet port try plumbing to both pump inlets. (Many plunger pumps have two inlets – yours may too.)

**PD Pumps Are More Efficient Than Centrifugals!** Positive displacement pumps will save up to 1/2 the horsepower required to move liquid at high head compared to a centrifugal pump for the same duty.