

# DRUM, TRANSFER AND METERING PUMPS

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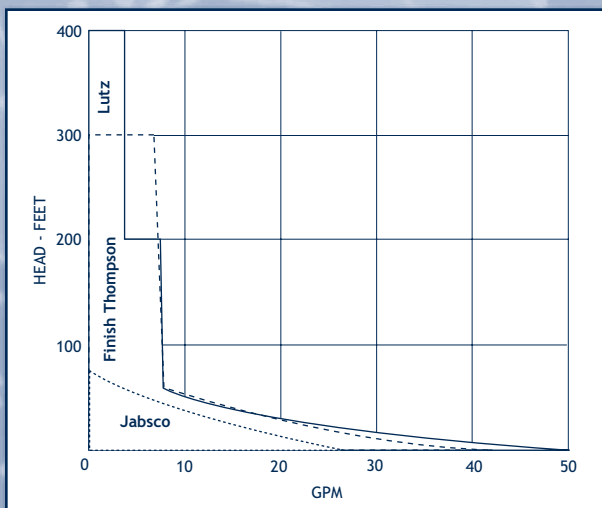
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## RULES OF THUMB

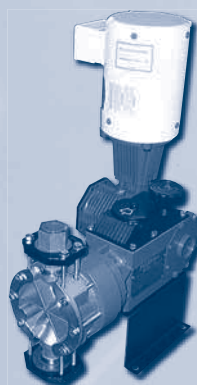
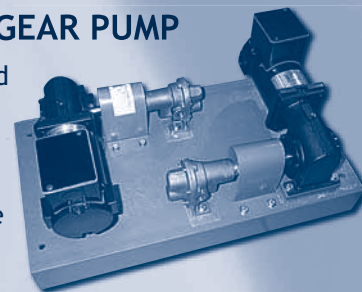
**You Don't Need A Metering Pump To Meter Anymore!** Many traditional metering applications can be handled at significantly less cost with a positive displacement pump powered by a variable speed drive. Often these pumps are linked to sensors that adjust the flow up or down to accomplish the desired results.

**Plastic Pumps A No-No With Flammable Liquids!** Insulating liquid moving through a plastic pump creates static electricity that can create a spark and explosion if a flammable fluid or environment is involved! Metal pumps can be grounded minimizing the potential of a static generated spark.

**Liquid Chlorine Will Off-Gas!** This off-gassing will often air-lock the traditional diaphragm metering pump. A peristaltic pump will purge itself of any gas or air and not air-lock. Note: peroxide has similar characteristics.

## METERING PASTE WITH A GEAR PUMP

A manufacturer of drywall required a pump to meter paste on the edge of each drywall sheet during their production process. We recommended and sold this double pump assembly utilizing two 1/4" Oberdorfer gear pumps mounted on a single painted channel steel base and driven by 90 vdc gear motors. Each unit is controlled by a separate SCR control to precisely control the flow. The customer has since ordered additional units in varying configurations.

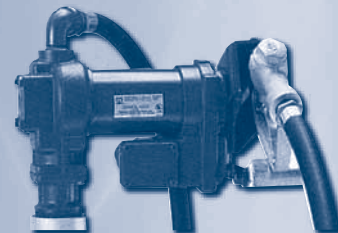


## PRE-BOILER WATER TREATMENT

This mechanically driven stainless steel metering pump with Teflon® elastomers was assembled with a washdown duty TEFC motor to meter amines and morphaline to treat water feeding a boiler at a nuclear power plant.

## GASOLINE TRANSFER

Fill-Rite is the standard gasoline and diesel pump used for farm and construction applications throughout the United States. The majority of transport tanks often seen in the back beds of pick-ups will have these familiar red pumps. They come in 12 and 24 vdc, 115 vac and manual operation. See page 104 for details (meters are also available).



## GET THE LAST DROP OUT OF YOUR DRUMS!

Most drum pumps are not able to completely empty a drum. That leaves a potentially messy situation of manually dumping the drum. Lutz has a solution (see bottom of page 99). They have created a drum pump in Polypro or stainless that utilizes a unique manually engaged check valve that allows you to remove almost 100% of the liquid in your container.

