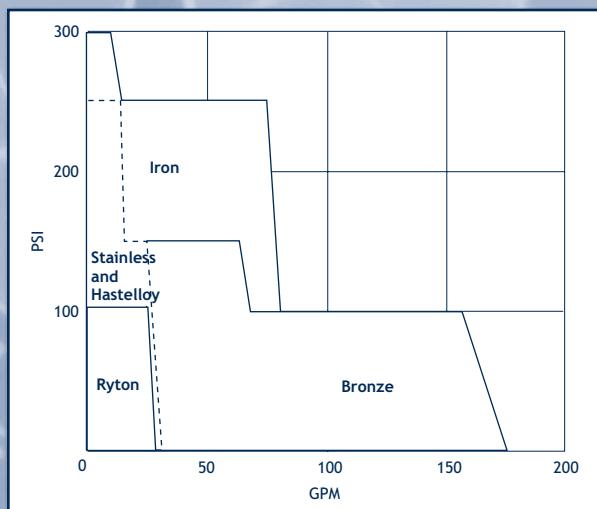


# GEAR PUMPS

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## RULES OF THUMB

### **Internal By-Passes Are For**

### **Emergencies Only!**

Continuous use of an internal by-pass will substantially increase liquid temperature within the pump and may result in the liquid boiling and pump damage. We recommend an external by-pass or variable speed drive for regulating flow.

### **Do Not Pump Solids With A Gear Pump!**

Solids contained in a liquid will enter the close tolerances of a gear pump and rapidly wear the gears and housing. We recommend looking at other positive displacement pumping principles when pumping solids. Call us for assistance.

### **Gear Pumps Can't Pump Water... Right?**

Not true. Use an Oberdorfer! Oberdorfer bronze gear pumps have been used for years on water. Call us for assistance in selecting the right model for your applications.

## TANDEM GEAR PUMP

These tandem Oberdorfer gear pumps are available in Ryton®, 316 Stainless steel and Hastelloy® C. They conserve space, require only one drive and can be customized to your specific applications by using different gear widths and materials for each pumping chamber.



## "GEAR REDUCED" 250 PSI STAINLESS GEAR PUMP



Haight's new 316SS internal gear pump design incorporates a built-in gear reduction that allows the pumping of liquid viscosities of up to 10,000ssu at 1800 rpm input speed. Three sizes are currently available in 10, 15 and 20 gallon per minute flows in sealed or magnetic drive configurations.

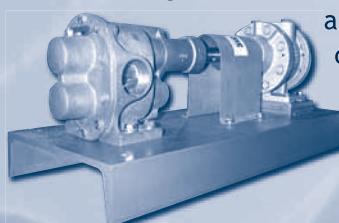
## VARIABLE SPEED, VISCOUS HANDLING

A customer required a portable pump to change lubrication fluids with a wide range of viscosities throughout a plant. The most cost effective solution was this 115 vac, close-coupled gear pump mounted to a variable speed drive through a 2:1 gear reducer. The customer uses higher speeds to maintain the full flow for lower viscosity oils and simply adjusts the speed down to handle the more viscous lubricants.



## AIR DRIVEN GEAR PUMP

Yes, it is possible! The customer for this pump wanted to transfer diesel at a high rate and with a smooth flow. He already tried an air operated diaphragm pump and could not tolerate the pulsation. This Oberdorfer gear pump assembly delivered 60 gallons per minute with smooth flow that exceeded his expectations.



## CUSTOM FILTER CART

A challenging application from a customer required two 115 vac cart mounted filter units to recycle oil... but not just one type of oil, 10W to 90W! The high viscosity of the 90W oil and the pressure drop it requires across a filter greatly limited the available choices. This was our solution; we can solve your challenging applications as well. Give us a try.

