



## DIAPHRAGM HAND PUMP

One of the most popular applications of diaphragm hand pump is as barrel pump, for emptying drums, barrels and carboys. It can handle all types of liquids, such as clear liquids, liquids containing solids, latexes (shear sensitive liquids/ thyrrotrophic liquids), slurries, corrosive liquids. It is ideal for handling of inflammable liquids, such as solvents, as its operation is without friction, and hence is suitable for flame-proof plant conditions. It is self-priming and requires no special mounting. Just dip suction tube in the barrel and apply handle. It can suck out the last drops of liquid from drum. 1" or 1.5" pump is recommended for this duty. It is a low cost substitute for motorized barrel pumps such as Lutz, Graco, etc. It can empty a 55 gallon (200 ltr) drum in 8 minutes (1" pump) or 4 minutes (1.5" pump). Depending on the application, these pumps are available in different materials of construction (MOC).

### Typical Applications of Different Size :

1"	Drum unloading, High head transfer, Re-packing, small capacity applications, diesel & petroleum product handling. For Diesel, oils, LDO, Fo, Kerosene our model in size 1" in cast iron with Nitrile Rubber parts is suitable. For Solvents our model in size 1" in CI/SS with EPDM/VITON Rubber parts is suitable. For Acid & Alkalis our model in size 1" PP with Neoprene Rubber parts is suitable
1.5"	Tanker unloading, Low Head transfer, High Capacity Transfer
2"	Very High capacity transfer at free discharge (no head), Effluent handling, Mud water, Construction sites, Manhole cleaning, Agriculture etc.



Video Link : [https://www.youtube.com/shorts/enaDWI\\_KsW8](https://www.youtube.com/shorts/enaDWI_KsW8)  
<https://www.youtube.com/watch?v=AvvxUoogMZI>