



428 Jones Boulevard Phone: (610)495-5131  
 Limerick Airport Business Center Fax: (610)495-5134  
 Pottstown, PA 19464 www.watsonmcdaniel.com

# EJECTORS (W-ELL/W-LM) INSTALLATION INSTRUCTIONS

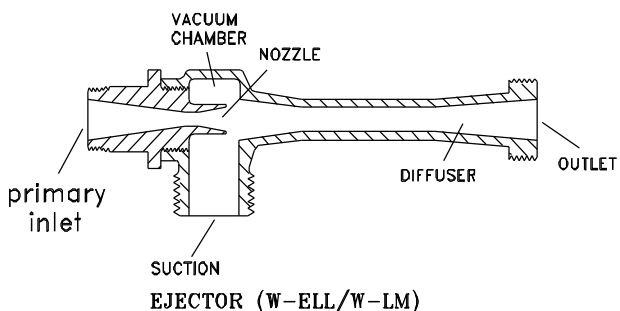
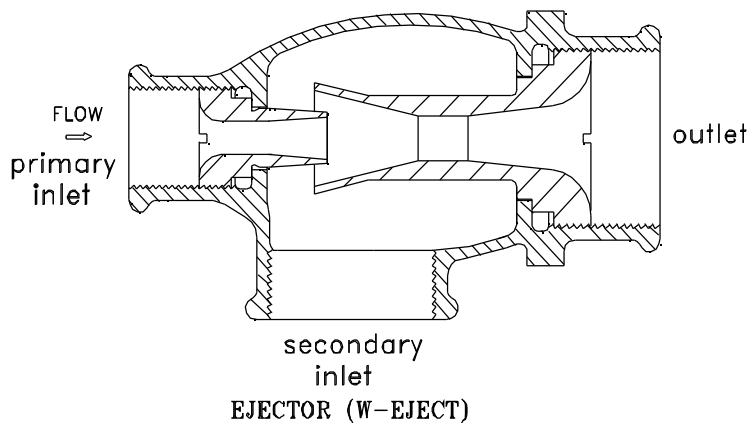
INSTRUCTION PART NO. 2367000 REVISION 0

## TYPICAL APPLICATION

Watson McDaniel Ejectors perform a variety of functions depending on the application and motive fluid (steam or water) used. Applications include exhausting, agitating, aerating, circulating, pumping and mixing.

## HOW IT WORKS

Using water, steam or air pressure as the motive force, ejectors operate on the principle that a high velocity flow through a nozzle will create a low pressure area around the nozzle discharge. The resulting vacuum will induce flow into a secondary inlet of ejector.

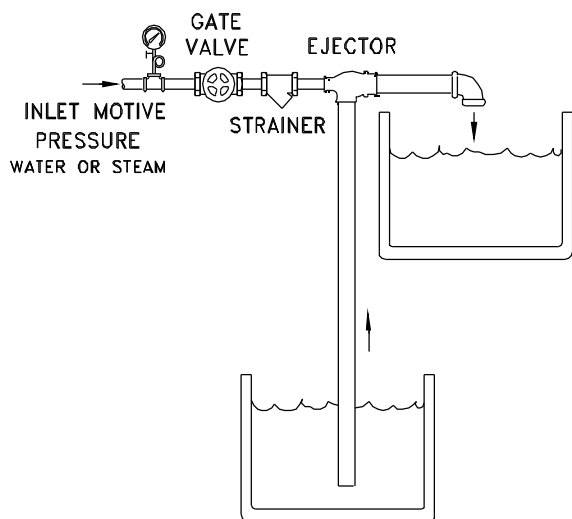


It is always desirable to keep the Ejector as close to the actual liquid being pumped as possible. The maximum height the liquid can be pumped depends on the pressure of the 'motive' liquid or steam available.

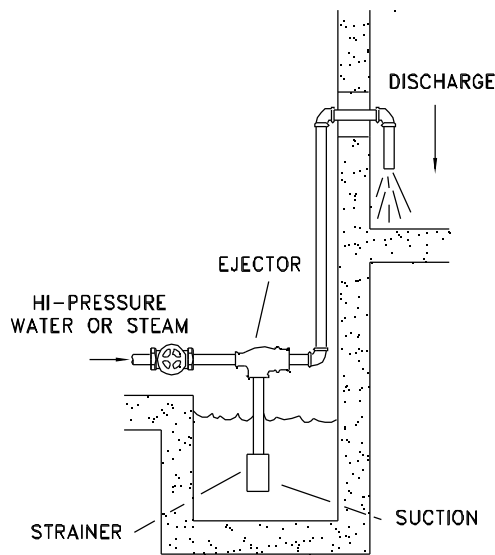
The maximum height that water or any liquid with a specific gravity of (1) one can be lifted is 27 ft. Increases in the temperature of the liquid you are trying to lift will cause this maximum height to decrease. We don't recommend pumping liquid in excess of 130°F. Please consult factory with any specific application questions.

## MAXIMUM OPERATING CONDITIONS

PMO	100 PSIG	PMA	250 PSIG up to 450°F
TMO	130°F	TMA	450°F @ 250 PSIG



EJECTOR LIFTING LIQUID



LIFTING WATER TO A HIGHER LEVEL WITH WATER OR STEAM PRESSURE

Each Watson McDaniel Company Product is warranted against defects in material and workmanship for one year from date of shipment. This warranty extends to the first retail purchaser only. All defective material must be returned to the person from whom you purchased the Product, transportation prepaid, free of any liens or encumbrances, and if found to be defective will be repaired free of charge or replaced, at the warrantor's or seller's option. If the material is replaced, any replacement will be invoiced in the usual manner and after inspection of alleged defective material an adjustment will be made for depreciation caused by purchaser's use. In no event will Watson McDaniel Company be liable to do more than refund the original contract price. Incidental and consequential damages are excluded, whether under this warranty or otherwise. All implied warranties, including warranties of merchantability and fitness for a particular purpose, are disclaimed and excluded.