

DESMI priming ejector

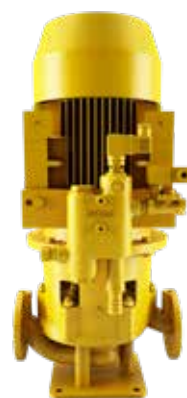


The DESMI priming ejector is designed for mounting on non-selfpriming centrifugal pumps thus making the pump unit self-priming. In order to make the unit work, the delivery pipe has to be shut off, e.g. by means of a non-return valve

Function:

Compressed air will flow through the ejector and create a vacuum in the pump casing and suction line. After priming, the pumps will build up pressure in the discharge line which will activate the pressure switch. The pressure switch then disconnect the power to the solenoid valves and the priming stops automatically.

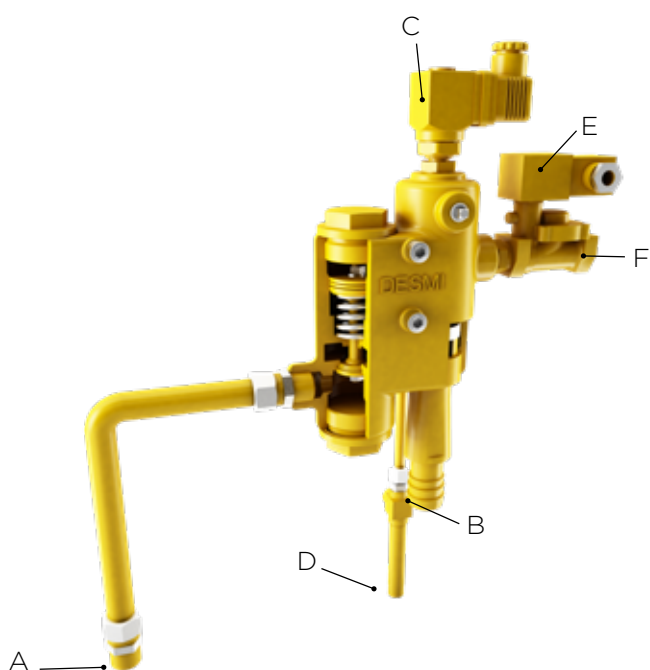
At a fluid pressure of e.g. 10 m / 33 ft total head the unit will disconnect automatically (adjustable from 3 - 100 m / 10 ft - 328 ft total head). If the pressure drops to less than 10 m / 33 ft total head, the unit will automatically start functioning until a counter pressure has been reestablished.



DESMI Standard for ESL pumps pressure switch on ejector



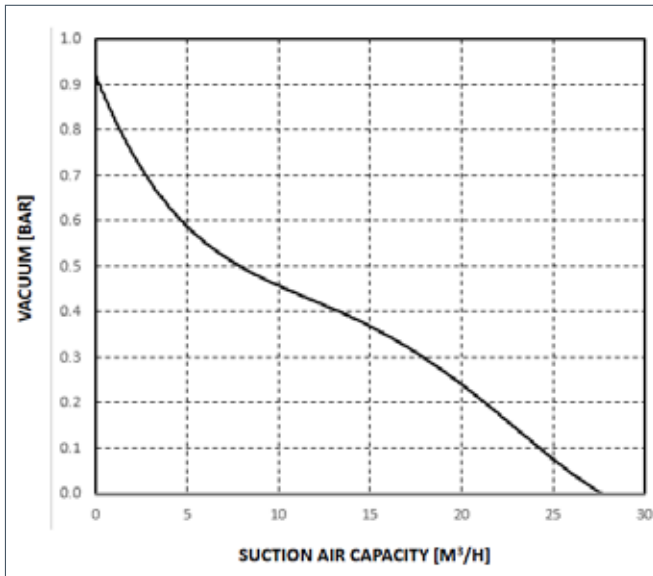
DESMI Standard for NSL and DSL pumps pressure switch on pump



- A. Ejector Suction
- B. Drain to Bilge
- C. Pressure Switch on Ejector
- D. Connection to Pump Discharge Slide
- E. Solenoid Valve
- F. Compressed Air

The DESM priming ejector can be supplied with two sizes of nozzles (Ø3.5 or Ø5.8) depending on the specific task.

Ejector performance curve Ø3.5



Ejector performance curve Ø5.8

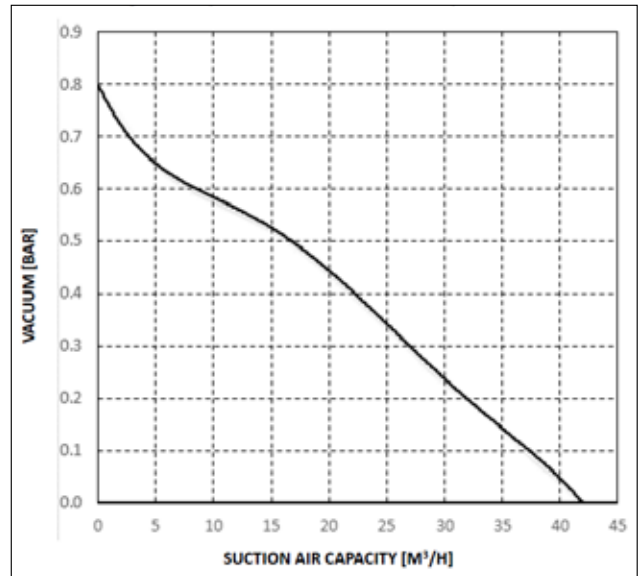


DIAGRAM FOR EJECTOR

