

PRODUCT DATA SHEET

November, 2008

EB3M AIR DIAPHRAGM PUMP (Stainless Steel Version)

GENERAL INFORMATION

This is an air-powered double diaphragm pump designed for applications requiring low flowrates and moderate head pressures. Performance is the same as the aluminum version, only the materials are different.

This pump must be supplied with an external source of compressed air to operate. It can run dry for extended periods of time without damage. The flowrate is varied by regulating the air supply.

PERFORMANCE DATA

» Flow (min/max):	.....	0 gpm / 250 gpm
» Minimum Shutoff Head:	.....	46 ft (20 psi) ⁽¹⁾
» Maximum Shutoff Head:	.....	231 ft (100 psi) ⁽¹⁾
» Air Pressure (min/max):	.....	20 psi
» Maximum Suction Lift:	.....	22 ft ⁽²⁾
» Maximum Temperature:	.....	212° F
» Maximum Solids Size:	.....	7/16"
» Displacement:	.....	1.25 gals/stroke

PHYSICAL SPECIFICATIONS

» Suction Flange:	.....	3" 125# ASA Flange
» Discharge Flange:	.....	3" 125# ASA Flange
» Air Inlet Port:	.....	¾" NPT (female)
» Overall Height:	.....	2'-10"
» Overall Width:	.....	1'-1"
» Air Exhaust Port:	.....	¾" NPT (female)
» Overall Length:	.....	2'-1"
» Total Weight:	.....	328 lbs.

MATERIAL SPECIFICATIONS

» Manifold Elbow:	.....	316 stainless steel
» Outer Chamber:	.....	316 stainless steel
» Inner Chamber:	.....	Cast Iron
» Outer Diaphragm Plate:	.....	316 stainless steel
» Inner Diaphragm Plate:	.....	Cast Iron
» Intermediate Housing:	.....	Cast Iron
» Diaphragm Rod:	.....	416 stainless steel
» Valve Seat:	.....	Viton
» Hardware:	.....	Plated steel
» Diaphragm:	.....	Viton
» Ball Valve:	.....	Teflon
» Air Valve:	.....	Cast Iron

Notes:

⁽¹⁾ Based on 1.0 specific gravity

⁽²⁾ For suction lifts exceeding 10 feet, fill the chambers with liquid prior to priming