



PRODUCT DATA SHEET

August, 1999

**SANDPIPER EB3M PUMP
(Aluminum 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 stainless steel 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

➤ Minimum Air Pressure:	.....	20 psi
➤ Maximum Air Pressure:	.....	100 psi
➤ Minimum Shutoff Head:	.....	46 ft (20 psi) ⁽¹⁾
➤ Maximum Shutoff Head:	.....	231 ft (100 psi) ⁽¹⁾
➤ Maximum Suction Lift:	.....	22 ft ⁽²⁾
➤ Minimum Flow:	.....	0 gpm
➤ Maximum Flow:	.....	250 gpm
➤ 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:	.....	190 lbs.

MATERIAL SPECIFICATIONS

➤ Manifold Elbow:	.....	Aluminum
➤ Outer Chamber:	.....	Aluminum
➤ Inner Chamber:	.....	Cast Iron
➤ Outer Diaphragm Plate:	.....	Aluminum
➤ Inner Diaphragm Plate:	.....	Cast Iron
➤ Intermediate Housing:	.....	Aluminum
➤ Diaphragm Rod:	.....	416 stainless steel
➤ Valve Seat:	.....	Teflon
➤ Hardware:	.....	Plated steel
➤ Diaphragm:	.....	Teflon over neoprene
➤ Ball Valve:	.....	Teflon
➤ Air Valve:	.....	Aluminum

Notes:

⁽¹⁾ Based on 1.0 specific gravity

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

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