



**PRODUCT DATA SHEET**

August, 1999

**SANDPIPER EB2M 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**

➤ <b>Minimum Air Pressure:</b>	.....	20 psi
➤ <b>Maximum Air Pressure:</b>	.....	100 psi
➤ <b>Minimum Shutoff Head:</b>	.....	44 ft (19 psi) <sup>(1)</sup>
➤ <b>Maximum Shutoff Head:</b>	.....	230 ft (100 psi) <sup>(1)</sup>
➤ <b>Maximum Suction Lift:</b>	.....	22 ft <sup>(2)</sup>
➤ <b>Minimum Flow:</b>	.....	0 gpm
➤ <b>Maximum Flow:</b>	.....	135 gpm
➤ <b>Maximum Temperature:</b>	.....	212° F
➤ <b>Maximum Solids Size:</b>	.....	¼"
➤ <b>Displacement:</b>	.....	0.43 gals/stroke

**PHYSICAL SPECIFICATIONS**

➤ <b>Suction Flange:</b>	.....	2" NPT (female)
➤ <b>Discharge Flange:</b>	.....	2" NPT (female)
➤ <b>Air Inlet Port:</b>	.....	¾" NPT (female)
➤ <b>Overall Height:</b>	.....	2'-0"
➤ <b>Overall Width:</b>	.....	1'-1"
➤ <b>Air Exhaust Port:</b>	.....	¾" NPT (female)
➤ <b>Overall Length:</b>	.....	1'-7"
➤ <b>Total Weight:</b>	.....	134 lbs.

**MATERIAL SPECIFICATIONS**

➤ <b>Manifold Elbow:</b>	.....	316 stainless steel
➤ <b>Outer Chamber:</b>	.....	316 stainless steel
➤ <b>Inner Chamber:</b>	.....	Aluminum
➤ <b>Outer Diaphragm Plate:</b>	.....	316 stainless steel
➤ <b>Inner Diaphragm Plate:</b>	.....	Plated steel
➤ <b>Intermediate Housing:</b>	.....	Aluminum
➤ <b>Diaphragm Rod:</b>	.....	416 stainless steel
➤ <b>Valve Seat:</b>	.....	Teflon
➤ <b>Hardware:</b>	.....	Plated steel
➤ <b>Diaphragm:</b>	.....	Teflon over neoprene
➤ <b>Ball Valve:</b>	.....	Teflon
➤ <b>Air Valve:</b>	.....	Aluminum

**Notes:**

<sup>(1)</sup> Based on 1.0 specific gravity

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

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