



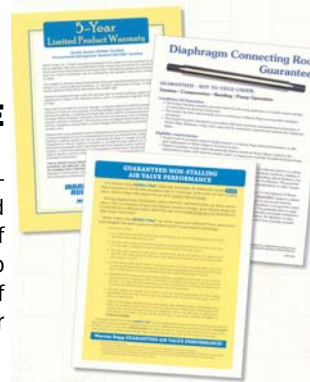
**KelairPumps**

## Features & Benefits

# Sandpiper Air-Operated Double Diaphragm Pumps

### NON-STALLING GUARANTEE

The Sandpiper air distribution system is covered, in writing, by a 'Non-Stalling' guarantee. This is a factory-backed assurance of the On / Off reliability of the pump. This is of critical importance in process applications. Warren Rupp (the manufacturer of Sandpiper pumps) is so confident of the reliability of the system, that should the pump stall, air system parts will be supplied free of charge.



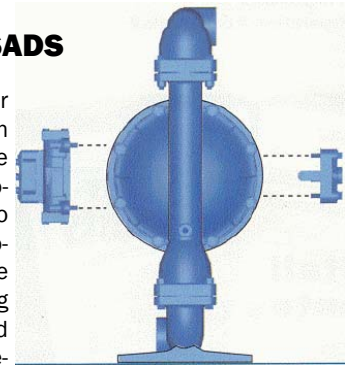
### CROSS-DRILLED TECHNOLOGY

A major cause of stalling is due to the centering of the main air valve spool. Sandpiper's unique 'Cross-Drilled' air system ensures this can never happen. Air at one end of the spool is constantly being replaced and pressurised which creates a large pressure differential. This pressure forces the spool to remain at the end of the valve preventing any chance of centering.



### ESADS

Externally Serviceable Air Distribution System (completely serviceable in-line) allows the components of the air system to be accessed without to totally stripping down the pump or disconnecting the pump from the liquid lines. This downtime-saving feature means the pump can stay in place while vital o-rings are inspected or replaced. Most other brands place the o-ring in the centre block which means the pump has to be removed and stripped. ESADS makes this lengthy operation a thing of the past.



### FULLY-BOLTED DESIGN

Sandpiper pumps are robust units with fully-bolted design which enhances the sealing capabilities of the elastomers to ensure leak-free operation. This is very important when transferring liquids with a low specific gravity and low viscosity as they have a tendency to seep through the slightest breach in a sealing area. Manufacturers of clamp band designed pumps acknowledge this is a problem. Bolted pumps are generally easier to assemble as careful alignment is unnecessary. Parts align automatically as the bolts are replaced. Teflon sealing tape is not required due to superior sealing properties.



### LUBRICATION FREE

Sandpiper air systems are designed to operate totally lubrication-free. This reduces the maintenance cost of lubricants and the need to constantly monitor lubrication systems. The environment around the pump is improved by the elimination of air-borne oil mist and creates healthier working conditions for operators.



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