

900-001 Extreme Foot Valve



IMPORTANT: READ THIS MANUAL CAREFULLY BEFORE INSTALLING, OPERATING, OR SERVICING THIS EQUIPMENT. Refer to Safety Instruction document 582184110



WHEN REPAIRING THE AIR MOTOR TURN OFF THE AIR SUPPLY AND BLEED THE MATERIAL PRESSURE FROM THE PUMPING SYSTEM.

SERVICE KITS

Use only SAMES Inc. replacement parts to insure compatibility and longest life.

- Fluid Section Repair Kit : 900-001RK
- Fluid section Seal Kit 900-001SK
- Packing Gland Seal Kit: See Packing Gland

SPECIFICATIONS

Johnstone Air Motor	Rexson Air Motor
6in. / 24:1	3000 -14cm / 20:1
8in. / 42:1	5000 -19cm / 37:1
10in. / 65:1	7000 - 25cm / 62:1
Volume cycle	197cc (12in ³)
Outlet Port Size	1 1/4in. NPT
Operating Range	0-442 bar (6500 Psi)
Maximum viscosity	15,000,000cP (Heavy Duty Elevator)



DO NOT OPERATE AIR MOTOR AT PRESSURES ABOVE 100PSI (6.8 BAR).

MAINTENANCE SCHEDULE

EVERY BARREL CHANGE:

1. Check/Add oil to the Packing Gland. Fill the Packing Cup with type "T" lubricant 668-990-001(Gallon) 668-990-002 (Quart)
2. Bleed air from Fluid Section.
3. Check for material Leakage: (rebuild if excessive)
4. Check for pump single stroking.
(single stroking is the displacement rod moving very quickly in a direction without a pump output). If the pump is signal stroking, bleed air from bleeder valve opposite the outlet port. If bleeding does not correct signal stroking rebuild Fluid Section.
5. Depressurize when not in use.

OPERATION

The Pump is double acting (output in both directions).

When the Pump is going in the up direction, the upper check closes and material is pumped out. The lower checks open allowing the lower chamber to be filled. The primer checks help bring viscous material into the chamber. In the down direction the upper check opens and the lower check closes allowing material to be pumped out. The different diameters of the piston rod displace the material.

