

Main Features

- **High Quality materials and surface treatments** are used in the construction of these pumps to ensure extended operational life, including Stainless steel fluid sections, ideal for waterborne, solvent based and other paints.
- **Horizontal Short Stroke Design** - Equal thrust on both pistons provide identical flow and pressure for both strokes. Permits a higher cycle rate than conventional vertical Pumps and thus more flexibility for paint flow range.
- **Bellows seal** - No exposed shaft seal packing eliminating the need for maintenance and lubrication of the shaft packing. Vital to the user when pumping Light (UV) and Moisture sensitive (Catalyst) materials.
- **Fluid Sections** - Tungsten carbide ball seats & ceramic coated pistons, ensure maximum operating life between servicing providing capability for pumping aggressive and abrasive materials.
- **Low Ice Air Motor** - No Lubricator required. Control Valve uses quick exhaust technology (Patented design) to remove risk of valve icing and stalling.
- **Control Valve** - Robust Metal spool and sleeve valves for long service life, incorporating magnetic detent to eliminate stall condition (Patented design).
- **Stroke Counter Port** - Option to monitor Pump life cycle data.
- **Sanitary inlet and outlet connections** guarantee a smooth internal pipe connection without paint entrapment pockets.
- **Fluid Connections** - Inlet and outlet connections, guarantee a smooth internal pipe connection without paint entrapment pockets.

Description

The Maple Pump is a horizontal piston pump for pumping Solvent / Waterborne Paints, Solvents and other suitable materials. The unit combines an energy efficient air motor with low shear fluid section technology from the range of Smart Electric Pumps.

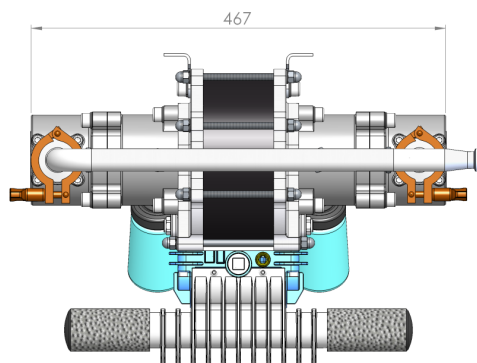
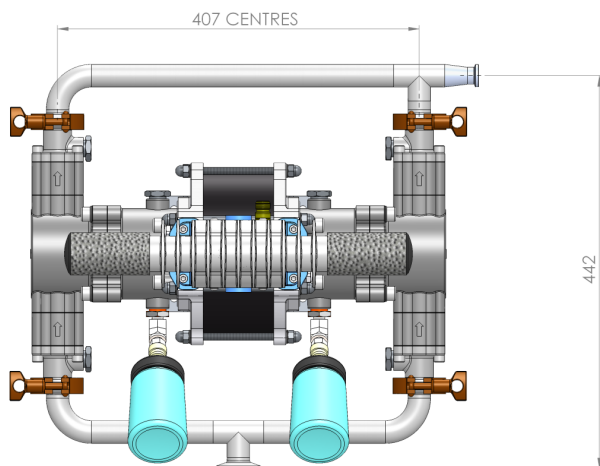
The patented air valve design ensures a positive magnetic detent for the main and pilot air valves thus removing the possibility for a stall condition. The air motor also utilises the patented Binks Low Ice quick exhaust technology to prevent air valve freezing conditions when high cycle speeds are employed.

Equal thrust on each stroke due to the horizontal configuration incorporating the dual piston rod design gives a balanced fluid pressure output and reduces fluid pressure fluctuations to a minimum.

A bellows provides piston shaft protection, whilst a main piston seal maintains the pump fluid pressure within the pressure chamber. When the main piston seal starts to pass fluid due to wear, any leakage passes into the dynamic chamber and thus into the indicator bottle.

Specifications

Description	Unit
Part Number	104016
Recommended max. Continuous Cycle Rate	-
Intermittent Cycle Rate	20 Cycles / min 40 Cycles / min
Fluid Volume / Cycle	0.475 Litres / 0.125 US Gall
Equivalent Flow @ 60 Cycle/min	7.5 US Gal / 28.4 L
Air Volume / cycle	0.65 SCFM (18.5 L/m) @ 90 psi (6.2 Bar)
Ratio	4.5:1
Air Inlet Pressure	15 - 90 psi / 1 - 6.2 Bar
Max. Fluid Pressure	390 psi / 27 Bar
Air inlet size	3/8" BSP / NPS
Fluid Inlet Connection	1" Sanitary
Fluid Outlet Connection	3/4" Sanitary
Weight	30 Kg / 66 Lb



Accessories

Part. No.	Description
192006	1" Sanitary Gasket
192009	1½" Sanitary Clamp
192821	1" BSP Heavy Duty Mufflers