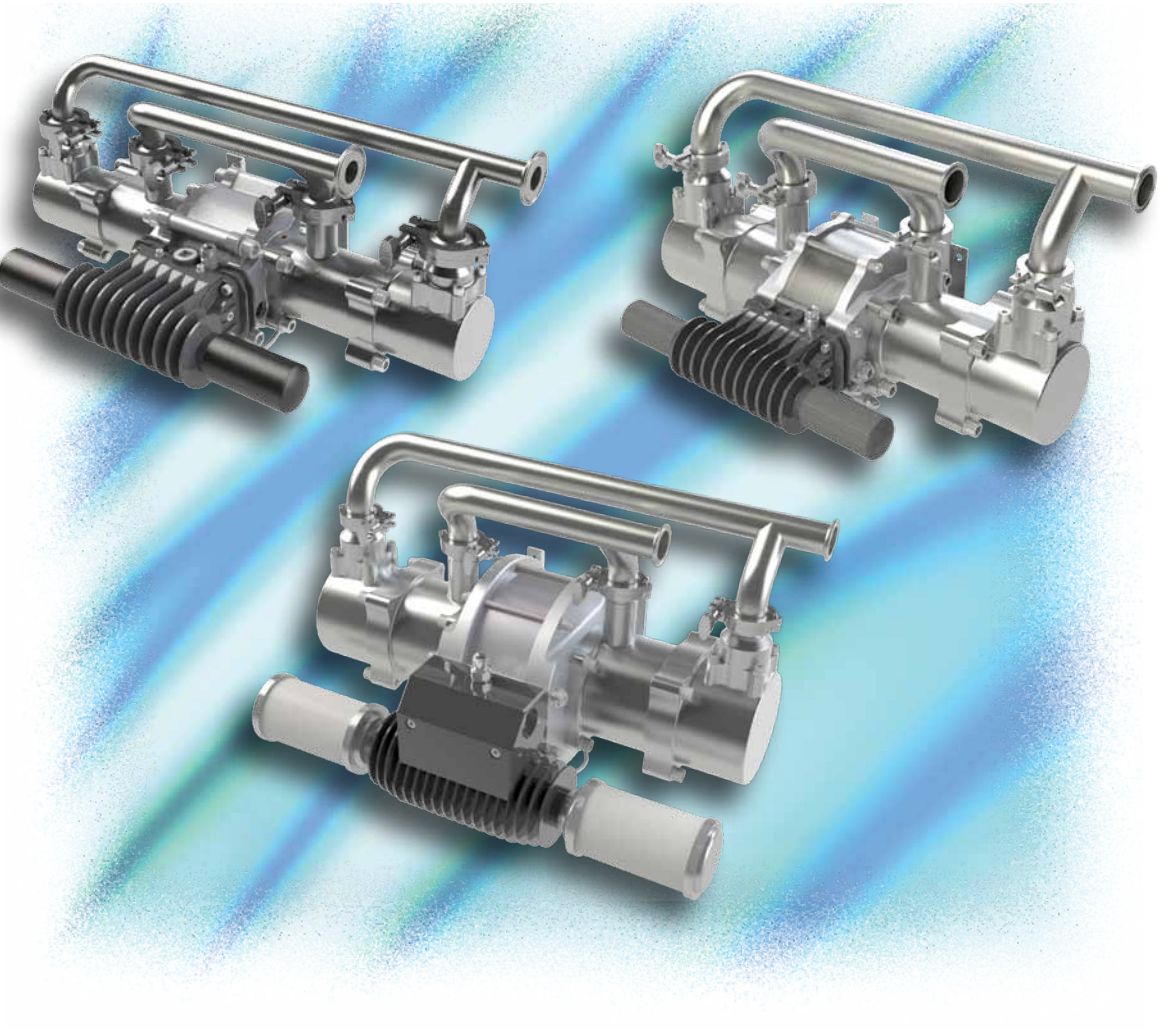
BINKS

# New Maple Pump



## The Finishing Industry's Best Pump Solution:

- *Handles the troublesome and difficult coatings*
  *- From high solids to CARC to UV*
  *- From moisture sensitive to shear sensitive*
- *Reliable operation*
- *Simple to maintain*
- *Hydraulically efficient*

# 4 Reasons Why the Binks Maple is the Finishing Industry's Best:

## 1 Handles the Troublesome and Difficult Coatings

- *From high solids to CARC to UV.*
- *From moisture sensitive to shear sensitive.*
- *Both sides of fluid seal are flooded with fresh material.*

## 2 Reliable Operation

- *Backup seal ensures you can keep on pumping until the next shift. No need to shut down entire facility if a bellow seal fails.*
- *Quick exhaust valve enables rapid switchover and smooth flow.*
- *Quick exhaust valve herds cooling/icing away from the air logic for the industry's most reliable motor.*
- *Tough construction — these pumps are made from hardened and chemically resistant materials including tungsten carbide, ceramic coated stainless steel, stainless steel, and fluoroplastic.*

## 3 Simple to Maintain

- *Inspection hose indicates when it's time to replace bellows.*
- *Backup seal ensures material doesn't enter air motor if bellows seal fails.*
- *No "upper seal" to keep lubricated or adjusted.*

## 4 Hydraulically Efficient

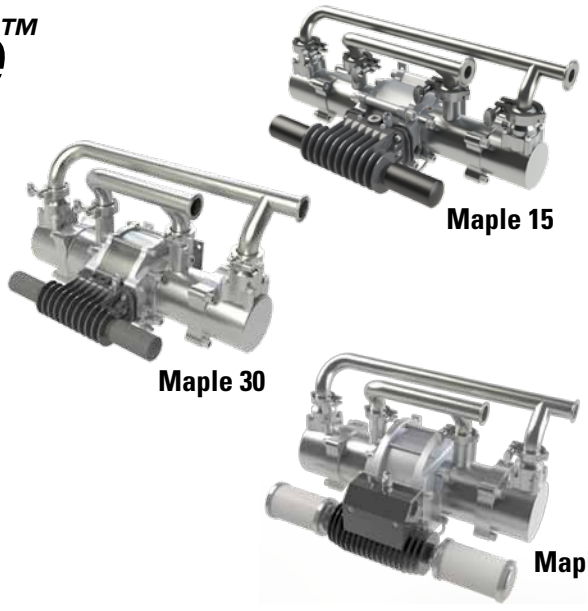
- *Piston seals are always engaged. If the air motor is consuming air, you're moving fluid, unlike some competitive designs.*

# Binks Maple™

*horizontally opposed piston pump series*

## Used worldwide with the following coating systems:

- *Waterborne*
- *High Solids*
- *High Abrasives*
- *CARC*
- *UV Cured*
- *Solventborne*



Maple 15

Maple 30

Maple 60

## The Finishing Industry's Best **Air Motor**

**Magnetic detent air logic requires less force to switch over. The result is smoother flow and lower minimum operating pressure.**

**Lube free air logic. Lubrication + water + dirt = mud. The Maple pump uses no lubricant in the air logic and requires no external lubrication.**

**Quick Exhaust valve and poppet actuated air logic gives you two benefits:**

- *If icing occurs, it is away from the air logic, virtually eliminating "stalling".*
- *Extremely quick switchover performance for smoother flow.*

**Low ice air motor. The Maple pump controls where any icing happens: away from the air logic. The result is the industry's most reliable air motor even with moist air.**

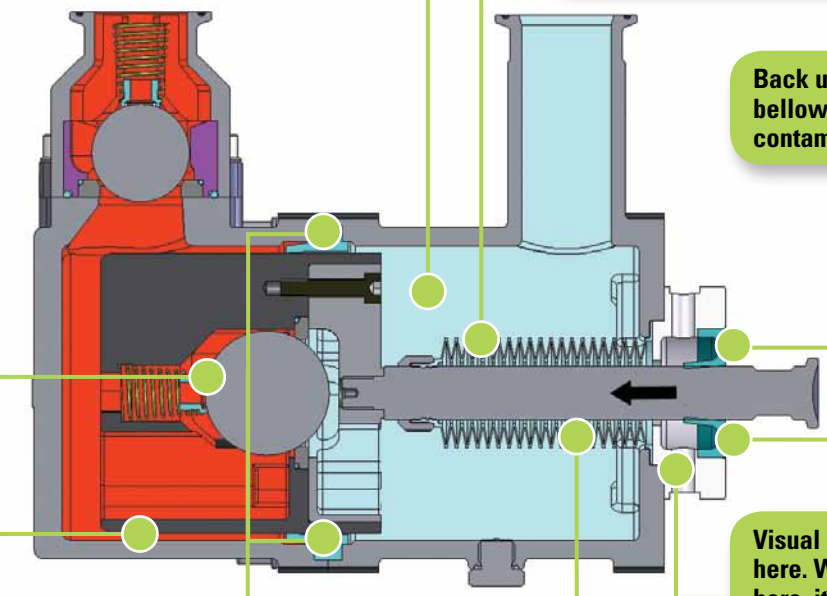
**Easy to maintain. Repair air valve in 5 minutes.**

## The Finishing Industry's Best **Fluid Section**

**Both sides of seal are flooded with fresh material. Troublesome materials such as UV, waterborne, moisture sensitive or shear sensitive coatings simply aren't a problem.**

**Binks Maple Pump "Run to Failure" bellows system:**

- *Has more convolutions than competition to minimize stresses and increase life.*
- *Is made of fluoroplastic with chemical resistance properties similar to PTFE.*



**Back up u-cup seal. When the bellows wear out, you won't contaminate the air motor!**

**Lower ball check is in fluid piston.**

**Ceramic pistons and tungsten carbide seats give you the industry's best maintenance cycle.**

**Backup Seal**

**Visual inspection hose attaches here. When you see material here, it's time to change the bellows. But you can keep on pumping until the next shift!**

**Seal is always engaged so you're always moving fluid. You'll consume significantly less air than you would if using a competitive design.**

**Bellows**

# Ordering Information

| | Maple 15 | Maple 30 | Maple 60 | Maple 20 AFP<br>For use with piggable systems with push and solvent air chop. |
|---|---|---|---|---|
| Order # | 104009 | 104010 | 104020 | 104016 |
| Weight | 46 lbs (21 kg) | 66 lbs (30 kg) | 145 lbs (66 kg) | 77 lbs (35 kg) |
| Ratio | 3:1 | 3:1 | 3:1 | 4.2:1 |
| Flow @ 60 Cycles/Min | 6 | 12 | 24 | 6.8 |
| Displacement/Cycle | 375 cc/0.1 gal | 750 cc/0.2 gal | 1,500 cc/0.4 gal | 475 cc/0.125 gal |
| Inlet Fluid Connection | 1" Sanitary | 1 ½" Sanitary | 1 ½" Sanitary | 1" Sanitary |
| Outlet Fluid Connection | 1" Sanitary | 1 ½" Sanitary | 1 ½" Sanitary | ¾" Sanitary |
| Air Connection Wetted Materials | ⅜ NPS (m) / BSP (m) | ⅜ NPS (m) / BSP (m) | ⅜ NPS (m) / BSP (m) | ⅜ NPS (m) / BSP (m) |
| Max Fluid Pressure | 300 psi | 300 psi | 300 psi | 420 psi |
| Air Consumption @ 45 psi | 0.17 scfm/cycle | 0.33 scfm/cycle | 0.75 scfm/cycle | 0.33 scfm/cycle |
| Max Air Inlet Pressure | 100 psi | 100 psi | 100 psi | 100 psi |
| Max Recommended Continuous Cycle Rate | 20 cpm | 20 cpm | 20 cpm | 20 cpm |
| Optional Connection Kit<br>(Includes: 2 clamps, 2 gaskets, 2 sanitary to NPT adaptors) | 502717<br>1" Sanitary to ¾" NPT (m) | 502716<br>1 ½" Sanitary to 1" NPT (m) | 502716<br>1 ½" Sanitary to 1" NPT (m) | n/a |

# Accessories

| Order # | Description |
|---|---|
| 107750 | LS BPR, ¾" Ports, Stainless Steel, No Gauge |
| 104050-X-X* | Active Flushable Surge Eliminator (Includes 108121 Reservoir and 108121 Air Intensifier) |
| 104053-X-X* | Non-Active Surge Chamber |
| 202-55-2 | 1.5 HP Heavy Duty Agitator, 55 gal Cover, 2 Paddles |
| 106946 | Electric Agitator - AC Inverter |
| 106948 | Electric Agitator - Manual Variator |

*Contact your local Binks representative to fully configure.

107 Series Low Shear BPRs

104 Series Surge Chambers

Electric and Air Operated Agitators

37 Series Bag Filters

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