

# BINKS MX LITE SERIES

**Air Assisted Airless and Airless Spray Packages**

**FLUID HANDLING**



Ideal for air assist airless spray finishing,  
supporting 1 to 2 spray guns,  
with thin to medium viscosity coatings.



## BINKS MX LITE SERIES

### Air Assisted Airless Piston Pumps

The Binks MX LITE spray packages include the Binks Stainless Steel MXL high pressure pumps with Binks Trophy AA Air Assisted Airless or A75 Airless Spray Guns.

MX LITE outfits have been designed to provide users with a low cost, robust industrial spray outfit, able to apply a wide range of industrial coatings whilst providing the very best quality of spray finish.



## COATING TYPES AND APPLICATIONS

### Suitable For These Materials:

- Wood-Stains, Lacquers & Varnishes
- Primers, Sealers & Catalysed Lacquers
- Solvent OR Waterborne Coatings
- Enamels & Polyurethane's
- Plus many others...



WOOD



AEROSPACE



AGRICULTURAL  
AND OFF ROAD



MARINE INDUSTRY



TRUCK AND BUS

## BINKS MX LITE SERIES FEATURES

**Patented Air Valve Technology:** Enables pump to change over quickly to significantly reduce pulsation

**Long Lasting Ceramic Coated Piston Rods:** Superior wear resistance lasting up to three times longer than hard chrome pistons

**Designed To Pump Longer With Less Downtime & Extended Packing Life:** Self-adjusting spring loaded fixed packings last up to 3X longer than the competition. Large sight glass for visual packing inspection

**Binks Trophy AA and A75 guns:** Provide the latest atomisation technology

**Stainless Steel system—pump and gun**

**5 Year Limited Warranty:** Best in class warranty for finishing equipment. Manufactured to ISO9001





**Quality Passport for Binks MX LITE Pumps:**

- Modular construction means reduced number of parts for easy and fast maintenance.
- All wetted parts are Stainless Steel—Ideal for use with solvent and water based paints/materials
- Fixed, spring tension packings—Lower maintenance and reduced running costs
- All valve seats are Tungsten Carbide - Long durable working life
- Ceramic coated piston—Extra wear resistance, longer packing life.
- Pump packings PTFE/UHMWPE mix (other packing choices available).

**MX LITE Packages include:-**

Binks MXL pump mounted on tripod/wall/cart/pail with gun, air and pump fluid controls. 7.5 metre Air and Fluid Hoses. Binks Trophy AA 4400 with AA10 air cap\* or A75 Spray Gun and Tip with gun mounted stainless steel edge type fluid filter.  
(\*Tip size to be specified at time of order)

**Binks Trophy AA spray gun -  
The best “fit and feel” of any AAA gun around**

- Light weight gun with ergonomic handle reduces operator stress and fatigue
- Light trigger-pull design for less operator strain & RSI
- Easy to remove “IN-LINE” needle reduces repair time
- One tool trigger removal speeds up maintenance and downtime
- Adjustable packing can be tightened without disassembly
- Anodized aluminium air caps guard against corrosion
- HVLP and LVMP Technologies provide a wider choice of spray options
- Unique Twist Tip option quickly & easily removes clogs

| GUN SPECIFICATIONS                  |                    |                    |
|-------------------------------------|--------------------|--------------------|
|                                     | Trophy AA          | A75                |
| Air/fluid inlet thread              | 1/4" BSP/NPS (M)   | 1/4" NPS           |
| Fluid passageways                   | Stainless Steel    | Stainless Steel    |
| Gun weight                          | 540g               | 660g               |
| Gun body                            | Forged Aluminium   | Anodised Aluminium |
| Max working fluid pressure          | 303 bar (4400 psi) | 571 bar (7500 psi) |
| Max air inlet pressure              | 6.9 bar (100 psi)  | -                  |
| Seat                                | Tungsten Carbide   | -                  |
| Stainless steel inline paint filter | 100 mesh           | -                  |

# BINKS MX LITE SERIES

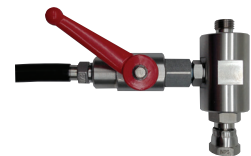
## Air Assisted Airless Piston Pumps

### PUMP SPECIFICATIONS

| Pump Specification                 | MXL 4/12             | MXL 4/32              | MXL 12/05            | MXL 12/12            | MXL 12/31            |
|------------------------------------|----------------------|-----------------------|----------------------|----------------------|----------------------|
| Ratio                              | 12:1                 | 32:1                  | 4.8:1                | 12:1                 | 31:1                 |
| Max inlet pressure                 | 8.0 bar<br>(116 psi) | 8.0 bar<br>(116 psi)  | 8.0 bar<br>(116 psi) | 8.0 bar<br>(116 psi) | 8.0 bar<br>(116 psi) |
| Flow rate nominal                  | 1.4 l/min            | 1.4 l/min             | 4.3 l/min            | 4.3 l/min            | 4.3 l/min            |
| Flow rate max                      | 4.0 l/min            | 4.0 l/min             | 12 l/min             | 12 l/min             | 12 l/min             |
| Volume/Cycle                       | 24 cm <sup>3</sup>   | 24 cm <sup>3</sup>    | 72 cm <sup>3</sup>   | 72 cm <sup>3</sup>   | 72 cm <sup>3</sup>   |
| Max operating pressure             | 96 bar<br>(1390 psi) | 256 bar<br>(3600 psi) | 39 bar<br>(557 psi)  | 96 bar<br>(1390 psi) | 248 bar<br>(557 psi) |
| Cylinder Diameter                  | 55 mm                | 85 mm                 | 55 mm                | 85 mm                | 140 mm               |
| Piston Stroke                      | 75 mm                | 75 mm                 | 75 mm                | 75 mm                | 75 mm                |
| Air consumption<br>@ 20 cycles/min | 62.5 l/min           | 147 l/min             | 62.5 l/min           | 147 l/min            | 498 l/min            |



Premium fine finish and twist tip range available



Optional dump valve adaption kit for outfits without filters. Pt No. 0115-010672

### MXL Lite Ordering Information

**MXL**   **A** **B** - **C** - **D** - **E**  
Bare Pump

#### A - PUMP TYPE

1205 = 12 l/min - Ratio 5:1  
1212 = 12 l/min - Ratio 12:1  
1231 = 12 l/min - Ratio 31:1  
1231 = 4 l/min - Ratio 12:1  
432 = 4 l/min - Ratio 32:1

#### B - PACKINGS

PU = PTFE/UHMWPE Supplied as standard  
PL = PTFE/Leather  
PP = PTFE/PTFE Excl. 1205  
UC = U-Cups

#### C - MOUNTING TYPE

W = Wall  
C = Cart  
T = Tripod 412 & 432 Only  
P = Pail 432 only

#### D - OPTIONS

= No Filter Leave blank  
F = Filter 100 Mesh  
G = Gravity Hopper 432(W or C or T) Only  
FG = Filter & Hopper 432(W or C or T) Only

#### E - TECHNOLOGY

AC = Air Assisted Airless Controls  
ACG = AAA with Trophy AA Spray Gun + 7.5m Hoses  
AL = Airless Controls 1231PU / 432PU Only  
ALG = Airless with A75 Spray Gun + 7.5m Hoses 1231PU / 432PU Only

Choose the Binks MXL Pump Outfit for your application from the chart below:

| Binks MX Lite Pump outfit<br>Contents and Part Numbers | MXL412PU-T-AC | MXL412PU-W-AC | MXL412PU-T-F-ACG | MXL412PU-T-FG-ACG | MXL432PU-T-AC | MXL432PU-T-ACG | MXL432PU-T-F-ACG | MXL432PU-T-G-ACG | MXL432PU-T-FG-ACG | MXL432PU-W-AC | MXL432PU-W-F-AC | MXL432PU-W-F-ACG | MXL432PU-W-FG-ACG | MXL432PU-C-F-ACG | MXL432PU-C-FG-ACG | MXL432PU-P-F-AC | MXL1205UCU-W-F-AC | MXL1205UCU-C-F-ACG | MXL1212PU-W-F-AC | MXL1212PU-C-ACG | MXL1231PU-W-F-AC | MXL1231PU-W-ACG | MXL1231PU-W-F-ACG | MXL1231PU-C-AC | MXL1231PU-C-F-AC | MXL1231PU-C-F-ACG | MXL1231PU-W-F-AL | MXL1231PU-W-ALG | MXL1231-W-F-ALG | MXL1231PU-C-F-AL |   |
|--------------------------------------------------------|---------------|---------------|------------------|-------------------|---------------|----------------|------------------|------------------|-------------------|---------------|-----------------|------------------|-------------------|------------------|-------------------|-----------------|-------------------|--------------------|------------------|-----------------|------------------|-----------------|-------------------|----------------|------------------|-------------------|------------------|-----------------|-----------------|------------------|---|
| MXL 4/12 Bare Pump                                     | ■             | ■             | ■                | ■                 |               |                |                  |                  |                   |               |                 |                  |                   |                  |                   |                 |                   |                    |                  |                 |                  |                 |                   |                |                  |                   |                  |                 |                 |                  |   |
| MXL 4/32 Bare Pump                                     |               |               |                  |                   | ■             | ■              | ■                | ■                | ■                 | ■             | ■               | ■                | ■                 | ■                | ■                 | ■               |                   |                    |                  |                 |                  |                 |                   |                |                  |                   |                  |                 |                 |                  |   |
| MXL 12/05 Bare Pump                                    |               |               |                  |                   |               |                |                  |                  |                   |               |                 |                  |                   |                  |                   |                 | ■                 | ■                  |                  |                 |                  |                 |                   |                |                  |                   |                  |                 |                 |                  |   |
| MXL 12/12 Bare Pump                                    |               |               |                  |                   |               |                |                  |                  |                   |               |                 |                  |                   |                  |                   |                 |                   |                    | ■                | ■               |                  |                 |                   |                |                  |                   |                  |                 |                 |                  |   |
| MXL 12/31 Bare Pump                                    |               |               |                  |                   |               |                |                  |                  |                   |               |                 |                  |                   |                  |                   |                 |                   |                    |                  | ■               | ■                | ■               | ■                 | ■              | ■                | ■                 | ■                | ■               | ■               | ■                | ■ |
| High pressure filter assy St St                        |               |               |                  | ■                 | ■             |                | ■                |                  | ■                 |               |                 | ■                | ■                 | ■                | ■                 | ■               | ■                 | ■                  | ■                | ■               | ■                | ■               | ■                 | ■              | ■                | ■                 | ■                | ■               | ■               | ■                | ■ |
| Pail Mounted                                           |               |               |                  |                   |               |                |                  |                  |                   |               |                 |                  |                   |                  |                   |                 |                   |                    |                  |                 |                  |                 |                   |                |                  |                   |                  |                 |                 |                  |   |
| Tripod Mounted                                         | ■             |               | ■                | ■                 | ■             | ■              | ■                | ■                | ■                 |               |                 |                  |                   |                  |                   | ■               |                   |                    |                  |                 |                  |                 |                   |                |                  |                   |                  |                 |                 |                  |   |
| Cart Mounted                                           |               |               |                  |                   |               |                |                  |                  |                   |               |                 |                  |                   | ■                | ■                 | ■               |                   |                    |                  |                 |                  |                 |                   |                |                  |                   |                  |                 |                 |                  |   |
| Wall Mounted                                           |               |               |                  |                   |               |                |                  |                  |                   |               | ■               | ■                | ■                 | ■                | ■                 | ■               |                   | ■                  | ■                | ■               | ■                | ■               | ■                 | ■              | ■                | ■                 | ■                | ■               | ■               | ■                | ■ |
| Airless controls                                       |               |               |                  |                   |               |                |                  |                  |                   |               |                 |                  |                   |                  |                   |                 |                   |                    |                  |                 |                  |                 |                   |                |                  |                   |                  |                 |                 |                  |   |
| Air Assisted Airless controls                          | ■             | ■             | ■                | ■                 | ■             | ■              | ■                | ■                | ■                 | ■             | ■               | ■                | ■                 | ■                | ■                 | ■               |                   | ■                  | ■                | ■               | ■                | ■               | ■                 | ■              | ■                | ■                 | ■                | ■               | ■               | ■                | ■ |
| St St metal suction pipe/filter                        | ■             |               | ■                | ■                 | ■             | ■              | ■                | ■                | ■                 |               |                 |                  |                   |                  |                   | ■               | ■                 | ■                  | ■                | ■               | ■                | ■               | ■                 | ■              | ■                | ■                 | ■                | ■               | ■               | ■                | ■ |
| Flexible suction hose assy & filter                    |               | ■             |                  |                   |               |                |                  |                  |                   | ■             | ■               | ■                | ■                 | ■                | ■                 | ■               | ■                 | ■                  | ■                | ■               | ■                | ■               | ■                 | ■              | ■                | ■                 | ■                | ■               | ■               | ■                | ■ |
| Gravity Hopper (6 litre)                               |               |               |                  | ■                 |               |                |                  |                  | ■                 |               |                 |                  | ■                 | ■                | ■                 | ■               | ■                 | ■                  | ■                | ■               | ■                | ■               | ■                 | ■              | ■                | ■                 | ■                | ■               | ■               | ■                | ■ |
| Hose & Gun                                             |               |               | ■                | ■                 | ■             | ■              | ■                | ■                | ■                 |               |                 |                  |                   | ■                | ■                 | ■               |                   | ■                  | ■                | ■               | ■                | ■               | ■                 | ■              | ■                | ■                 | ■                | ■               | ■               | ■                | ■ |

Binks MXL pump outfits are fully assembled, tested and ready to spray.

### Binks MXL Series 5-Year Warranty

Binks® warrants to the original end-use purchaser that the Binks branded products "MXL" shall not fail under normal use and service due to a defect in material or workmanship within five (5) years from the date of shipment from Binks. Does not include normal wear and tear parts.



For further technical information refer to the Binks MX Lite Service Bulletins



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