BINKS LOW PRESSURE DIAPHRAGM FLUID REGULATORS WITH ZINC BODY

84-346 KEY OPERATED
84-415 REMOTE CONTROL (OBSOLETE)

PARTS LIST

When ordering, please specify Part No.

<table>
<thead>
<tr>
<th>ITEM NO.</th>
<th>PART NO.</th>
<th>DESCRIPTION</th>
<th>QTY.</th>
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<td>SOC. HD. CAP SCREW 10-24 x 1&quot;...</td>
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<td>RETAINER.....................</td>
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* Parts used only on Model 84-346 Regulator.
◆ Before installing regulator, tighten all 6 flange screws securely.
▲ Part of Repair Kit No. 84-591.
■ Part of Seal Kit Part No. 84-592.
In this part sheet, the words **WARNING**, **CAUTION** and **NOTE** are used to emphasize important safety information as follows:

<table>
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<tr>
<th><strong>WARNING</strong></th>
<th><strong>CAUTION</strong></th>
<th><strong>NOTE</strong></th>
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<td>Hazards or unsafe practices which could result in severe personal injury, death or substantial property damage.</td>
<td>Hazards or unsafe practices which could result in minor personal injury, product or property damage.</td>
<td>Important installation, operation or maintenance information.</td>
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</table>

**WARNING**

Read the following warnings before using this equipment.

- **READ THE MANUAL**
  Before operating finishing equipment, read and understand all safety, operation and maintenance information provided in the operation manual.

- **WEAR SAFETY GLASSES**
  Failure to wear safety glasses with side shields could result in serious eye injury or blindness.

- **DE-ENERGIZE, DEPRESSURIZE, DISCONNECT AND LOCK OUT ALL POWER SOURCES DURING MAINTENANCE**
  Failure to de-energize, disconnect and lock out all power supplies before performing equipment maintenance could cause serious injury or death.

- **OPERATOR TRAINING**
  All personnel must be trained before operating finishing equipment.

- **EQUIPMENT MISUSE HAZARD**
  Equipment misuse can cause the equipment to rupture, malfunction, or start unexpectedly and result in serious injury.

- **KEEP EQUIPMENT GUARDS IN PLACE**
  Do not operate the equipment if the safety devices have been removed.

- **HIGH PRESSURE CONSIDERATION**
  High pressure can cause serious injury. Relieve all pressure before servicing. Spray from the spray gun, hose leaks, or ruptured components can inject fluid into your body and cause extremely serious injury.

- **PRESSURE RELIEF PROCEDURE**
  Always follow the pressure relief procedure in the equipment instruction manual.

- **ELECTRIC SHOCK/GROUNDING**
  Improper grounding or sparks can cause a hazardous condition and result in fire, explosion or electric shock and other serious injury.

- **PROJECTILE HAZARD**
  You may be injured by venting liquids or gases that are released under pressure, or flying debris.

- **INSPECT THE EQUIPMENT DAILY**
  Inspect the equipment for worn or broken parts on a daily basis. Do not operate the equipment if you are uncertain about its condition.

- **NEVER MODIFY THE EQUIPMENT**
  Do not modify the equipment unless the manufacturer provides written approval.

- **FIRE AND EXPLOSION HAZARD**
  Improper equipment grounding, poor ventilation, open flame or sparks can cause hazardous conditions and result in fire or explosion and serious injury.

- **KNOW WHERE AND HOW TO SHUT OFF THE EQUIPMENT IN CASE OF AN EMERGENCY**
  Never operate the equipment if it is missing parts or damaged.

- **STATIC CHARGE**
  Fluid may develop a static charge that must be dissipated through proper grounding of the equipment, objects to be sprayed and all other electrically conductive objects in the dispensing area. Improper grounding or sparks can cause a hazardous condition and result in fire, explosion or electric shock and other serious injury.

- **PROP 65 WARNING**
  WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

**IT IS THE RESPONSIBILITY OF THE EMPLOYER TO PROVIDE THIS INFORMATION TO THE OPERATOR OF THE EQUIPMENT.**

FOR FURTHER SAFETY INFORMATION REGARDING BINKS AND DEVILBISS EQUIPMENT, SEE THE GENERAL EQUIPMENT SAFETY BOOKLET (77-5300).
INSTALLATION DATA

Installation is simplified by the use of a swivel nut inlet connection (see illustration). This is standard on all models; it eliminates the cost of a union, and provides a quick and convenient method to easily remove the unit from the line.

NOTE
Due to variations in diaphragm stretch, fluid flow may not shut-off when the pressure is backed off to zero. Install an inlet valve if complete shut-off is required.

| Regulation Range | 1 to 12 PSI | 0.84 Kg/CM² |
| Max. Rec. Flow | 12 Oz./Min. | 357 C.C./Min. |
| Max. Inlet Pressure | 100 PSI | 7 Kg/CM² |

OPERATING INSTRUCTIONS

MOUNTING: Regulator (3/8” NPT (m) Inlet) may be mounted in either a horizontal or vertical position. However, in all cases: to operate properly, gauge riser tube must be in a vertical position.

REGULATION: Use slotted end of key. Clockwise rotation increases pressure; counter-clockwise rotation reduces pressure.

NOTE
Fluid should be flowing through regulator when regulating pressure.

BLOW BACK: Use hexagon end of key. Turn counterclockwise and gauge will read inlet pressure (main line pressure).

To shut off, turn key clockwise and gauge will return to normal regulated reading when flow begins.

CAUTION
When blowing back to reverse-flush regulator, be sure air pressure does not exceed maximum rating of gauge.

BUZZING: When regulated pressure climbs, it normally indicates dirt on the seat; trigger gun rapidly to flush seat. If climbing continues, open regulator to main line to flush. If climbing still persists, replace valve and seat.

SERVICE INSTRUCTIONS

TO REPLACE FLUID VALVE AND SEAT:
Remove regulator from line by loosening the swivel nut; always blow back regulator before removing. At inlet, remove (counter-clockwise rotation) slotted cap nut with screwdriver; ball valve will slide off rod. Unscrew (counter-clockwise rotation) hexagon inlet retainer; valve seat will be removed with retainer.

Remove valve seat from retainer and replace if worn. Ball valve may be reversed and reused unless both sides are worn.

TO REPLACE DIAPHRAGM:
Remove regulator from line. At inlet, remove slotted cap nut with screwdriver; ball valve will slide off rod.

Remove bonnet by loosening (6) socket head cap screws. Clamp diaphragm assembly in vise, loosen nut (13) and remove diaphragm.

To reassemble: reverse above procedure.
WARRANTY POLICY

Binks products are covered by Finishing Brands one year materials and workmanship limited warranty. The use of any parts or accessories, from a source other than Finishing Brands, will void all warranties. For specific warranty information please contact the closest Finishing Brands location listed below.

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