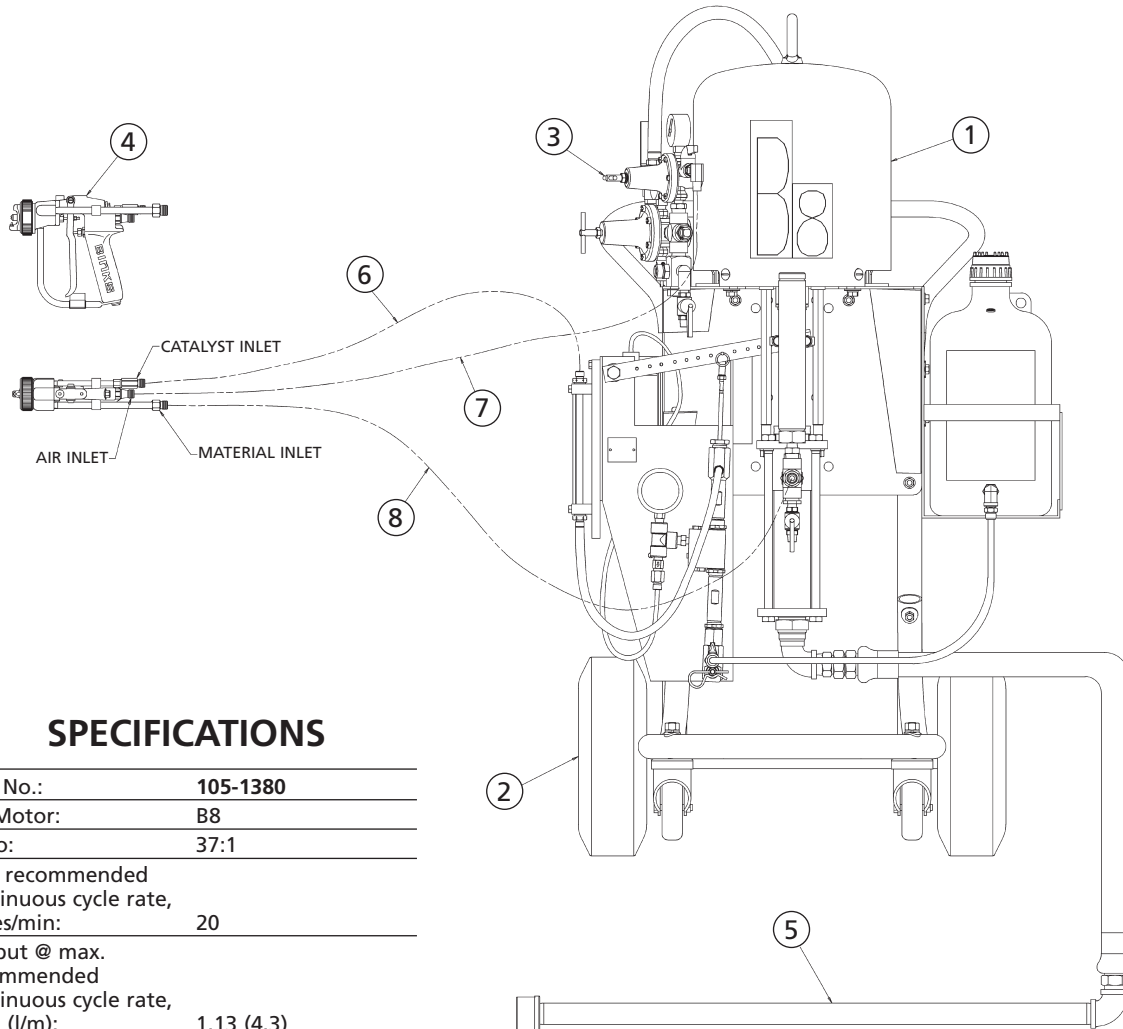


Operations & Maintenance Manual for B8-D VINYL ESTER SYSTEM MODEL 105-1380 EXTERNAL MIX



SPECIFICATIONS

Part No.:	105-1380
Air Motor:	B8
Ratio:	37:1
Max recommended continuous cycle rate, cycles/min:	20
Output @ max. recommended continuous cycle rate, gpm (l/m):	1.13 (4.3)
Output @ 60 cycles/min, gpm (l/m):	3.4 (12.9)
Maximum air input pressure, psi (bar):	80 (5.5)
Maximum fluid pressure, psi (bar):	2960 (204)
Air requirements @ 20 cycles/min and 80 psi, SCFM (l/m):	37 (140)
Inlet size, air:	1/2" NPS (m)
Inlet size, resin:	1" NPT (f)
Outlet size, resin:	3/8" NPS (m)
Outlet size, catalyst:	1/4" NPS (m)

Wetted Parts (Resin Pump):
Aluminum, Stainless Steel, Chrome Plated Steel, EPR, **PTFE**, UHMWPE

Wetted Parts (Catalyst Pump):
Stainless Steel, UHMWPE, **PTFE**, Silicone Rubber

NOTE

This system does not include a tip for the gun. Please refer to Part Sheet 77-2520 for tip selection.

PARTS LIST

When ordering, please specify Part No.

ITEM NO.	PART NO.	DESCRIPTION	QTY.
1	103-1788	B8-D PUMP ASSEMBLY	1
2	207-12285	SMALL CART ASSEMBLY	1
3	103-1733	AIR CONTROL ASSEMBLY	1
4	102-2545	CENTURY VINYL ESTER GUN (SEE NOTE) ..	1
5	103-1068	SIPHON KIT, 1 IN. 55 GAL.	1
6	102-3030	CATALYST HOSE, 50 FT.	1
7	71-1206	AIR HOSE, 50 FT.	1
8	71-8425	MATERIAL HOSE, 50 FT.	1

! WARNING



**HIGH PRESSURE CAN CAUSE SERIOUS INJURY IF EQUIPMENT IS INSTALLED OR USED INCORRECTLY—
READ, UNDERSTAND, AND OBSERVE ALL WARNINGS AND INSTRUCTIONS IN THIS MANUAL.
FOR GENERAL SAFETY INFORMATION CONCERNING BINKS EQUIPMENT, SEE SAFETY BOOKLET 77-5300.
INSTALL, OPERATE OR SERVICE THIS EQUIPMENT ONLY AFTER
ALL INSTRUCTIONS ARE CLEARLY UNDERSTOOD.**

It is the responsibility of the employer to place this information into the hands of the operator.

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

INJECTION HAZARD

1. The sprayer pumps coatings at high pressure. If you spray yourself or anyone else at close range, the stream of material can puncture the skin and cause great harm (possible amputation).
2. **NEVER** point the spray gun at yourself or anyone else. The tip guard provides some protection against injection injuries, but is mainly a warning device. **NEVER** remove the tip guard. **NEVER** point the spray gun at your hands, fingers, or body. **ALWAYS** keep the spray gun trigger safety catch locked in the **OFF** position when not in use.
3. **DO NOT** cover the tip guard and attempt to "blow back" fluid. This is not an air sprayer.
4. If injury occurs, see your doctor immediately! **DO NOT TREAT THIS AS A SIMPLE CUT.** Inform your doctor specifically of what fluid was injected.

AVOID STATIC SPARKING

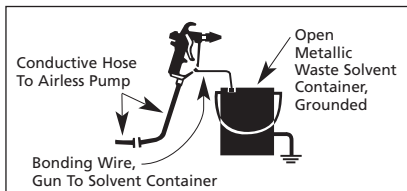
Static electricity charge builds up by high velocity liquid flowing through a hose during flushing, cleaning, or spraying operations. Proper grounding of the airless system safely dissipates this charge.

Grounding the pump:

Installation of the ground wire attachment to a metallic portion of the pump must insure a secure metal-to-metal contact. The ground wire must be 12 gauge minimum. A clamp must be attached to a true earth ground and an instrument test must be done to verify a ground. Mounting is the user's responsibility.

All high pressure airless systems must be grounded to avoid dangerous static sparking, explosion, or fire when spraying or flushing with flammable liquids.

1. Use Binks **NO-WIRE** conductive hose in all airless spraying operations. Be sure the gun and hose have continuity. Check continuity weekly with ohmmeter. Overall (end to end) resistance of un-pressurized hose must not exceed 29 mega ohms (max.) for any coupled length or combination of hose lengths.
2. Make sure the pump is grounded. **NEVER** operate the unit when it is on a non-grounded platform.
3. When flushing or cleaning with a combustible solvent, always use an open metallic container for receiving the waste solvent. Ground the solvent receptacle.
4. Bond the spray gun to the waste container with a grounding wire. Be sure there is good metal to metal contact.
5. **ALWAYS** remove spray tip when flushing the system. Operate the pump at the lowest possible pressure.



PERSONAL SAFETY CONSIDERATIONS

1. **NEVER** leave a pressurized sprayer unattended.
2. **DO NOT** use fluids, coatings, or chemicals which are not compatible with nylon hoses.
3. Periodically inspect all hoses for leaks and/or abrasions and tighten all connections before use. **DO NOT ATTEMPT TO REPAIR** a defective hose. **REPLACE** it with another conductive hose.

4. Follow all warnings and precautions of the coating and solvent manufacturers.
5. **ALWAYS** relieve pressure in the system by turning bypass valve to **BYPASS** or triggering spray gun before disassembly of any component parts.
6. Exhausting air from a motor cycling with the mufflers removed can exceed OSHA limits. Thus, never operate the pump without proper muffling.
7. **NEVER** attempt to loosen or remove fluid hoses, or to disassemble the pump without first performing the pressure relief procedure as listed on page 4.
8. **NEVER** perform any disassembly procedure unless the air motor air supply has been turned off, the residual air has been exhausted, and pressure in the air motor and fluid ends have been relieved. Should air pressure remain within the motor chamber, the motor could cycle at any time.
9. Keep hands and fingers clear of the pump manifold fluid inlet and the individual inlets. The powerful suction can cause serious bodily injury, and any breaks in the skin can allow exposure to the chemicals in the formulation being pumped.
10. Pressure relief procedure must be followed whenever the pump is shut-off for cleaning, servicing, or repairing any part of the air or fluid system. This includes removing or installing or cleaning spray gun tips or nozzles. See the pressure relief procedure on page 4.

REPLACEMENT PARTS

The pump is designed to use authorized parts only. When using this pump with parts that do not comply with the minimum specifications and safety devices of Binks, the user assumes all risks and liabilities.

! WARNING



When using Binks equipment with Methyl Ethyl Ketone Peroxide in Plasticizer OBSERVE the following precautions

CORROSIVE TO THE EYES – MAY CAUSE BLINDNESS. MAY BE FATAL IF SWALLOWED. STRONG IRRITANT. CONTAMINATION OR HEAT MAY LEAD TO FIRE OR EXPLOSIVE DECOMPOSITION. COMBUSTIBLE.



Do not handle or use until safety precautions concerning Methyl Ethyl Ketone Peroxides in the Manufacturer's literature have been read and understood.

Contact with foreign materials, especially strong mineral acids, metals (including certain equipment and containers) or metal salts, or exposure to heat above 135° F (57° C) may lead to violent decomposition, releasing flammable vapors which may self-ignite.

Do not get into eyes or on skin or clothing. Wear eye and skin protection when handling. Avoid breathing mist. Use with adequate ventilation. Store only it in the original closed container. Wash hands thoroughly after handling. Protect from direct sunlight, heat, sparks and other sources of ignition. Prevent contamination with foreign materials. Do not add to hot materials.

FIRST AID

EYES

Wash immediately (seconds count) with water and continue washing for at least 15 minutes. Obtain medical attention.

SKIN

Wash with soap and water. Remove contaminated clothes and shoes and again wash thoroughly with soap and water.

SWALLOWING

Administer large quantities of milk or water. Obtain immediate medical attention for lavage.

To maintain the chemical activity store below 100° F (38° C).

In case of fire, use water spray, foam or dry chemical.

In case of spill or leak, absorb or blend with inert, non-combustible material. Put in suitable container. Dispose of immediately in accordance with federal, state and local regulations.

Do not reuse container as some of the original hazardous contents may still be present.

Follow the above precautions in handling.

READ & UNDERSTAND THE MATERIAL SAFETY DATA SHEET FROM MATERIAL SUPPLIER

! WARNING



Binks PUMPS are constructed with components of aluminum alloy and SHOULD NOT be used with any Halogenated Hydrocarbon solvents.

HALOGENATED HYDROCARBON SOLVENTS CAN CAUSE AN EXPLOSION WHEN IN CONTACT WITH ALUMINUM COMPONENTS OF A PRESSURIZED OR CLOSED FLUID SYSTEM (PUMPS, HEATERS, FILTERS, etc.)

The same possibility of an explosion is possible with the galvanized coatings in pressure tanks. The possibility of a non-flammable explosion increases greatly at high operating temperatures.

The explosion could be of sufficient strength to cause bodily injury, death, and substantial property damage.

Cleaning agents, coatings, or adhesives may contain HALOGENATED HYDROCARBON SOLVENTS. CHECK WITH YOUR SOLVENT AND PAINT SUPPLIER.

If you are now using a Halogenated Hydrocarbon Solvent in a pressurized fluid system with aluminum components or galvanized wetted parts, the following steps should be taken immediately:

1. Remove all pressure; drain and disconnect the entire system.
2. Inspect and replace all corroded parts.
3. Contact your solvent supplier for a NON-HALOGENATED SOLVENT to flush and clean the system of all residues.

HALOGENATED Solvents are defined as any hydrocarbon solvent containing any of the following elements:

CHLORINE	"CHLORO" (Cl)
BROMINE	"BROMO" (Br)
FLUORINE	"FLUORO" (F)
IODINE	"IODO" (I)

Of those listed, the Chlorinated Solvents will most likely be the type used as a cleaning agent or solvent in an adhesive or coating. The most common are:

METHYLENE CHLORIDE
1,1,1, TRICHLOROETHANE
PERCHLOROETHYLENE

Although stabilizers have been added to some of the solvents to reduce their corrosive effect, **we are aware of none that will prevent these solvents from reacting under all conditions with aluminum components or galvanized coatings.**

Previous use of the solvents under pressurized conditions, without incident, does not necessarily indicate that it can be considered safe.

MOUNTING & INSTALLATION

INSTALLATION NOTES:

1. Be sure that you comply with all federal, state, and local codes before installation.
2. Use a compatible thread compound on all tapered male pipe threads to guard against leakage and to lubricate threads for assembly.
3. Use a 1" or larger hose or pipe to supply material to the inlet manifold of the resin pump.
4. Use the included Grounding Wire to connect the air motor to a suitable earth grounded location (for example: air or water pipe). Be sure to check continuity, ensuring proper grounding.

OPERATION & MAINTENANCE

AIR AND LUBE REQUIREMENTS

WARNING

EXCESSIVE AIR PRESSURE may cause personal injury, pump damage or property damage. **DO NOT** exceed 80 PSI (5.5 bar) to the air inlet.

1. Use at least a 1/2" air supply line. Check to see if a maximum air requirement of 20 to 85 SCFM can be continuously provided. **DO NOT** use any quick disconnects (QD's) on air lines.
2. Filtered and oiled air will allow the pump to operate more efficiently and yield a longer life to operating parts and mechanisms. See the air motor's part sheet (77-2213) for information on compatible oils.
3. Use an air regulator on the air supply to control the pump cycle rate. This will help to prolong the life of the pump.

TRANSPORT AND STORAGE

1. Store in a dry place; do not remove product from box during storage.
2. Do not remove protection caps from inlet and outlet prior to installation.
3. Do not drop or damage the box; handle with care.

WARNING

There are many pinch points on the pump assembly. Pinch points are basically any areas where there are exposed moving parts.

These moving parts can entangle, crush, and cut.

Do not operate equipment with guards or other safety devices removed. Never reach under or around guards or other safety devices.

PRESSURE RELIEF PROCEDURE

1. Turn off the air supply to the pump.
2. Disengage the spray gun safety latch or dispensing valve lockout control. Refer to Part Sheet 77-2520.
3. Hold a metal part of the gun or valve firmly in contact with a grounded metal (only) waste container. Trigger the gun into container to relieve fluid pressure. Check gauges to ensure zero pressure. *
4. Engage the spray gun safety latch.

5. Open the pump bypass valve or drain valve (required in system) to ensure pressure is relieved. Use a container to capture the drainage from a drain valve.
6. Allow the bypass valve to remain open until you are ready to spray again.

WARNING

To reduce the risk of serious bodily injury from moving parts, fluid injections, and splashing in the eyes or on the skin, always follow this procedure whenever the pump is shut off; when checking, repairing, or servicing any part of the system; when installing or changing spray nozzles; and whenever spraying is stopped.

*Follow procedure literature supplied with the spray gun or dispensing valve. If you have reason to suspect that the spray nozzle or hose is clogged or that all residual pressure cannot be fully relieved after following the above steps, VERY SLOWLY loosen the hose end coupling with a wrench and relieve pressure gradually, then loosen completely. If the nozzle or hose obstruction cannot be cleared completely, or is suspect, replace the nozzle or hose. Do not reuse.

MAINTAINING THE PRESSURE RELIEF DEVICE

CAUTION

Vinyl ester systems are assembled with and require a pressure relief device on the catalyst portion of the system to prevent the catalyst pump from becoming over-pressurized and possibly damaging the pump and/or ratio arm.

Periodically check the performance of the pressure relief device by:

1. Ensure the resin and catalyst pumps are primed and the pump is stalled at the appropriate working pressure with the dispensing device turned "off".
2. Slowly open the bypass or drain valve downstream from the outlet to allow the pump to cycle.
3. Allow catalyst pressure to increase to the cracking pressure of the pressure relief device.
4. If pressure continues to increase beyond the cracking pressure STOP IMMEDIATELY and relieve the pressure by triggering the dispensing device. DO NOT continue until the problem has been corrected.
5. If pressure remains at the cracking pressure while the pump cycles, the relief device is working properly.

OPERATION & MAINTENANCE

NOTE

EMERGENCY SHUT DOWN OF PUMP:
To shut down the pump in an emergency:
Close the main air inlet ball valve supplied with the system.
The main air inlet ball valve is a relieving type and will relieve any air pressure in the air motor.

FLUSH PUMP BEFORE OPERATION

The pump was factory tested with lightweight oil. Some residue is left in to protect the pump parts. If this could contaminate the fluid you are pumping, flush it thoroughly with a compatible solvent. To start the pump, follow the procedure in the following section, Start and Adjust Pump.

NOTE

Flush the pump with a solvent compatible with the material to be pumped.
The pump was tested with oil at the factory.

⚠ WARNING

Do not use Acetone or other incompatible solvents to flush MEKP from the catalyst pump.
Consult with catalyst manufacturer to determine best solvent.
Read & understand catalyst manufacturers' safety precautions.

PRIMING THE CATALYST PUMP

Catalyst priming is typically performed before priming of the resin pump.

1. Disconnect the catalyst pump from the ratio arm by pulling the quick-release pin at the top of the pump.
2. Open valve to allow flow of catalyst to pump. If siphoning catalyst, place siphon hose end in a new container of catalyst.
3. Open the catalyst portion of dispensing device and manually pump the catalyst pump until all air is purged and a steady stream of catalyst is observed.
4. DO NOT reconnect the catalyst pump to the ratio arm until the resin pump is primed and you are ready to spray.

STARTING AND ADJUSTING RESIN PUMP

1. Install pump per "installation notes" on page 4.
2. Place the siphon hose in the fluid to be pumped, or connect to fluid supply line.
3. Close all resin bypass and/or drain valves attached to the system, and the pump air valve.
4. With the air regulator closed, open the main air inlet ball valve.
5. Open the fluid control device while continuing with the following steps.
6. Slowly adjust the pump air regulator to provide enough air pressure to allow the pump to cycle slowly until all the air is purged out of the lines and the pump

is primed (fluid flowing in a steady stream from the fluid outlet).

7. If you are flushing the pump:
 - a. Slowly cycle pump enough to thoroughly clean both the pump and hoses.
 - b. Close the gun or fluid control dispensing device and air regulator.
 - c. Close the pump air valve.
 - d. Remove the siphon hose from the solvent and place it in the fluid to be pumped.
8. If you are going to place the pump in service:
 - a. Start the pump. If siphoning, be sure the suction hose is in the supply container and that the tube end is below the fluid level.
 - b. If you are using the pump to spray hold gun firmly against a grounded metal waste container and trigger into the container to prime the hose. Engage the trigger lock, and install a spray tip in the gun. Adjust the pump pressure just enough to obtain desired spray pattern. Higher pressures are unnecessary and only cause premature nozzle and pump wear.
 - c. Connect the catalyst pump by aligning the rod end on top of the pump to the correct ratio hole on the ratio arm, then push the quick release pin through both parts.
 - d. Trigger the spray gun or fluid control device to observe proper flow of resin and catalyst.
 - e. The vinyl ester pump is only to be used in a dead-end system and will cycle upon demand only.

SHUT DOWN

If you are removing the pump from service or the pump is to remain idle for an extended period:

1. Flush the resin and catalyst pumps thoroughly before shutting down, especially if pumping a material that will react to time or heat.
2. Remove the siphon hoses from the supply containers and cycle the pumps to force fluid out of the systems.
3. Prime the pump with a compatible solvent and shut off the air supply. Follow the Pressure Relief Procedure Warning on page 4. Also, follow the MAINTENANCE instructions on this page.

⚠ WARNING

To reduce the risk of fluid injection, static sparking, and splashing, read and follow Flushing Safety under FIRE OR EXPLOSION printed earlier in this part sheet.

⚠ CAUTION

NEVER allow the pump to run dry of fluid. A dry pump can accelerate to a high cycle speed, possibly damaging itself. If pump accelerates quickly, or is running too fast, stop it immediately. If the supply is empty and air has been pumped into the lines, refill the container and again prime the pump and leave filled with a compatible solvent. Be sure to eliminate all air from the systems.

OPERATION & MAINTENANCE

Regular maintenance will prolong the life of the pump, reduce down time, and lower repair costs.

MAINTENANCE

- The air motor is completely separate from the lower pump(s), keeping the air motor from being contaminated by the material being pumped.
- Check the resin pump's solvent cup often and ensure that there is sufficient solvent or Binks Pump Packing Lubricant (p/n 42-175) to keep material from drying on the pump rod, eventually ruining the seals and scouring the pump rod. The resin pump's solvent cup does not need tightening as it is a self-aligning, spring energized seal. See part sheet 77-2780 for details.
- The catalyst pump's upper seal is a packing stack and may be tightened if catalyst begins to leak from the packing nut. Be sure to de-pressurize the catalyst portion of the system before attempting any maintenance on the pump. See part sheet 77-2728 for details.

1. Flush the pump with a compatible solvent
 - a. Flush often enough to extend life of piston seal and to prevent fluid from drying in the pump.
 - b. ALWAYS flush before storing.
 - c. For maximum protection, be sure to eliminate all air from the system.

NOTE

Check all fittings. Be sure they are tight. Be sure to use PTFE tape thread sealant, which is compatible with all fluids, on all male pipe threads.

2. Tighten threaded connections
 - a. Check all hoses before each use for wear or damage and replace as necessary. Be sure all threaded connections are tight.
 - b. Check and tighten all threaded connections, including manifold screws, clamps, plugs, and valve screws at least every six months.
3. Check and service the air regulator, following the service instructions supplied with air control components.

PREVENTIVE MAINTENANCE SCHEDULE

TASK	DAILY	WEEKLY	AS NEEDED
Check hoses for wear, kinks	X		
Check for seal leaks	X		
Check catalyst / resin ratio	X		
Empty catalyst relief bottle	X		
Add lube or solvent to solvent cup	X		
Check tightness of bolts, pivot points		X	
Check performance of catalyst relief valve		X	
Lube pivot points			X
Rebuild Catalyst Pump*			X
Rebuild Resin Pump*			X
Rebuild Air Motor*			X

*See caution note below

CAUTION

The user of this equipment is responsible for creating and adhering to a preventive maintenance program to prevent sudden failure of any of the components. Continued operation of the pump with damaged parts may lead to sudden failure and damage to other components. If the pump is not operating properly, STOP IMMEDIATELY and consult the appropriate part sheets to determine the cause of the problem and appropriate remedy.

MAINTENANCE TOOL LIST

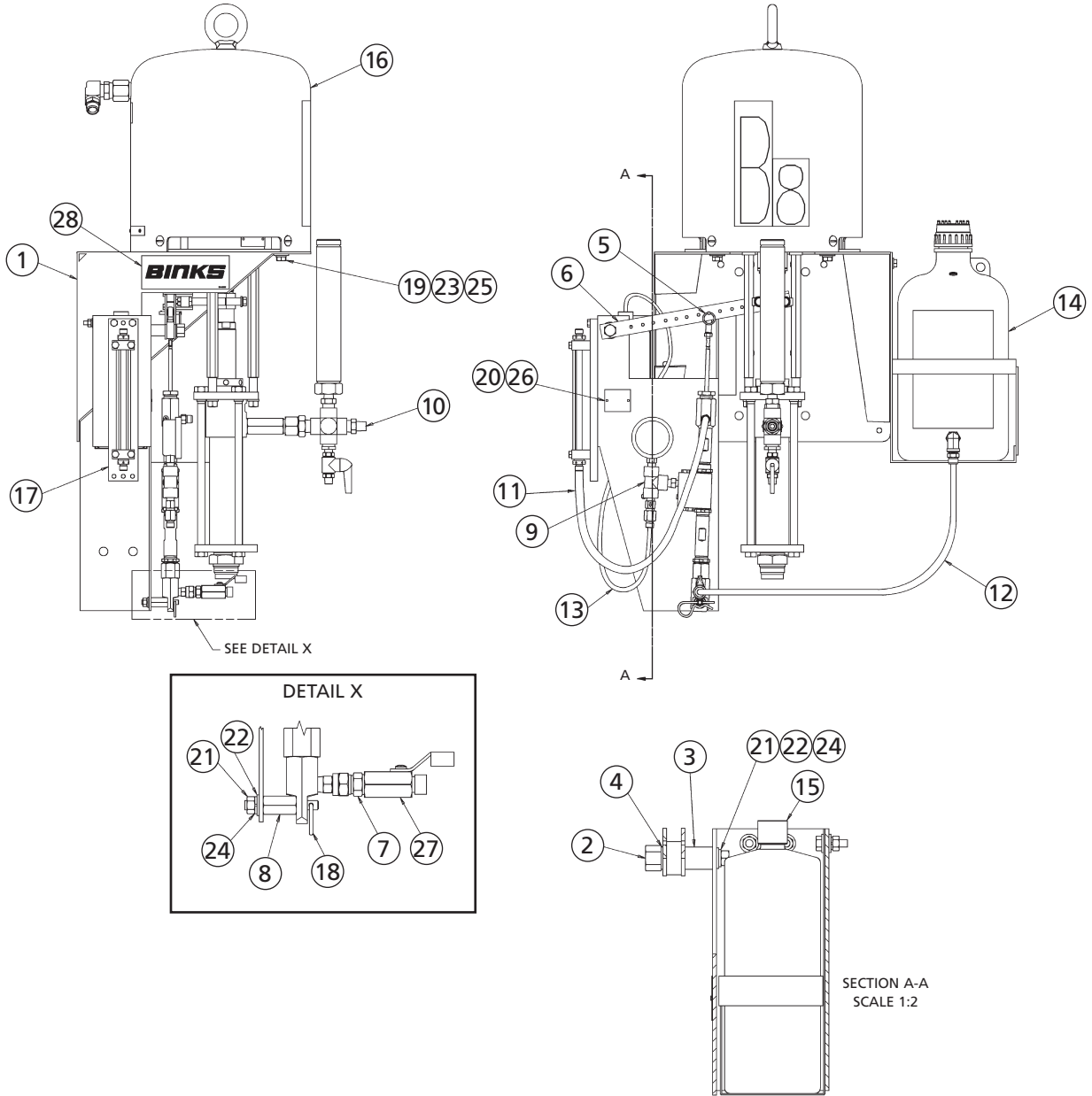
COMMON TOOLS:

Bench Vise
 Socket set, 1/2" drive
 Open end wrench set up to 1-1/2"
 Pipe wrenches
 Screwdrivers, awls
 Adjustable wrenches up to 12" long
 1/2" drive torque wrench

SPECIAL TOOLS:

Arbor press or drill press is recommended

103-1788 B8-D PUMP ASSEMBLY (VINYL ESTER)

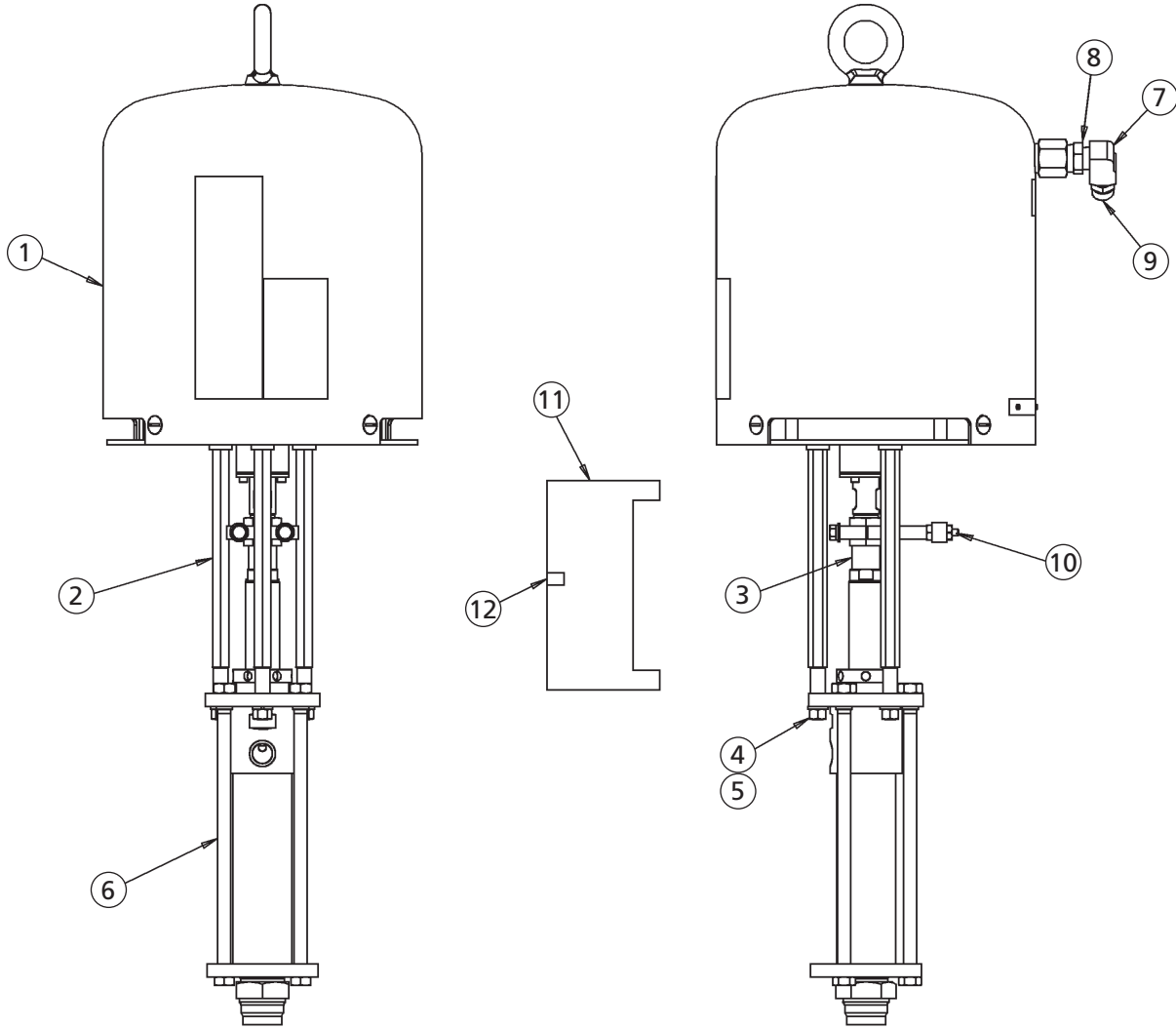


PARTS LIST

When ordering, please specify Part No.

ITEM NO.	PART NO.	DESCRIPTION	QTY.	ITEM NO.	PART NO.	DESCRIPTION	QTY.
1	101-1713	WALL MOUNT BRACKET.....	1	15	103-1338	CATALYST RELIEF BOTLE ASSY	1
2	101-1714	SCREW	1	16	103-1378	B8-D BARE PUMP ASSEMBLY	1
3	101-1718	SPACER	1	17	103-1615	FLOW METER ASSEMBLY	1
4	101-1719	SPACER	1	18	107-1345	COTTER PIN	1
5	101-1720	PIN	1	19	20-1294-1	CAP SCREW, 3/8-16 x 3/4"	4
6	101-1735	RATIO BAR	1	20	20-1671-1	DRIVE PIN	2
7	101-1776	DM NIPPLE, 3/8 NPT x NPS	1	21	20-1677-1	NUT, 5/16-18.....	2
8	101-1860	STUD.....	1	22	20-264-1	FLAT WASHER, 5/16 ID	2
9	101-2021	CATALYST PUMP ASSEMBLY, L.P.	1	23	20-354-1	LOCK WASHER, 3/8 ID	4
10	101-9285	PULSE BOTTLE ASSEMBLY	1	24	20-683-1	LOCK WASHER, 5/16 ID.....	2
11	102-3034	CATALYST HOSE, 30"	1	25	20-816-1	FLAT WASHER, 3/8 ID	4
12	102-3035	CATALYST SIPHON HOSE, 3 FT.	1	26	41-1572	NAME PLATE	1
13	102-3036	CATALYST RELIEF HOSE, 3 FT.	1	27	VA-528	BALL VALVE	1
14	103-1337	CATALYST SUPPLY BOTTLE ASSY	1	28	83-2436	DECAL, "BINKS"	1

103-1378 B8-D BARE PUMP ASSEMBLY



ASSEMBLY NOTE

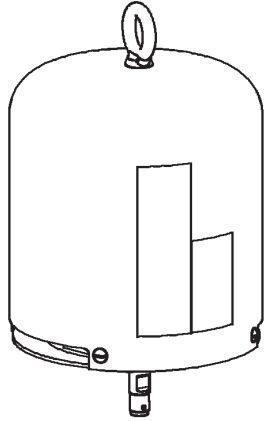
Item 11 should be placed around the tie rods. To secure the shroud, bend the four tabs around the two back tie rods.

PARTS LIST

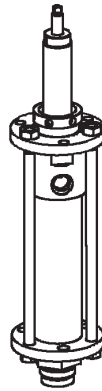
When ordering, please specify Part No.

ITEM NO.	PART NO.	DESCRIPTION	QTY.
1	41-12303	B8 AIR MOTOR	1
2	101-1975	TIE ROD	3
3	101-1738	MOTOR ROD ADAPTER.....	1
4	41-2463	NUT	3
5	20-684-1	LOCK WASHER.....	3
6	101-2170	D FLUID SECTION, (U-CUPS)	1
7	20-3340-1	90° ST. ELBOW, 1/2 NPT.....	1
8	SSP-1133-ZN	REDUCING BUSHING, 3/4 x 1/2	1
9	72-1243	DM NIPPLE, 1/2 NPT x NPS	1
10	101-1737	TRIP PLATE ASSEMBLY	1
11	102-1631	SHROUD	1
12	41-10052	WARNING STICKER	1

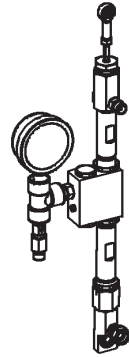
MAJOR SUB-ASSEMBLIES & COMPONENTS REFERENCE INFORMATION



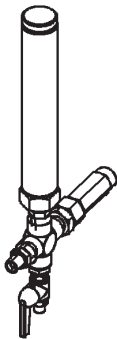
Model 41-12303 **Description** B8 Air Motor **Part Sheet** 77-2213
Repair Kit: 41-13128



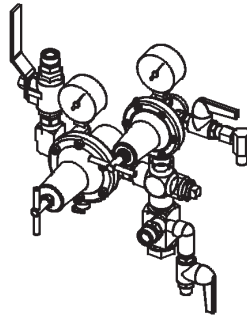
Model 101-2170 **Description** U-Cup Fluid Section **Part Sheet** 77-2780
Repair Kit: 106-1256



Model 101-2021 **Description** Catalyst Pump **Part Sheet** 77-2728
Repair Kit: 106-1224



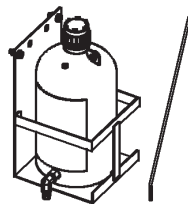
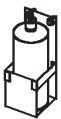
Model 101-9285 **Description** Pulse Bottle Assembly **Part Sheet** 77-2882



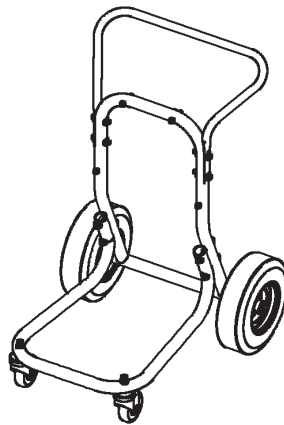
Model 103-1733 **Description** Air Control Assembly **Part Sheet** 77-2881



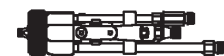
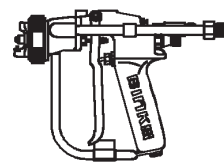
Model 103-1615 **Description** Flow Meter Assembly **Part Sheet** 77-2470



Model 103-1337 **Description** Catalyst Supply Bottle **Part Sheet** 77-2835
 103-1338 **Description** Catalyst Relief Bottle **Part Sheet** 77-2835



Model 207-12285 **Description** Small Cart Assembly **Part Sheet** 77-2785



Model 102-2545 **Description** Century Vinyl Ester Gun **Part Sheet** 77-2520
Repair Kit (Fluid): 106-1171
Repair Kit (Air): 106-1172

TROUBLESHOOTING & REPAIR KITS

⚠ **WARNING**

Component rupture can cause serious bodily injury. NEVER exceed 80 psi (5.5 bar) air supply pressure to the pump. Read the warning section printed earlier in this part sheet. BEFORE DISASSEMBLING THE PUMP, check and consider all probable causes and follow Pressure Relief Procedure on page 4.

TROUBLESHOOTING

SYMPTOM	PROBABLE CAUSE	REMEDY
Pump will not run	Air supply off or air regulator set too low Air motor trip rod stuck Resin pump piston/rod stuck Air piston seal worn	Ensure air supply is on; increase regulator adjustment See air motor part sheet Rebuild resin pump; see part sheet 77-2780 If air is exhausting while pump is not running, seal needs to be replaced. See air motor part sheet.
Pump runs but no material at outlet	No material at inlet Lower ball stuck	Check material supply See part sheet 77-2780
Pump runs but fast-strokes on portion of down stroke	Air trapped in resin pump	Disconnect catalyst pump, run resin pump faster or longer until air is purged.
Material on one stroke only	See part sheet 77-2780	See part sheet 77-2780
Material leakage out of solvent cup or material appears on pump rod	See part sheet 77-2780	See part sheet 77-2780
Catalyst pump not operating properly	See part sheet 77-2728	See part sheet 77-2728

NOTES

WARRANTY

This product is covered by Binks' 1 Year Limited Warranty.

Binks Worldwide Sales and Service Listing: www.binks.com

ITW Industrial Finishing

Binks has authorized distributors throughout the world. For technical assistance or the distributor nearest you, see listing below.

U.S./Canada Technical Service Office:

195 Internationale Blvd., Glendale Heights, IL 60139
Toll-Free Telephone: 1-888-992-4657 (U.S.A. and Canada only)
Toll-Free Fax: 1-888-246-5732



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