



SB-E-4-231
ISS.01



Binks "STEADI-GRIP" 2 QT. PRESSURE CUPS Model No. 80-295-CE







SPECIFICATIONS

| | | |
|--|-------------|---------|
| MAX. WORKING PRESSURE | 50 psig | 3.5 bar |
| <hr/> | | |
| OVERALL HEIGHT | | |
| WITH AUXILIARY HANDLE | 16 15/16 in | 430 mm |
| WITHOUT AUXILIARY HANDLE | 13in | 330 mm |
| <hr/> | | |
| BASE DIAMETER | 5 1/4in. | 133 mm |
| <hr/> | | |
| AIR INLET & OUTLET CONNECTION SIZE | 1/4 NPS (m) | - |
| FLUID OUTLET CONNECTION SIZE | 3/8 NPS (m) | - |
| <hr/> | | |
| FLUID CAPACITY | 2 Qts (US) | 1.9 Ltr |
| WEIGHT | 3 lb.3oz. | 1.46 kg |

⚠ WARNING

The following hazards may occur during the normal use of this equipment. Please read the following chart.

| HAZARD | CAUSE | SAFEGUARDS |
|---|--|---|
| <p>FIRE</p>  | <p>Solvents and coatings can be highly combustible, especially when sprayed.</p> | <ol style="list-style-type: none"> 1. Adequate exhaust must be provided to keep the air free of accumulations of flammable vapours 2. Smoking must never be allowed in the spray area. 3. Fire extinguishing equipment must be present in the spray area. |
| <p>FIRE - PRESSURE CUP</p>  | <p>Vapours from flammable liquids can catch fire or explode</p> | <ol style="list-style-type: none"> 1. Keep Cup at least 3 metres away from sources of ignition, including hot surfaces, mechanical sparks and arcing (non-explosion proof) electrical equipment. 2. Electrostatic charges may accumulate and may ignite flammable vapours by brush discharges. Ensure the Cup is earthed with conductive air or fluid hoses or earthing clamp. |
| <p>INHALING TOXIC SUBSTANCES</p>  | <p>Certain materials may be harmful if inhaled, or there is contact with the skin.</p> | <ol style="list-style-type: none"> 1. Follow the requirements of the Material Safety Data Sheet supplier by the coating manufacturer. 2. Adequate exhaust must be provided to keep the air free of accumulations of toxic materials. 3. Use a mask or respirator wherever there is a risk of inhaling sprayed materials. The mask must be suitable for the material being sprayed. |
| <p>EXPLOSION, PRESSURE TANK—RUPTURE</p>  | <p>Making any changes or modification to the pressure Cup may weaken it.</p> | <ol style="list-style-type: none"> 1. Never drill into, weld or modify the Cup in any way. 2. Do not adjust, remove or tamper with the safety valve. 3. Only replace the safety valve with the correct spare part as listed. 4. Do not fit any other safety valve of a higher pressure rating than the maximum working pressure of the Cup. |
| <p>GENERAL SAFETY</p> | <p>Improper operation or maintenance may create a hazard.</p> | <p>Operators should be given adequate training in the safe use and maintenance of this equipment. Refer to Pressure Systems Safety Regulations 2000 Approved Code of Practice or other national codes.</p> |

INTRODUCTION

Binks “Steady-Grip” Pressure Cups are CE marked in accordance with the ATEX Directive 94/9/EC, Cat 2 G X for use in Zones 1 and 2.

These Cups are ideal for component spraying and industrial applications where small batch production spraying is required. The 2 qt. capacity is sufficient to complete large spray jobs without refilling the cup. Its lightweight and rugged construction is excellent for portability allowing the operator to make fluid and air control adjustments quickly and efficiently at the spray station.

SETUP AND OPERATION

Refer to “TYPICAL INSTALLATION” drawing below

Set up the “Steady-Grip” with the CONVENTIONAL or HVLP gun along with at least 1.5m (5 ft.) of air and fluid hose. Attach air hose from extractor to air inlet on handle of steadigrip assembly. Pour paint into canister with liner. Re-attach lid to canister and firmly tighten four knobs over canister lid. Set air pressure from air regulator mounted on extractor and fluid pressure by adjusting fluid pressure adjustment knob on cup handle.

WARNING

Chlorinated solvents and aluminum are incompatible and will cause an adverse chemical reaction, possibly resulting in bodily injury. Under NO circumstances should chlorinated solvents be used with the “Steady Grip Pressure Cup”.

WARNING

All air and fluid pressure in the system must be relieved before servicing the cup and before cup is filled or cleaned. Attempting to service the cup while pressurized could result in damage to components or personal injury.

CAUTION

Do not exceed 100 PSIG input air pressure into the cup. Excessive pressure could damage components

NOTE

Before refilling canister with paint, shut off air supply to the cup and release pressure from canister by rotating pressure relief knob counter clockwise

PARTS LIST

| ITEM NO | PART NO | DESCRIPTION | QTY |
|---------|-----------|------------------------------|-----|
| 1 | 20-353-1 | HEX JAM NUT 5/16" | 1 |
| 4 | † 72-1022 | CENTER POST ASSEMBLY | 1 |
| 5 | 80-4 | CUP (2 Quart) | 1 |
| 6 | ○ 80-11-5 | COVER GASKET (Tri Seal Foam) | 1 |
| 7 | 80-12 | RELIEF VALVE STEM | 1 |
| 8 | 80-267 | CHECK VALVE | 1 |
| 9 | ○ 60-7 | CHECK VALVE SPRING | 1 |
| 10 | 80-33 | FLUID OUTLET | 1 |
| 11 | 80-34 | FLUID TUBE (2 Quart) | 1 |
| 14 | * 80-45 | COVER GASKET (Leather)..... | 1 |
| 15 | 80-297 | CONTAINER COVER | 1 |
| 17 | 83-1899 | HANDLE | 1 |
| 18 | ▲ 85-440 | REGULATOR ASSEMBLY | 1 |

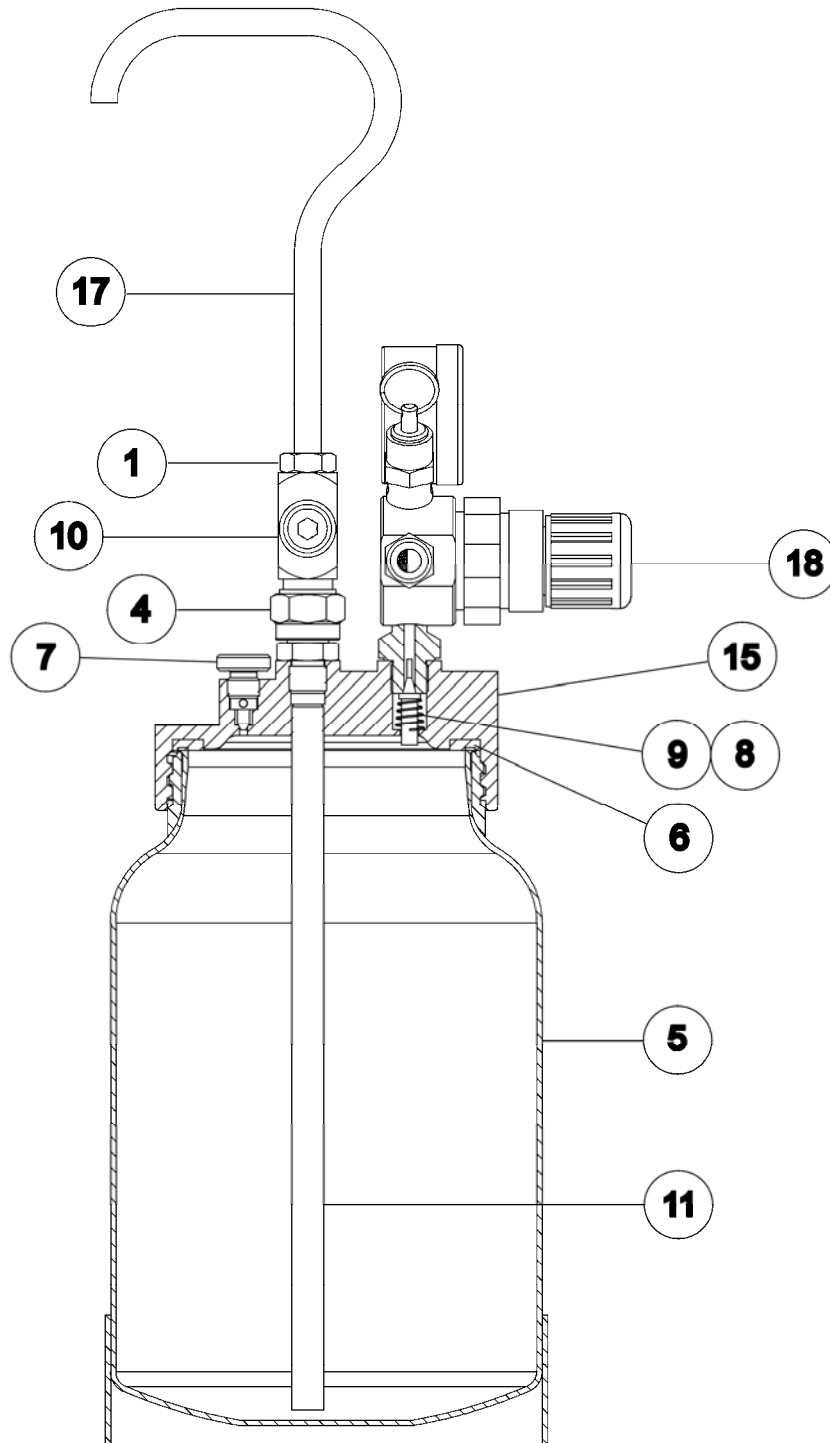
* Accessories available

▲ Item 18 ref. Part Sheet 2417

† Available from Industrial Finishing distributors only

○ Available only as 5-pack

MODEL 80-295 PRESSURE CUP



SETUP AND OPERATION

Refer to “TYPICAL INSTALLATION” drawing below

Set up the “Steady-Grip” with the CONVENTIONAL or HVLP gun along with at least 5 ft. of air and fluid hose. Attach air hose from extractor to air inlet on handle of steadigrip assembly. Pour paint into canister with liner.

WARNING

Chlorinated solvents and aluminum are incompatible and will cause an adverse chemical reaction, possibly resulting in bodily injury. Under NO circumstances should chlorinated solvents be used with the “Steady Grip Pressure Cup”.

Re-attach lid to canister and firmly tighten four knobs over canister lid. Set air pressure from air regulator mounted on extractor and fluid pressure by adjusting

WARNING

All air and fluid pressure in the system must be relieved before servicing the cup and before cup is filled or cleaned. Attempting to service the cup while pressurized could result in damage to components or personal injury.

fluid pressure adjustment knob on cup handle.

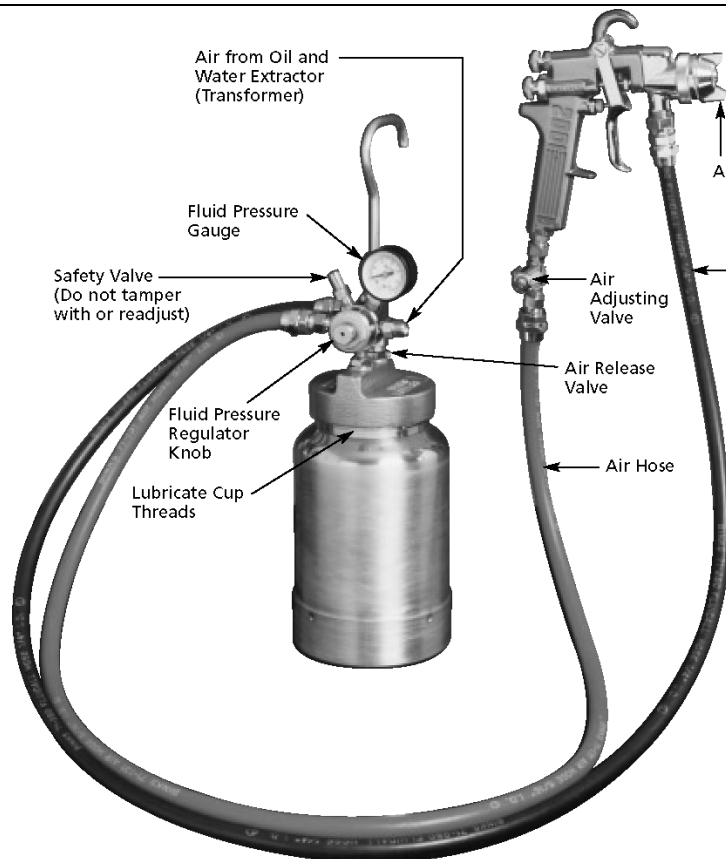
CLEANING

1. Open air release valve on pressure cup cover.
2. Reduce pressure in cup until gauge reads zero, (turn knob counter-clockwise).
3. Loosen cup cover and set fluid tube on angle in cup.
4. Loosen air nozzle two turns, place cloth over nozzle and pull the trigger to force paint into cup.
5. Remove cover and clean cup and cover thoroughly.
6. With approximately 1/4 to 1/2 cup of clean solvent, attach cover and set fluid pressure at approximately 10 PSI.

NOTE

Before refilling canister with paint, shut off air supply to the cup and release pressure from canister by rotating pressure relief knob counter clockwise

7. Close air adjusting valve at spray gun.
8. Trigger gun and allow solvent to flow into a container until it flows clear.
9. Remove solvent, then clean air nozzle. If any dirt appears in orifice, clean with tooth pick; wire will damage nozzle. Blow nozzle and cup dry.



EC DECLARATION OF CONFORMITY

We: ITW Finishing UK
Ringwood Rd
Bournemouth
Dorset
BH11 9LH
UK

As the manufacturers representative of the items listed below:

TYPE : SG Pressure Feed Cup

MODEL: 80-295-CE

Declare, under our sole responsibility, that the equipment to which this document relates is in conformity with the following standards or other normative documents:

EN 13463-1:2001

And thereby conform to the protection requirements of Council Directive 94/9/EC relating to *Equipment and Protective Systems intended for use in Potentially Explosive Atmospheres protection;*

level II 2 G X.

Approved by:



P C Loveless
Manufacturing Engineering Manager

Date: 1/12/2004

ITW Finishing Systems and Products
Ringwood Road,
Bournemouth,
BH11 9LH,
England.
Tel. No. (01202) 571111
Telefax No. (01202) 581940,
Website address <http://www.itweuropeanfinishing.com>

ITW Oberflächentechnik GmbH & Co. KG
Justus-von-Liebig-Straße 31
63128 Dietzenbach
Tel (060 74) 403-1
Telefax: (060 74) 403300
Website address <http://www.itw-finishing.de>

ITW Surfaces Et Finitions
163-171 avenue des Auréats B.P. 1453
26014 VALENCE CEDEX FRANCE
Tél. (33) 475-75-27-00
Télex 345 719F DVILBIS
Téléfax: (33) 475-75-27-99

ITW Finishing Systems and Products is a Division of ITW Ltd. Reg. Office:
Admiral House,
St Leonard's Road,
Windsor,
Berkshire,
SL4 3BL,
UK
Registered in England: No 559693 Vat No 619 5461 24



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