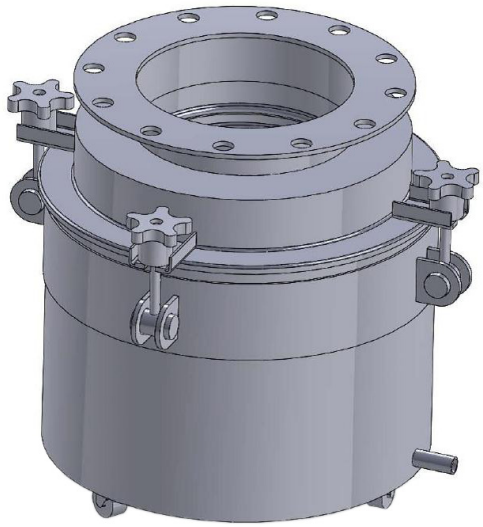
camfil
AIR POLLUTION CONTROL

Instruction Manual

Circular Bag-In Bag-Out Drum

ANTISTATIC - for Ignition Sensitive Dust and Gases





FARR GOLD SERIES®

Customer:

Location:

Job:

Local rep:

Rep. phone:

Edition: 1.1, 05/8-2014

Camfil APC Ltd
Unit C, Birch Business Park,
Heywood, OL10 2SX
United Kingdom
Tel: +44 (0)1706 363820
europe.apc@camfil.com
www.camfilapc.com/europe

IOM14054

INTRODUCTION

The circular drum Bag-In Bag-Out is a single layer containment system for safe removal of discharged dust in Farr Gold Series® dust collectors.

Camfil APC recommends that the operators performing a Bag-In Bag-Out procedure wear additional personal protection in case of a failed operation.

SAFETY REGULATIONS!

Risk of personal injury!

- The end user must perform a risk assessement and depending on the toxic properties of the dust establish a standard operation procedure, including suitable personal protection.
- The system is intended for ignition sensitive explosive dust and gas. It can only be used for gas groups IIA, and IIB in zone 2.

DANGER!

This system uses special bags. Verify that you have the correct part number before using a bag.

Technical Data

Bag material	LLDPE, FDA compliant material
Bag thickness	0.15 mm
Explosion safety	The system can be used in For dust ATEX Zone 22, 21 and 20 For Gas ATEX Zone 2, gas group IIA, IIB
Max. operating temperature	40 ºC
Min. operating temperature	0 ºC
Capacity	34 litres

SECTION 1 - DISCHARGE BAG INSTALLATION PROCEDURE

SAFETY REGULATIONS!

Risk of personal injury!

Before changing-out the bag the following measures should be taken:

- If the unit is equipped with a butterfly valve for isolating the bin, close this.
- If there is no valve, stop the fan and ensure that any down time cleaning is completed before removing the bin.



- Use necessary personal safety equipment depending of type of dust.

The following steps describe the applicable method for installing a discharge bag in a circular drum bag in bag out dust collector discharge system.

Circular Drum Access

Unfasten the T-bolts by untightening the handwheels. Support the drum down onto the floor and manoeuvre to gain access to discharge tube.

Bag Setup

The bag supplied is an antistatic sleeve with an integral o-ring designed to fit the swaged collar on the underside of the drum lid.

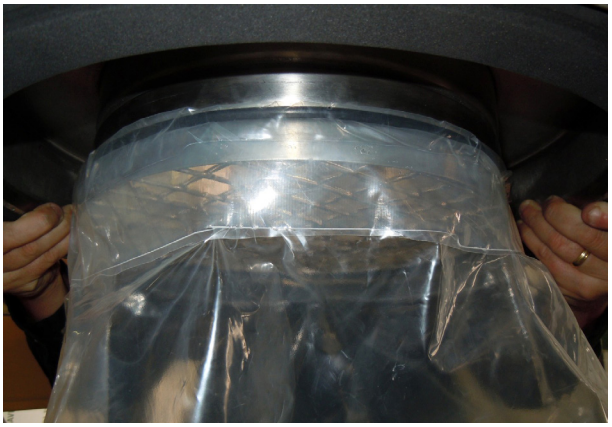


Figure 1.1 - Unroll the bag and fit the open end over the swaged collar.

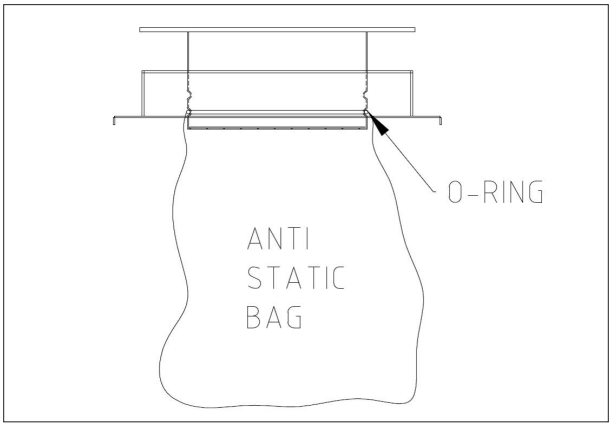


Figure 1.2 - Locate the o-ring into the lower of the two grooves.



Figure 1.3 - Secure the bag using the blue nylon clinch strap provided. Tighten the strap around the o-ring as shown.



Figure 1.4 - Once tight, pull the buckle over to provide final tightness and wrap the remaining strap around the collar and back over the buckle to hold in place. Secure the end of the strap to prevent from loosening.



Figure 1.5 - Tightly fit Velcro strap over clinch strap, ensuring to place over buckle. This is to ensure the strap is held tight over time.

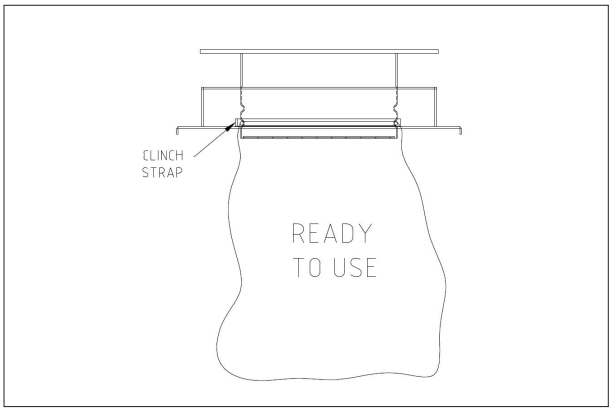


Figure 1.6 - The bag is now ready to use.

Circular Drum Closing

Ensure the bottom of the bag is fully unrolled.

Manoeuvre drum into position beneath discharge tube. Lift the drum into position up to the drum lid. Refit T-bolt fixings and hand tighten to seal drum into place. Ensure that the gasket seal on the lid is compressed.

Check that the equalisation pipe is attached to both drum & hopper.

SECTION 2 - DISCHARGE BAG CHANGE-OUT PROCEDURE

The following steps describe the applicable method for changing out a full discharge bag. To minimize the risk of accidents, it is recommended that two persons perform this procedure together. Access to and from the drum as the same as described in section 1.

NB! Take care to lower it carefully to avoid the bag being pulled loose from the bagging collar.

Bag Tie Off

Obtain two nylon cable ties, cable tie tool, two hose clamps and duct tape from the tool box. Cinch the two cable ties around the bag, between the end of the discharge tube and the top of the dust in the bag. Keep the cable ties just far enough apart so that both hose clamps can be placed between the ties, with a 6mm gap between the clamps. Place the hose clamps around the bag and tighten until the plastic protrudes slightly into the perforations in the hose clamp band.

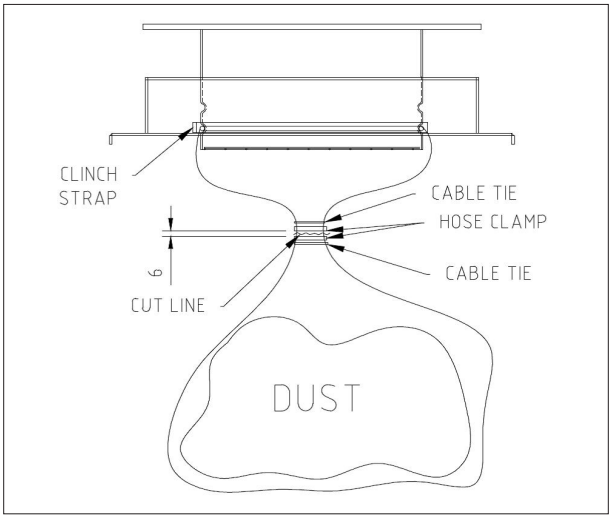


Figure 2.1 - Bag tie off.

DISCHARGE BAG CHANGE-OUT PROCEDURE (continuation)

Bag Cut Off

Apply 4 layers of duct tape over the cable ties and hose clamps.
Obtain the bag cutter tool from the toolbox. Tear off two pieces of duct tape approximately 6” long. Cut the bag with the cutter tool between the hose clamps. Immediately apply the duct tape to each end of the bag, making sure to cover the cut ends of the bag.

Apply more duct tape to each end of the bag for a double seal.

You will now be left with a separate bag of dust and the “stub” of the old bag that remains fitted to the collar of the housing. Properly dispose of the bag of dust.

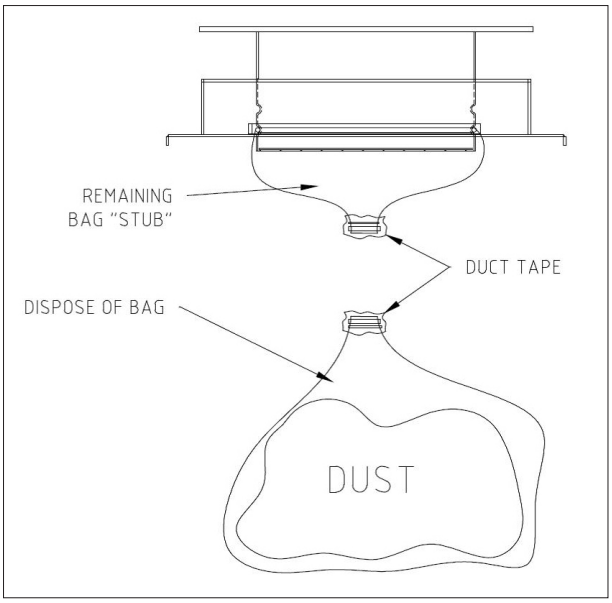


Figure 2.2 - Bag cut off.

Fitting New Bag

Remove the blue nylon clinch strap. Fit new bag over stub of old bag. Locate the o-ring to the upper groove of the swaged collar. Pull stub of old bag into bottom of new bag.

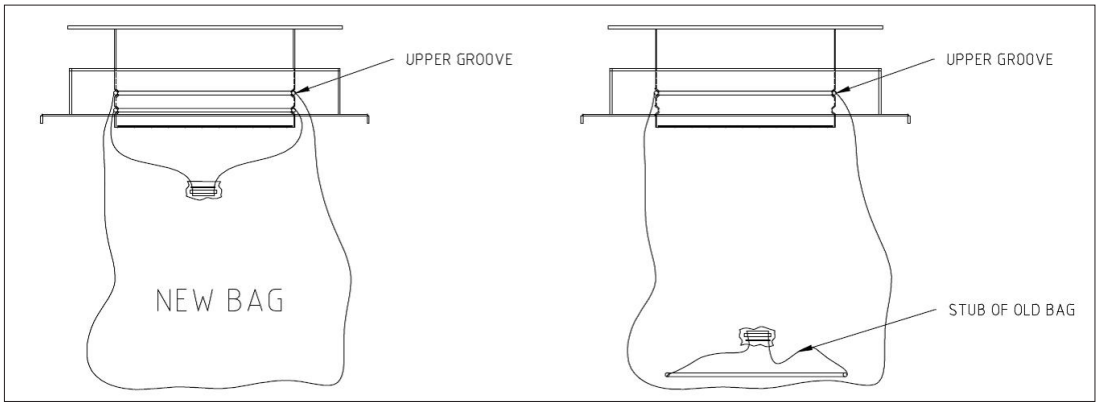


Figure 2.3 - Fitting new bag.

DISCHARGE BAG
CHANGE-OUT PROCEDURE (continuation)

Relocate o-ring of new bag into lower groove of swaged collar and refit the blue nyon strap as described in section 1.

The bag is now ready to be used. Refit the drum as describe in section 1.

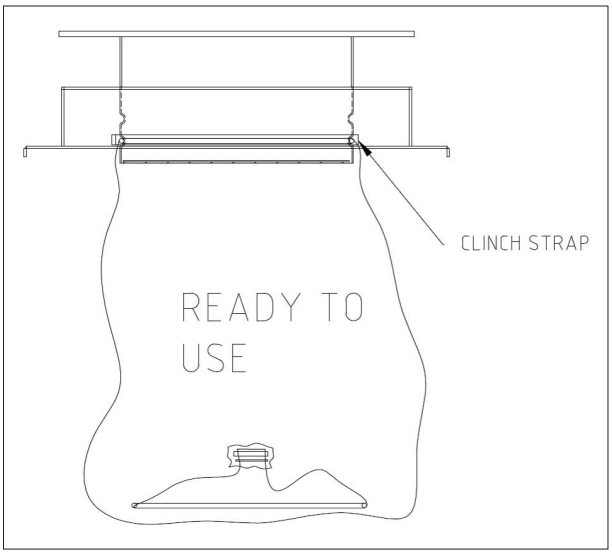


Figure 2.4 - Ready to use.

SECTION 3 - SPARES

Camfil Part No.	Part Description
CAM104734-002	Antistatic BIBO Dust Offload Bag
211935-001	GS Strap c/w Spring Clamp 132” Long
212443-001	BIBO Tool Kit
U100127-201	Velcro Strap 25mm x 1.2m

DANGER!
This system uses special bags. Verify that you have the correct part number before using a bag.

camfil
AIR POLLUTION CONTROL