

# BAG AND CAGE INSTALLATION

*Bottom & Top Load*

# IAC

INDUSTRIAL ACCESSORIES COMPANY

## INSTALLATION OF BAG AND CAGE ASSEMBLY - BOTTOM LOAD (45 AND 60 SERIES)

1. Inspect the cage for any signs of damage, warping, bent wires, or missing welds.
2. Inspect the filter bag for any signs of mold, mildew, ripped seams, or holes.
3. Be sure the wire cage has a bottom pan. Slip filter bag over the cage, centering the seam 1-1/2" or 2" either side of the split at the top of the cage roll band. Seam must be straight (not corkscrewed).
4. Pull bag up and over the full length of the cage and fold the entire extra length over and down into the top of the cage. Make sure the bag bottom is tight against the cage pan. Smooth out all folds and pleats on the interior of the roll band.
5. Slip the assembled bag and cage up onto the bag cup making sure to mate the male groove of the cage roll band top to the female groove of the bag cup.
6. If you try to move the assembly up and down you will be able to tell if the grooves are properly aligned.
7. Install the bag clamp on the assembly and tighten around the bag and cage at a point just above the groove on the cage. The clamp head should be located in the best direction for ease in tightening.
8. Tighten the clamp until secure. You should not be able to rotate the assembly by hand if it is tight enough.
9. Close the access door and tighten accordingly. You are ready to begin start-up procedures if all other preceding tasks and hook-ups are completed.
10. It is recommended to double check the tightness of the bag and cage assembly approximately one month after the initial start-up.



STEP 1 The cage is inserted into the full length of the bag.



STEP 2 The remainder of the bag is tucked into the cage, being careful not to leave any creases along the rim of the cage.



STEP 3 The bag and cage are then slid onto the permanently attached bag cup.



STEP 4 A positive seal is achieved by use of hose type clamps.

WEBBH002

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*Bottom & Top Load*



## INSTALLATION OF BAG AND CAGE ASSEMBLY - TOP LOAD (45 AND 60 SERIES)

1. Inspect the cage for any signs of damage, warping, bent wires, or missing welds.
2. Inspect the filter bag for any signs of mold, mildew, ripped seams, or holes.
3. Remove the blow pipe by loosening the bulkhead fitting on the air header end of the pipe and removing the bolt in the retaining clip on the opposite end of the pipe.
4. Lower the closed end of the bag through the hole in the tubesheet.
5. With your hands, "kidney shape" the snap band bag top in order to fit and align it within the tubesheet hole.
6. Fit the groove of the snap band to the ID of the tubesheet hole and allow it to expand and audibly snap into place. If the band will not snap into place initially, DO NOT push on the "dimple" as doing this will permanently damage the snap band. Instead, kidney shape the snap band from the opposite side of the band. Then you can allow the band to expand and audibly snap into place.
7. Check the fit of the snap band to the tubesheet. It should be even in height above the tubesheet around the entire circumference, which will confirm to the installer that the tubesheet is centered and well secured into the middle groove of the snap band.
8. Lower the cage into the bag and press the cage top down into the bag's snap band ID. When in position the rolled flange of the cage top will rest on the tubesheet and the bag and cage assembly will be rigidly mated. The OD of the cage top provides a compression fit to the ID of the snap band.
9. Replace the blow pipes in the opposite order stated in Step 3. Make sure that the orifices in the blow pipe are in the proper orientation to blow straight down the center of the bag and cage assembly.
10. Replace access doors and tighten accordingly. You are ready to begin start-up procedures if all other preceding tasks and hook-ups are completed.



Step 1 Entry into the dirty side of the filter is unnecessary.



Step 2 Snap band with high profile lip seals secure the bag to the tube sheet.



Step 3 The cage snaps into place by merely lowering it into the bag and pushing down



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