

MONOXIVENT[®]

Source Capture Systems

Operation and Maintenance Manual

15000 Series Exhausting Arm Duct Mount



MONOXIVENT - SOURCE CAPTURE SYSTEMS

1306 Mill St., Rock Island, IL 61201
877-608-4383 - info@monoxivent.com
monoxivent.com

Duct Mount Arms Assembly Information

Receiving:

Check all packages for shipping damage. If damage is found then you, as the receiver, must note the damage at time of receipt or contact the carrier and file a damage receipt claim. **As the receiver, this is your responsibility.**

General Information for the 15000-D Duct Mount Arm:

There will be some assembly required for the arm. Please check for all components before starting.

1. Check components for duct mount arms.

1. Arm with internal support structure
2. Base bracket mounted to arm
3. Hose installed on arm
4. 90 degree elbow with black nylon swivel collar
5. Steel 360 degree clamp with rubber seal
6. 8 hole steel flange assembly

2. Locate and secure the 6" vertical duct that the arm will be mounted to. Please note that the 6" vertical duct must be strong and braced so it will not swing as the arm is moved and positioned. *(see attached drawing)*

3. A suggested arm mounting height from the floor to the vertical duct is 6'-8'. This will be the height that you will attach the 8 hole flange to the 6" vertical duct. Be sure the flange is secured tightly since the arm will be mounted to the 8 hole flange.

4. Slide hose away from the base bracket. Please note there is a bolt with a red painted head. This bolt is in a hole marked "2". Remove this bolt and pivot the bracket 90 degrees so the hole marked "1" will line up with the hole in the bracket. Now replace the red bolt and nut and bring to a snug fit. *(see attached drawing)*

5. Attach the 90 degree elbow to the arm bracket. Note the elbow and the bracket have small mating flange. There is a rubber gasket that seals the flanges of flanges. **Be sure that the elbow and arm are in a perfect vertical position before tightening the clamp.** Arm and elbow should be vertical. *(see attached drawing)*

Duct Mount Arms Assembly Information

6. With assistance, mount the assembled arm and elbow to the mounted 8 hole flange. The elbow has a mounted 8 hole black nylon swivel collar. Bolt the elbow/arm assembly to the 8 hole flange on the 6" vertical duct. Snug bolts to hold the elbow/arm to the flange. **Do not over tighten bolts.** Be sure elbow/arm swivel freely at the flange.

7. The arm will need final adjustment/tuning for easiest movement and to stay in place upon positioning. You will find friction pads and adjustment pivot joints in four places:

- 1.** Pivot point at the bracket
- 2.** Pivot point in the center of the arm
- 3-4.** Pivot points at hood location.

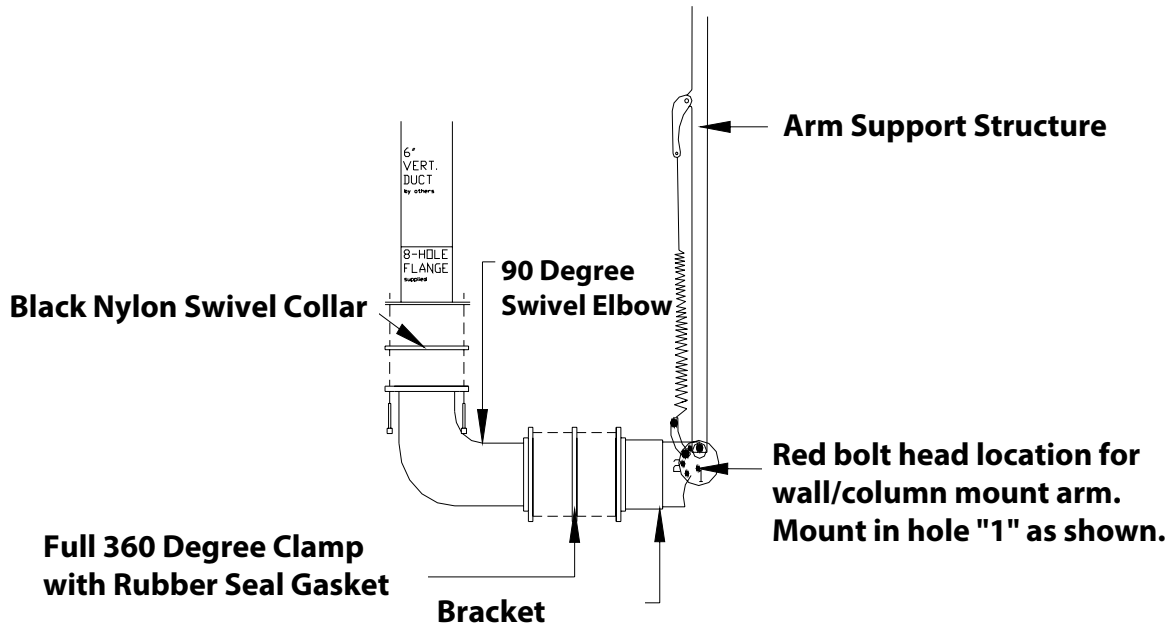
Only put enough tension on these pivot joints to hold the arm in any position it is placed. The arm final adjustment is key to the arm being user friendly. **Do not over tighten the pivot joint friction disks.** Depending on arm usage and movement, occasional adjustments may be required. Based upon the arms application, cleaning of the internal support structure may require scheduled cleaning.

Please contact the factory for any questions or further assistance.

Duct Mount Arms Assembly Information

The drawing shows the 90 degree elbow clamped to the base bracket of the arm. Drawing also shows how the base bracket has been re-positioned so the bracket is 90 degrees to the arm support.

Note the drawing shows correct positioning of the red head bolt and its' location in hole "1".

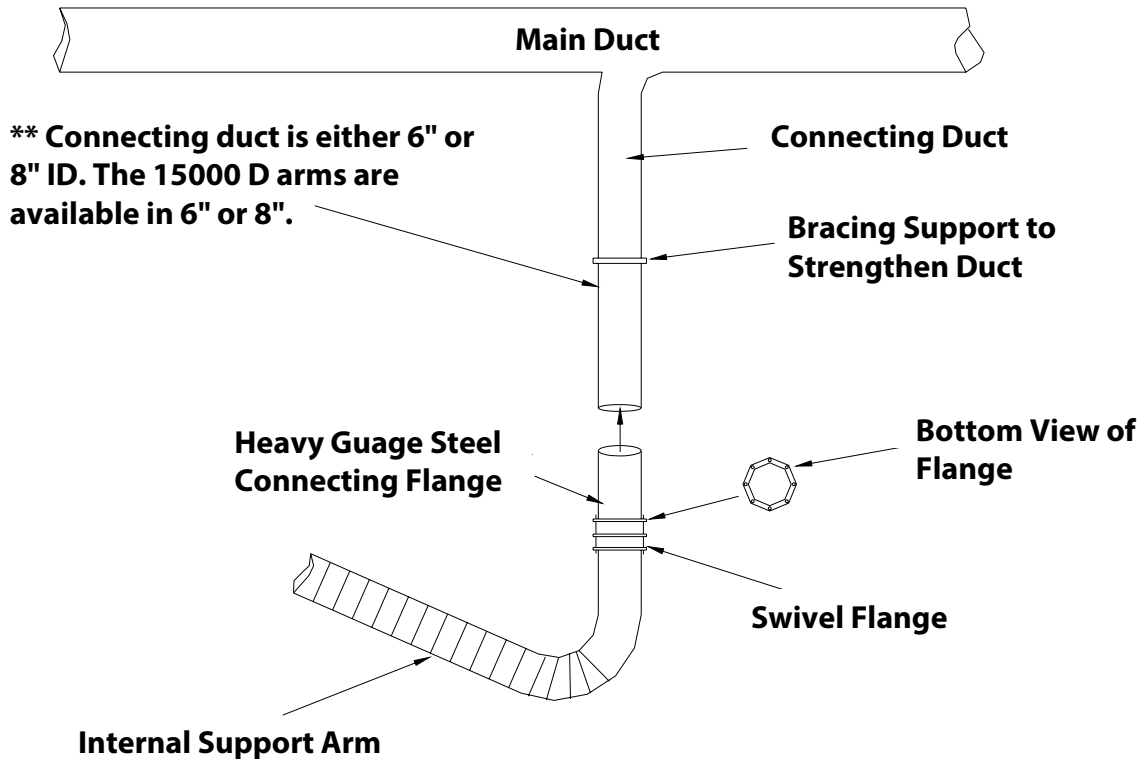


**This is the new location for the red bolt.
This is how the joint should look when
it is ready to be mounted.**



15000 D Mounting Guidelines

The 15000 D direct mount duct arm is the simple solution for installing an overhead arm where there is not a wall/column to mount to. The connecting flange is fixed to the connecting duct. The connecting duct becomes the support for the arm. The arm swivels 360 degrees at the elbow/flange. Strengthening and bracing of the connecting duct is all that is needed.



****The connecting duct must be of heavy guage steel and braced. Complete arm will be supported by the connecting duct. The flange shown will slide inside the connecting duct.**

**** Flange can be welded to the connecting duct branch. The elbow is then bolted to the flange and the arm is bolted to the elbow.**