

General description

The **Oval Flange System** (BOCT) is providing a higher stability to the circular ducting networks, thanks to rigid connections of the ducts. This system reduces installation and assembly costs.

- Material: galvanized sheet (DX51 + Z275MAC)
+ stainless steel pressure clamps
- On request we manufacture in stainless steel AISI-304/316
- Innovative PATENTED system: a world novelty as assembly glued to ceiling.
- The union is made only by tightening 2 screws in the closing V
- The oval pipe flange set consists of: 2 "T" flanges to fix to the tube + 1 "CR" union flange in 2 sizes according to Ø.



Standard construction with screw closure :

- The union flange "CR" is supplied with a built-in sealing gasket.
- On request it can be supplied with M-0 gasket for high temperature
- On request it can be supplied with lever (BOCP)

Application

1. Pre-assemble each frames and place them in their corresponding ends of each section of duct.
Pay special attention to the pins that join the straight frames with the curved ones.
These have to be pressed into the latter (with the help of a hammer) and manually butt into the straight beams.
Observe that the continuity between them is correct and without gaps.
2. Fix the frame in the mouth of the duct by spot welding, press-joint, screws, etc., starting with the central part of the curved frames, then the central part of the straight, then all the rest at will.
We insist that the fixing points near the ends of each section of straight frame with the curved one, guarantee the perfect continuity between them without separations.
3. Add putty on the 4 connection areas between the frames and if needed for sealing requirements, seal the entire contour of the frame with the duct.

Assembly

Starting from an already assembled section, it is placed on top of its entire contour and near the next frame to be joined by the assembly of the closing V with the 2 loosened screws and with the lower screw positioned farthest from the wall.

The following sections to be spliced will be presented and the frames to be joined will be perfectly joined. Then, the V will be appropriately moved over them and the 2 screws will be tightened progressively and simultaneously with the help of a socket wrench with an extension for the one in the upper part of the duct (or that is less accessible).

The rigidity of these joints, together with clamps on the stringers, allows installations with a high level of watertightness and a perfect aesthetic finish for exposed pipes.

With this new system, the duct can be fully docked to the ceiling and its oval shape makes sense : saving space in height with better efficiency than the rectangular section.