



FLOWTREND

SMARTER, FASTER FLUID HANDLING SOLUTIONS

Flowtrend Round Cross Manways Maintenance and Operations Manual

Flowtrend's parts or products are not Alfa Laval parts or products, and Alfa Laval does not endorse, approve or warrant Flowtrend's parts or products or their use.

The service personnel are responsible for the secure closing of the manway door/manhole cover.

1. Before closing it must be verified that the contact surface of the gasket is clean and without any external objects that can damage its good condition. The state of the gasket and its seats must always be checked.
2. While closing, it must be verified that the cover suits well with the frame, and that the cover is centered with the frame without effort or without being off-center and that the gasket is in its seat.

Before closing the handles it must be verified that there is a small clearance between the frame and the cover, which is a sign that there is no metallic impediment to the closing.

Do not close the handles with levers, pipes and/or key that can damage the functionality.

Opening

1. Before opening the manway door/manhole cover make sure that the tank/container/equipment is not pressurized and without heat and/or chemical and toxic vapours.
2. Slowly unscrew the handles in the same way in which they have been screwed (cross way).
3. Once opened, the cover must be positioned so damage to the gasket is avoided.

Welding

1. The weld between frame of the manway door/manhole cover and the tank must be preceded by an accurate preparation of the edges to be welded, and by a perfect adaptation.
2. Welding work, perforation, folding, cutting or similar must not be performed on the manway door/manhole cover, if such actions are not absolutely necessary for the installation of the manway door/manhole cover.
3. Avoid an excessive stretching of the material.
4. During welding, close the cover on the frame using a spacer in place of the gasket in order to reduce the expansion of the frame in respect of the cover as much as possible, to maintain the form and the original dimensions of the cover and to assure a perfect joining with the cover itself.
5. To protect the gasket remove the gasket during the welding phase.
6. After welding always control that the sealing is in full contact with the sealing surface.

Maintenance

1. Periodically check the condition of the gasket, wash it and carefully dry it. Replace if necessary.
2. The process of control and periodic washing is also valid for the seat of the gasket on the cover.
3. Periodically check the state of the closing systems, eyebolts and handles. Replace if necessary.