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Maintenance Instructions

Fig. 272HO Series Internal Emergency Valve

The Fig. 272HO Series Internal Emergency Valves are designed to be used as emergency valves only, and not intended as an operating valve. This valve should be held in the open position, by the fusible link assembly. In the event of a fire, or extreme heat, the fusible link is designed to melt, thus allowing the valve to close. They should not be used to regulate product flow by repeated opening and closing.

These valves should be installed through a threaded tank fitting that allows the complete valve inlet ports to extend into the tank. Proper clearance of the ports, and integrity of the ports, is required for product flow. Care should be taken to insure that the handle area is free from obstruction, thus allowing the valve to close completely. Make sure "O" ring seals and packing are compatible with the products being stored. Periodically check the fusible link for breakage and manually close and open the valve to insure proper functioning. The plunger and handle are under spring tension, and the valve should spring shut when the handle is released. After testing, open the valve and hook the fusible link assembly to hold the valve open.

REMOVAL AND REPLACEMENT OF INTERNAL EMERGENCY VALVE PACKING IN THE FIELD

The following information is intended to be a guide for the removal and replacement of internal emergency valve packing in the field. The plunger of the emergency valve must be fully seated and any pressure in the line relieved before starting this procedure so as to reduce the risk of losing product. If the plunger cannot be seated properly or pressure relieved, the tank must be emptied before starting this procedure. Due to the number of unknown variables involved in the installation and handling of these internal emergency valves in the field, Morrison Bros. Company claims no responsibility for any injury or damages incurred in the removal and replacement of the packing on an in-line installation. The risk and liability of this operation is the sole responsibility of the installation owner and his representatives.

Instructions

1. Seat plunger firmly into valve body.
2. Remove hex nut, washer, handle and packing nut.
3. While holding fulcrum shaft rigid, slowly remove packing using a bent (curved) rasp or file so as not to damage the finish on the shaft. It is very important that the shaft not be removed or lifted, as this may disengage the plunger mechanism which may, in turn, require that the tank be emptied via another opening so that the valve can be removed for reassembly.
4. Once old packing has been removed, place new packing rings around the shaft and into the body. Make sure the packing rings are inserted such that the cut in each previously inserted packing ring is across from the cut in the packing ring being inserted. Add a drop of light oil to packing after each ring is inserted and then firmly press or pack into place using a narrow, blunt instrument (again, do not damage shaft finish).
5. Once the new packing has been inserted and packed into place, thread and firmly tighten packing nut into body with wrench.
6. Reinstall handle, washer and hex nut onto the end of the shaft.
7. Operate handle 6-10 times and then retighten packing nut.
8. Periodically check packing area for leakage. If leakage appears, tighten packing nut gradually until leakage stops.