

M.V.C.

Manual Vacuum Cleaner



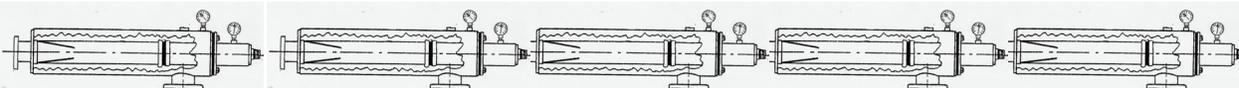
Operation Manual

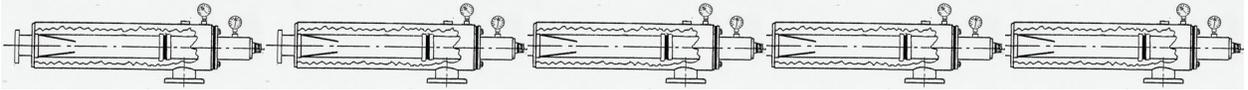


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"INNOVATIVE ENGINEERING & MANUFACTURING"





Installation

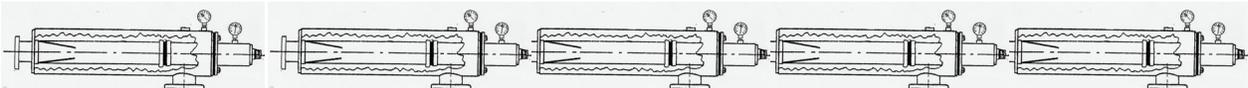
This unit comes completely assembled. If it is a retrofit installation for an existing filter your existing filter and screen will be reworked by CTC and assembled. You merely insert the screen with the head and MVC (manual vacuum cleaner) into your filter body.

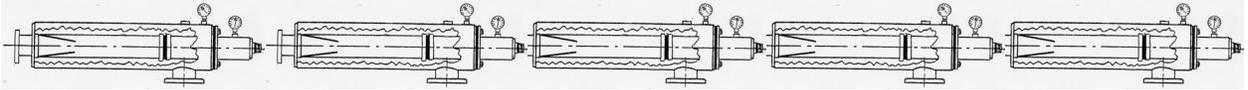
Operation

Refer to figure 1

While the filter is in operation, monitor the two pressure gauges. When a difference of 3 to 5 psi is observed clean the screen.

Open the manual flush valve. The crank and shaft position should be noted. If the handle is tight to the filter end then turn it counterclockwise (as viewed from the handle end of the filter). As you turn the handle notice the shaft end and handle move away from the filter. Slowly turn the crank about 30 turns. Continue to turn until the handle gets hard to turn. Stop! That's the end of the shaft travel and you have completely traveled the screen surface. A series of small vacuum pipes have lifted all debris from the screen surface and moved it out thru the flush port. Close the valve and you are done.





For the next cleaning cycle notice before you begin turning the crank. If the shaft is protruding out of the filter then turn it clockwise. If the shaft end and crank arm are tight up against the filter end then turn the crank counterclockwise.

Caution: the total travel of the shaft in and out is about 3 1/2 inches. DO NOT EXCEED THIS. You will break the mechanism inside the filter screen. Your cleaning system will be totally inoperatable.

Winterizing

After your system is drained open the flush valve to be sure no water is left in the vacuuming line. This presumes that filter itself has been drained.

Maintenance

There isn't any periodic maintenance required. The shaft seal may need replacing after several years. All other components are non-corrosive and will last for many years. If the shaft is turned beyond the end of its travel it will break inside the filter. Consult CTC for replacement parts.

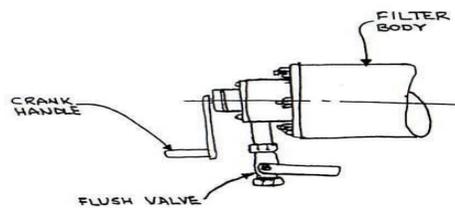


FIG. 1

