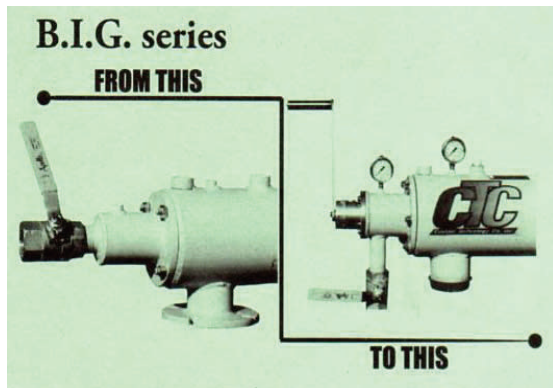
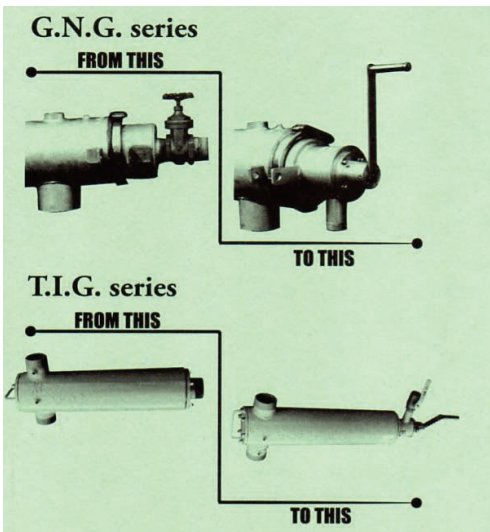
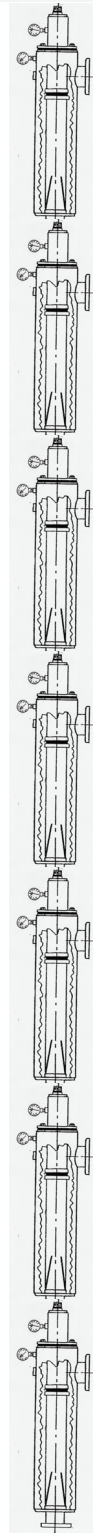
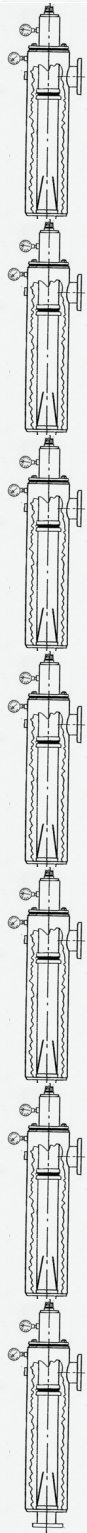


B.I.F.

Brush in Filter

"A manually operated system to clean any CTC B.I.G., T.I.G., or G.N.G. series filter **WITHOUT DIS-ASSEMBLY** and while pressurized.



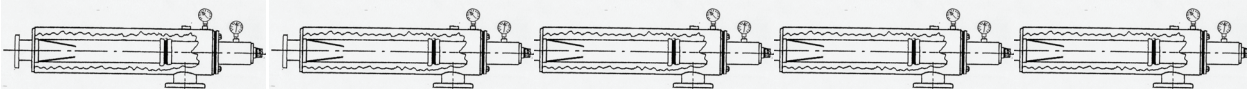
Operation Manual

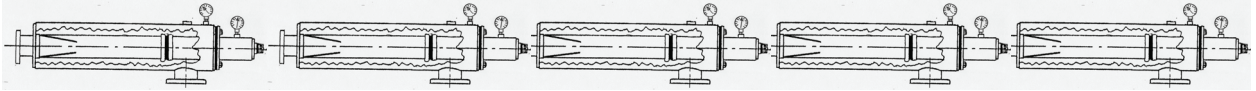


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"INNOVATIVE ENGINEERING & MANUFACTURING"





B.I.F.

This B.I.F. (Brush in Filter) allows quick filter cleaning while it is pressurized. The B.I.F. usually is provided as an integral part of the CTC pressure filter. If it is purchased as a retro-fit for an existing filter it will be already installed in a new heads and screen assembly.

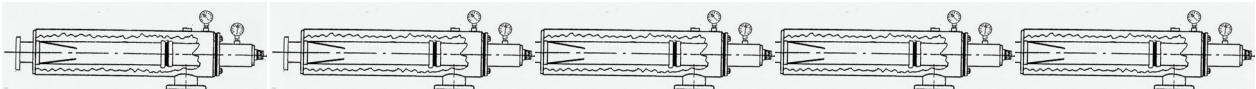
INSTALLATION

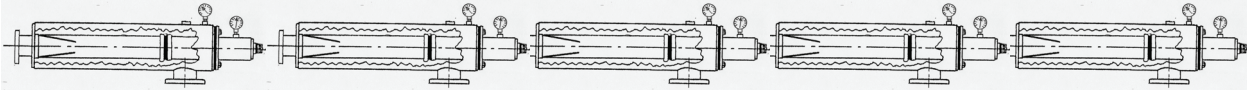
After the B.I.F. is installed in the filter body, you will need to attach a manual valve to the blowoff port. A full diameter ball valve is recommended. Discharge from this valve should be piped away to a refuse site. Do not make this line too long and keep pipe elbows to a minimum. The discharge line terminals should be below the valve for drainage.

OPERATION

Monitor the two pressure gauge readings (figure 1). When the difference between them gets to 5 psi, a cleaning cycle is necessary.

Open the ball valve fully and turn the crank handle slowly.





Note the handle will only turn one direction. Four or five turns should be enough to break all the debris caught on the filter screen surface. Wait a couple of seconds, and then slowly close the valve. The whole process should take less than a minute!

Realizing that this really is a quick, simple task should encourage you to do it frequently which will give you a much cleaner system.

The longer you wait between filter cleanings, the greater pressure difference you will read between the two gauges. As the pressure difference builds the debris caught on the screen surfaces packs harder and harder. At the same time the pressure difference is forcing debris INTO the screen holes. Ultimately the dirt gets pushed all the way through the screen holes to the screen's clean side. It then breaks off and goes out into your system plugging a sprinkler or causing a pressure compensating valve to malfunction. **CLEAN FREQUENTLY!**

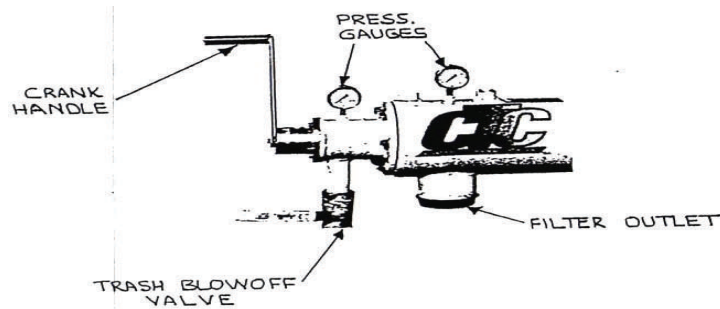
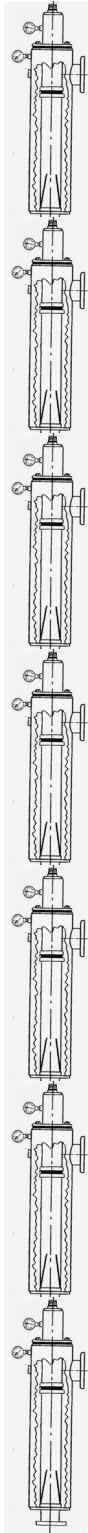
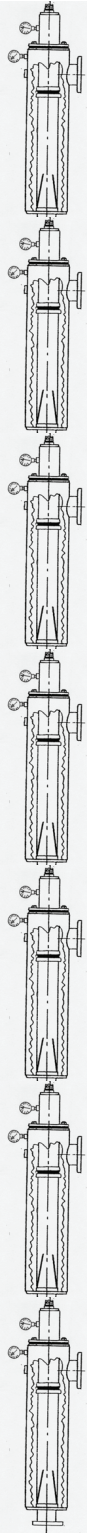
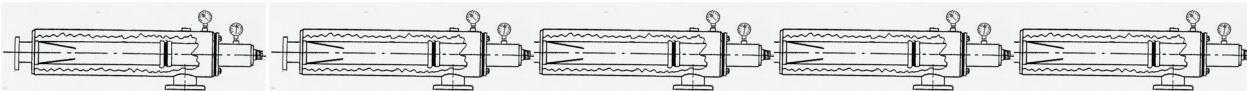
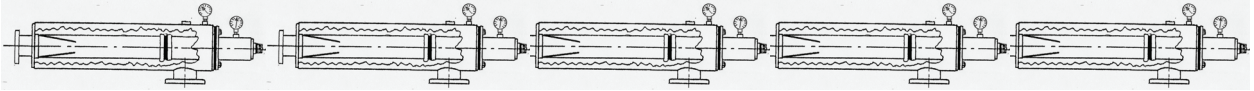


FIG. 1





WINTERIZING

Be sure the filter and blowoff valve line is drained of all water.

MAINTENANCE

In time the shaft seal may wear. This, however, should last many years as it is a grit resistance flat face type seal.

The brushes will also wear but should also give many years of good service. You will know when they need to be replaced.

- *Cranking becomes very easy

- *Pressure difference doesn't go to zero after a cleaning cycle.

At that point we recommend you return the screen with the filter head to CTC for a replacement.

