
The Most Advanced, Automatic,
Non-Disposable Liquid Filtration System

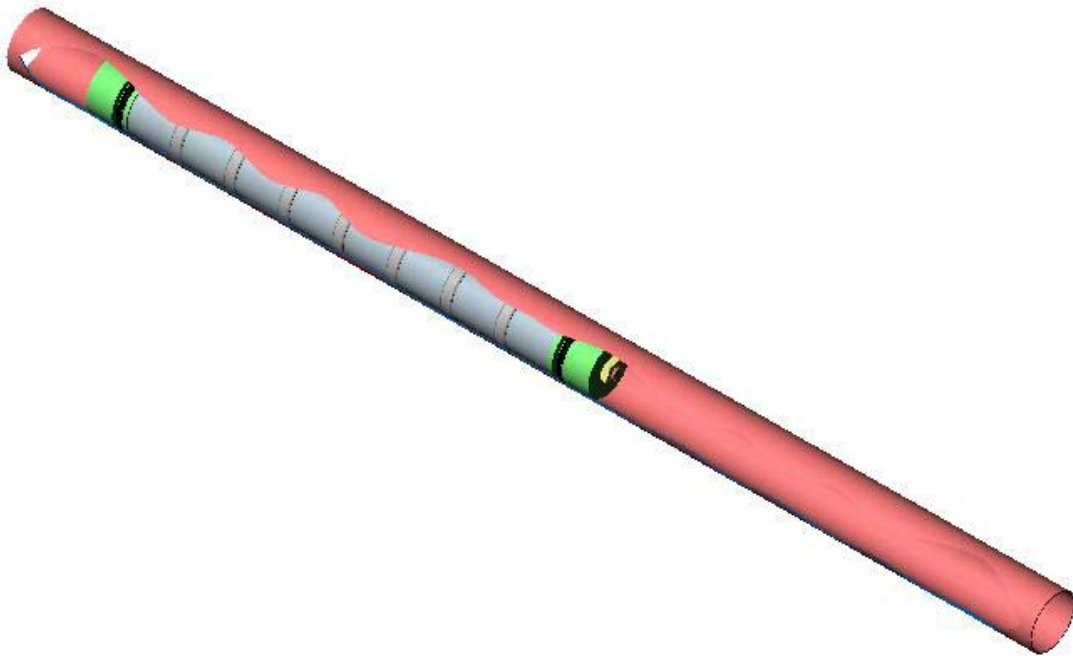


The Maggie is a high intensity magnetic separator with automatic purging capabilities.



The Maggie is fitted in-line, using system pressure, requiring no additional pumps.

The magnets are sealed in a thin walled stainless steel tube.



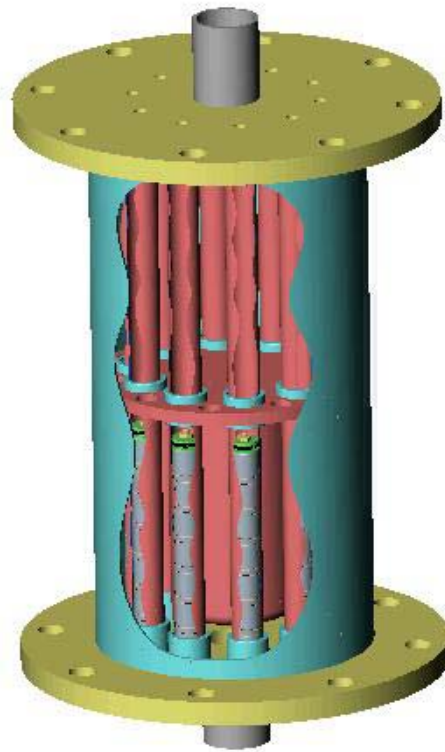
Each magnetic tube contains seven magnet/pole combinations and each Maggie has ten magnetic tubes.

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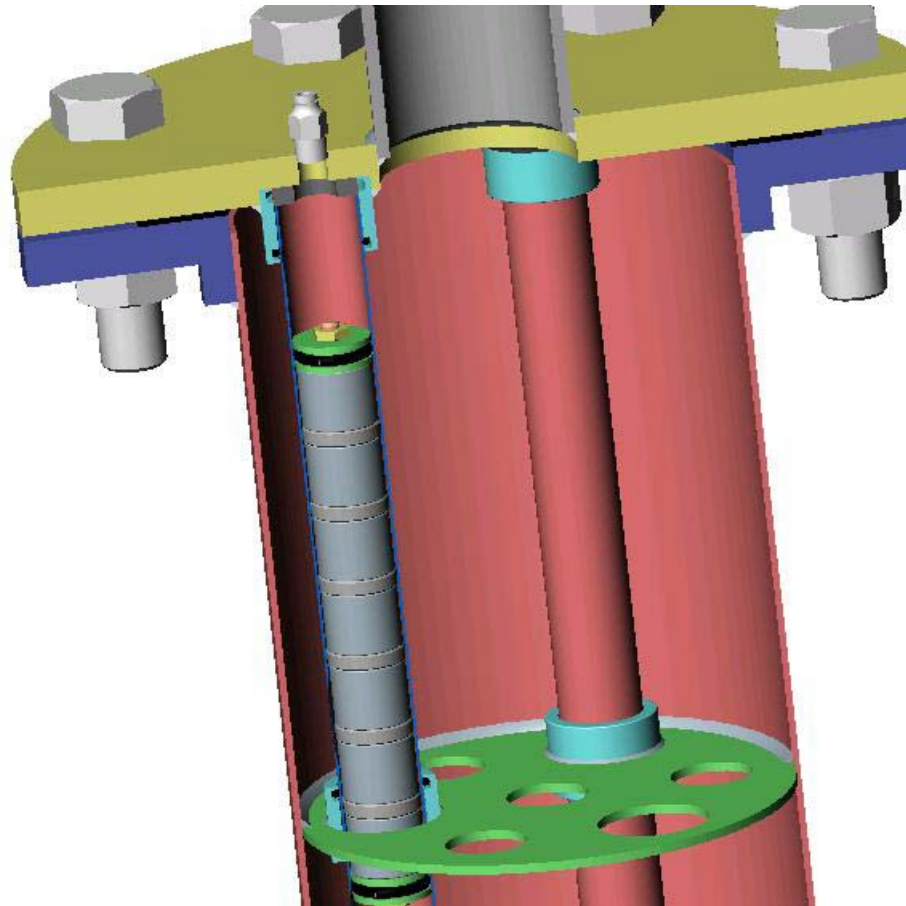
Each magnet/pole combination generates 9,000 Gauss on the tube's surface. With a total of 70 magnet/poles, the Maggie has a total magnetic surface area of 250 sq. in.

While in 'separation mode' the particles are held to the outside of the magnetic tube, below the separator plate.



Particles are allowed to accumulate on the outside of the tube. Tests have shown that the debris can increase to 1/2" thick.

Purging the 'Maggie' requires no mechanical moving parts.



Fitted on the outlet of the separator are two butterfly valves controlled by a single actuator. During purge, the discharge valve will close while simultaneously opening the purge valve.

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The magnets are then shuttled within the tube, above the separator plate. Flow from the top of the separator flushes debris to waste.