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(54) Title: BACK FLUSHABLE STRAINER DEVICE

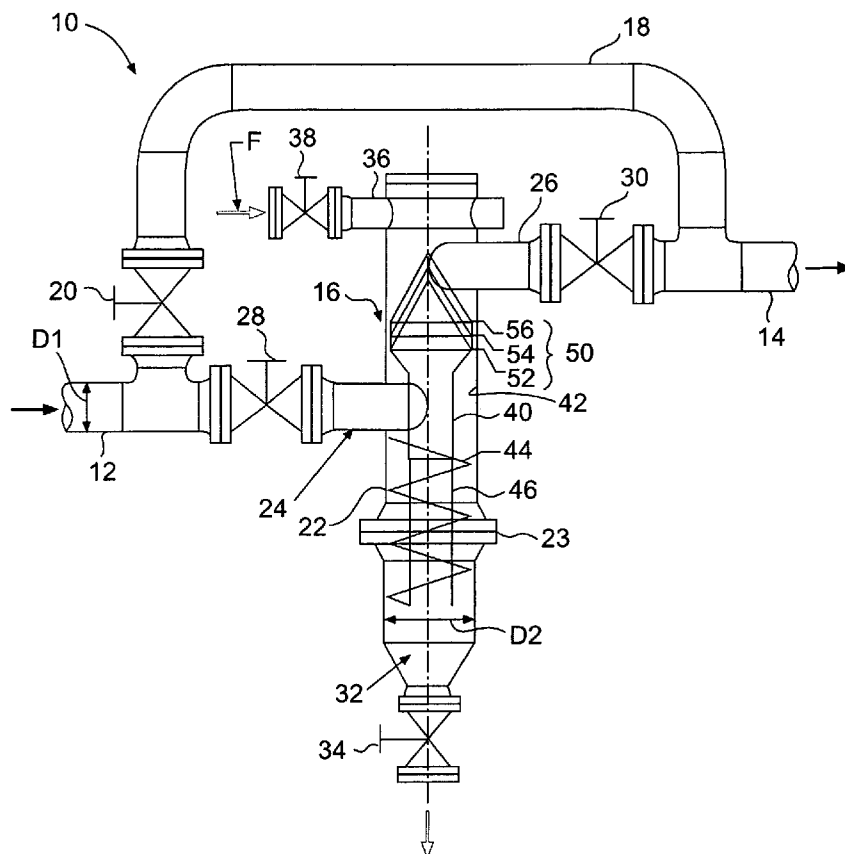


FIG. 1

(57) Abstract: A strainer device (16) for a fluid flow circuit (10) removes debris and solid particles from the fluid flow to prevent plugging and reduce fouling of the system. The assembly includes a chamber (22) that can be hydrocyclonic, a collection area (32), a screen assembly (50) and a distributor (36) that allows selective connection to a flushing fluid. The fluid flows through the chamber past the strainer device, with large particles collecting in the collection area under the influence of gravity and smaller solid particles being collected in the screen assembly. Particles can be flushed from the system by selectively activating the distributor to back flush the screen assembly and sweep the collection area free of solid particles without disassembling the system.



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