

SPIROTHERM®

SUGGESTED SPECIFICATIONS

SPIROVENT® Air Eliminator and Dirt Separator

Furnish and install as shown on the drawings a Spirovent coalescing type air eliminator and dirt separator on the hot and chilled water systems. Pipe size is not a factor and all units should be selected at the point of peak efficiency per the manufacturer's recommendations. All combination units shall be fabricated steel, rated for 150 psig working pressure with entering velocities not to exceed 4 feet per second at specified GPM. Spirovent "HV" units specifically designed for high velocity systems may have an entering velocity of up to 10 feet per second. Units shall include an internal Spirotube® bundle filling the entire vessel to suppress turbulence and provide high efficiency. The bundle must consist of a copper core tube with continuous wound copper medium permanently affixed to the core. A separate copper medium is to be wound completely around and permanently affixed to the internal element. Each eliminator shall have a separate venting chamber to prevent system contaminants from harming the float and venting valve operation. At the top of the venting chamber shall be an integral full port float actuated brass venting mechanism. Units shall include a valved side tap to flush floating dirt or liquids and for quick bleeding of large amounts of air during system fill or refill. Separator shall have the vessel extended below the pipe connections an equal distance for dirt separation. *Air Eliminators shall be Spirovent Dirt models manufactured by Spirotherm, Inc. and be capable of removing 100% of the free air, 100% of the entrained air, and up to 99.6% of the dissolved air in the system fluid. Dirt separation shall be at least 80% of all particles 30 micron and larger within 100 passes.

*Optional: Separator shall include a removable lower head to facilitate removal of Spirotube assembly for inspection or cleaning. Separators shall be Spirovent Drain models manufactured by Spirotherm, Inc. and be capable of removing 100% of the free air, 100% of the entrained air, and up to 99.6% of the dissolved air in the system fluid. Dirt separation shall be at least 80% of all particles 30 micron and larger within 100 passes.

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