



HYBRID STEAM TRAP

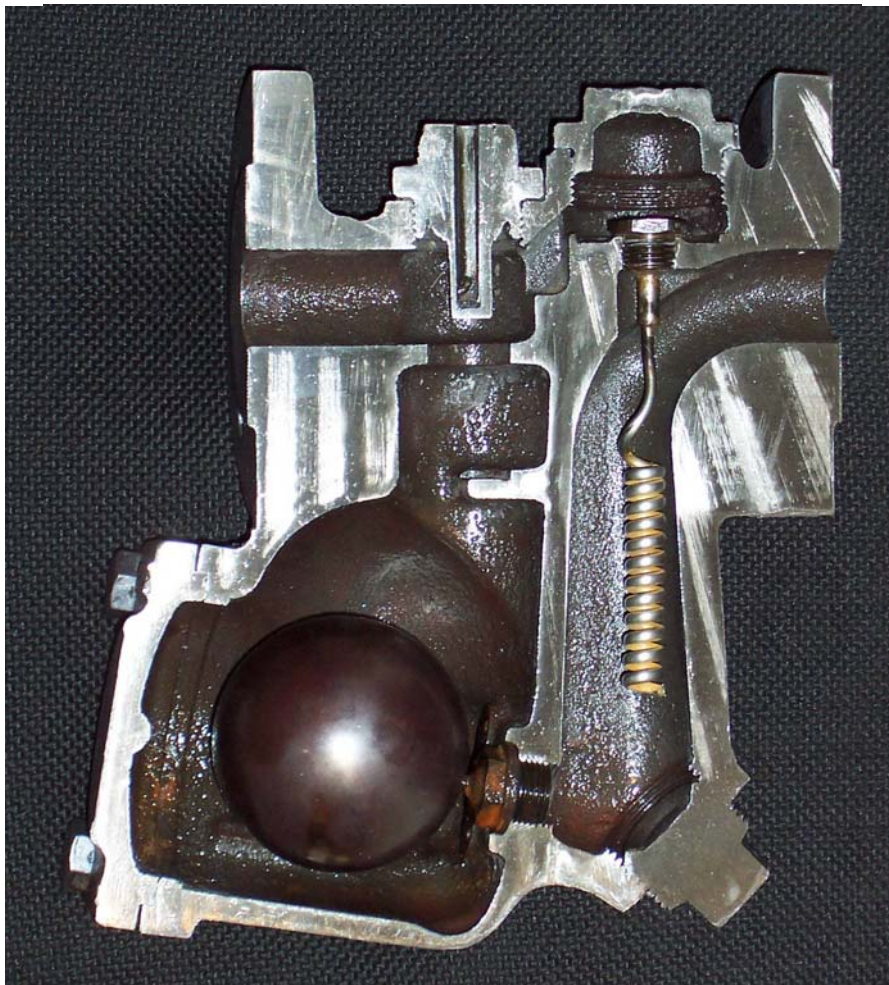
A Hybrid Trap is a combination of one free ball trap and one Baviera spiral. Hybrid Traps are two way traps: the free ball allows condensate to come out continuously and the Baviera spiral regulates the desired blow through steam.

Rolls in single facers turn at machine speed, so contained condensate is liable to centrifugation. In spite of having the siphon or internal pipe for condensate collection correctly positioned, it is, in any case, liable to experience small vibratory movements that often will take it away from its right position. This vibrations make the siphon to be continuously taking in, together, condensate and steam. Under this circumstances, a conventional drainage (designed for condensate removal and cold air removal, not steam) would experience a steam blocking, what would increase the inner condensate ring thickness.

The integrated spiral of the Hybrid Trap provides a blowthrough steam (around 5% of its roll steam consumption) that removes this steam "parcels", avoiding steam blockings and the corresponding decrease in heat transfer, that is to say:

Hybrid Traps allow faster heating of the rolls, quicker changes in their regulated pressure and bigger flexibility upon different production conditions leading, therefore, to higher heat transfer and higher energy efficiency.

FLANGED



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