



Tangential Air Separators “Typical Specifications ASME Vessels”

Furnish and install, as shown on plans, a centrifugal type air separator. The unit shall have ____ (NPT/flanged/grooved) inlet and outlet connections tangential to the vessel shell. An NPT vent connection shall be fitted to the top of the vessel to enable installation of piping. Air separators shall have all steel body construction.

The unit shall have a removable stainless steel system strainer with 3/16” (4.8mm) diameter holes (perforations). A blowdown connection shall be provided to facilitate routine cleaning of the strainer. (Disregard this paragraph if system strainer is not specified).

Manufacturer to furnish data sheet specifying air collection efficiency and pressure drop at rated flow.

The air separator must be designed, constructed, and stamped for (125) (150) (____) psig @ 350°F (177°C) in accordance with section VIII, Division 1 of the ASME Boiler and Pressure Vessel Code, and registered with the National Board of Boiler and Pressure Vessel Inspectors. The air separator(s) shall be painted with one shop coat of red oxide primer.

A manufacturers’ Data Report for Pressure Vessels, Form U-1 as required by the provisions of the ASME Boiler and Pressure Vessel Code shall be furnished for each air separator upon request.

Each air separator shall be AMTROL, Model __ - AS – L (without system strainer) or __ - AS (with system strainer) air separator for ____ GPM.



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