Engineering Specifications

Type T, ST or STH Gas/Liquid Separators

All gas/liquid separators shall be constructed of (iron, carbon steel, stainless steel or other alloy) with threaded, flanged, or socket weld connections for pipe size___. Construction shall be (cast, fabricated). Separators will remove 99% of entrained liquid or particulate matter 10 micron in size or larger when properly installed. Re-entrainment of separated material will be prevented by a Vortex Containment Plate. Options required are (integral trap, trap heating element, ASME UM or U Code Stamp, water gauge tap, thermometer tap, larger drain size). Separators shall be Eaton Type (T, ST, STH).

Type 30L Series Gas/Liquid Separators

All gas/liquid separators shall be of fabricated (carbon steel, stainless steel or other alloy) with flanged connections for pipe size___. Separators will remove 99% of entrained liquid or particulate matter 10 micron in size or larger when properly installed. Separator design shall incorporate a Cenpellar™ for efficient operation. Re-entrainment of separated material will be prevented by a Vortex Containment Plate. Options required are (oversize inlet connections, reduced size inlet and outlet connections, specified flow pattern, integral sump, ASME code stamp. Separators shall be Eaton Type 30L Series.

Type 31L-ST Gas/Liquid Separators

All gas/liquid separators shall be cast iron construction with (threaded or flanged) piping connections for pipe size ___. Separators will remove 99% of all entrained liquid or particulate matter 10 micron in size or larger when properly installed. Separators to incorporate a Cenpellar for efficient operation and a Vortex Containment Plate to prevent re-entrainment of separated material. All separators shall have an integral trap to save space and shall be capable of automatically ejecting the condensate at predetermined levels without loss of line pressure. Required options include (trap heater, ASME Code Stamp). Separators shall be Eaton Type 31L-ST.

Type 10-R Series Gas/Liquid Separators

All gas liquid separators shall be fabricated (carbon steel or other alloy) construction with flanged connections for pipe size ___. Separators will remove 99% of all entrained liquid or particulate matter 10 micron in size or larger when properly installed. Separators shall have a two stage design for separating large volumes of liquid and be capable of handling liquid slugs. Re-entrainment of separated material will be prevented by a Vortex Containment Plate. All separators will have an ASME Code Stamp. Required options are (support stand, multiple inlets/outlets). Separators shall be Eaton Type 10-R Series standard or compact..

Type CLC Coalescer/Separators

All gas/liquid separators shall be of fabricated (carbon steel or other alloy) construction with flanged connections for pipe size___. Separators will have a two stage coalescer/separator design and remove 99% of all liquid and particulate matter 4 micron in size or larger when properly installed. Separators to incorporate a de-mister pad and a Cenpellar™ for efficient operation as well as a Vortex Containment Plate to prevent re-entrainment of separated material. Required options are (ASME Code Stamp). All Coalescer/Separators shall be Eaton Type CLC, 31, 35 or 36.

Type DTL Gas/Liquid Separators

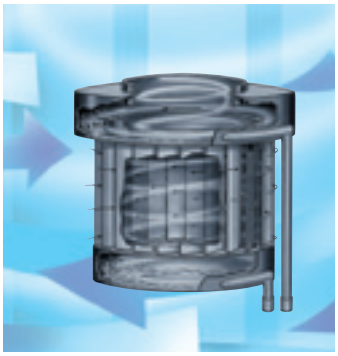
All gas/liquid separators shall be fabricated (carbon steel, stainless steel or other alloy) construction with flanged connections for pipe size___. Separators will remove 99% of all liquid or entrained particulate matter 10 micron in size or larger when properly installed. Separators to be specially designed to handle larger than normal solid loads and have a conical shaped sump to better collect solids. Separators shall have a Vortex Containment Plate to prevent re-entrainment of separated material. All separators shall be Eaton Type T-DTL, 33L-DTL, or 31L-DTL.

Exhaust Heads

All exhaust heads shall be (cast iron), (fabricated carbon steel, stainless steel or other alloy) construction with (threaded or flanged) piping connections for pipe size___. Exhaust heads will remove 99% of all entrained liquid or particulate matter 10 micron in size or larger when properly installed. All exhaust heads will be designed so that there will be no required maintenance and have a Vortex Containment Plate to prevent the re-entrainment of separated material. Exhaust heads shall be Eaton Type 40EHC or Type 40EHMF.

Float Drain Traps

All float drain traps shall be cast (iron or stainless steel) with stainless steel internal parts and threaded connections for pipe size ___. Traps to require no priming and all internal parts should be attached to and removable with the cover without disconnection the trap from the line. All traps shall have corrosion resistant stainless steel, nonmagnetic valves and seats. Traps to be Eaton Model 90AC, 95AC, 230AC or 350AC.



Type 60-I and 70-I Internal Separators

All gas/liquid separators shall be of the internal design type and fabricated of (carbon steel, stainless steel or other alloy) with Type 304L stainless steel blades. Separators shall remove 99% of all entrained liquid or particulate matter 10 micron in size or larger when properly installed. Separators shall have an (upflow, down-flow) design configuration. Separators to be Eaton Type 60-I or 70-I.

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