

SEPARATOR

Separator with a liquid boot



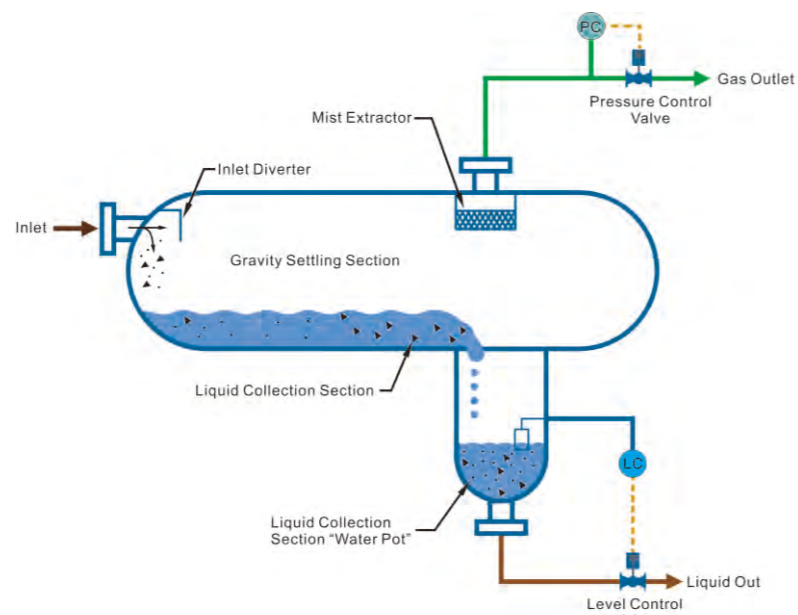
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Two-phase separator
Liquid/Liquid Separator



Product Description

For ill-defined light/heavy liquid phase and very low light/heavy liquid flow rate ratio, a boot is recommended to allow an extra heavy liquid settling and calming section and higher longer liquid level for liquid level indication and control accuracy.



Product Description

In case the processed gas flow is so insignificant that it is ignored, the separator is used for two liquid phases separating and it is called liquid/liquid separator. It surely is two-phase separator but the design and structure are basically the same with Three-phase separator, only gas outlet is canceled or combined with light-phase outlet.

Two-phase separator is also called gas-liquid separator. As its name suggests, it is used for separating gas and liquid in wet gas stream, or more generally the gas/liquid stream, when the complex liquid phase components are not required to be separated from each other. Since the stream conditions and required efficiency may vary widely, the Two-phase separator can be designed in many models and with different performances. For instance, a gas/liquid separator upstream of a gas compressor would need to be very efficient, whereas in other cases only bulk separation of the gas and liquid phases is required. Gas/Liquid Two-phase separator is often used as a buffer/surge/accumulator tank/vessel. Different names show different parts of processed stream behavior and the application emphasis. Sometimes the key structure or component may also be indicated on separator names, such as vane pack separator and coalesce separator.

