

STEAM SEPARATOR

Steam & Condensate Solutions

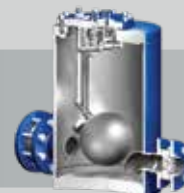
INCREASE EFFICIENCY. PROTECT EQUIPMENT. IMPROVE SAFETY.



CONA® Steam Traps



CONA® P Pump Traps



CONLIFT® Pumps



CODI® Manifolds

ARI Product Diversity
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STEAM SEPARATOR

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A steam separator (sometimes referred to as a moisture separator) is used to separate entrained liquid or moisture droplets that cause “wet steam,” a common condition found within most saturated steam systems.

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- Reduces maintenance of expensive control valves.
- Improves process productivity and/or product quality.
- Removal of the water barrier between your steam and secondary media, product, or process.
- Reduce pipe corrosion and wiredrawing in your systems or equipment.
- Protects your system from dangerous conditions like water hammer.
- Increase our manufacturing warranty from 1 year to 2 years when installed before our control or pressure reducing valves.
- Product's design with correct sizing guarantees an efficient drying effect close to 99%.

Materials: Carbon Steel

Rating: Class 150–Class 300 // PN 16–PN 40

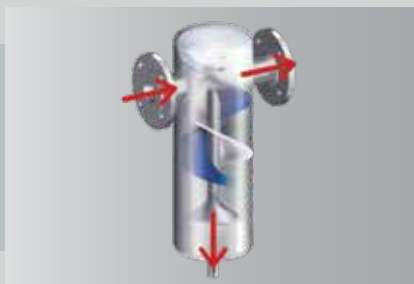
Sizes: NPS 1/2" to 12" // DN 15 to 300

Connections: Flanged (Class 150–300), Threaded, Butt Weld

Mounting*: Vertical (standard); optional horizontal configurations available.

*Always install with a properly sized & selected steam trap assembly.

Increase condensate return!



Steam enters the separator and is then deflected in a centrifugal downward motion. As a result of a reduction in velocity and the differences in specific gravities of liquid and steam, the entrained moisture is separated and falls to the bottom of the separator. Condensate is then removed from the system with a steam trap assembly.

Protect your steam system!



Steam separators perform many functions in a steam system. They remove condensate and other fluid flow impurities, they reduce wet-steam pipe corrosion, and they protect your equipment's seating surfaces from wiredrawing erosion.

Improve the system's reliability!



Install a steam separator upstream of control valves, pressure reducing valves, heat exchangers, steam mains, and boiler headers. Without a steam separator, instantaneous high demands, undersized steam systems, poor boiler level, or poor TDS control can cause steam carryover or priming out of boiler.