For High Purity System Needs

Clean steam range

FORBES MARSHALL

Clean Steam Range

Backed by over 70 years of experience in steam system design, we help design and provide robust, innovative solutions and components for your high purity steam systems.

For the pharmaceutical and food Industry, we offer a comprehensive range of clean steam products manufactured in our state-of-the-art facility at Chakan, Pune. These products are designed to meet ISPE baselines.

Clean Steam Applications

Clean Steam Trap (CST)

The Clean Steam Trap (CST) is a thermostatic balanced pressure steam trap developed for clean and pure steam applications. The range includes units that minimise condensate backup for critical and high-flow applications in Clean-in-Place(CIP) / Sterilization-in-Place (SIP) processes.

Applications include,
Drainage of steam distribution lines,
Sterile steam barriers,
SIP processes,
Fermenters, and
Sterilisers.

Sample Cooler

The Sample Cooler has a compact, space saving, shell-in-shell design which ensures quick and safe sampling of high purity media. A counter current flow is utilised to maximise cooler efficiency.

Applications include,
Clean steam,
Pure steam, and
Hot Water for Injection (WFI) sampling.

Clean Steam Moisture Separator (CSSEP)

The Clean Steam Moisture Separator (CSSEP) is a unique product that enables clean and pure steam systems comply with the dryness requirements of EN 285 and HTM 0101 standards.

Applications include,
Pure steam distribution networks,
Delivery lines to sterilisers,
Inlet of pressure reducing valves,
Control valves, etc.

Clean Steam Pressure Reducing Valve (CSPRV)

The Clean Steam Pressure Reducing Valve (CSPRV) is a self draining direct acting pressure regulating valve suitable for fluid pressure control.

Applications include,
clean/pure steam,
liquid and pure gas distribution to bio-reactors, centrifuges,
freeze dryers,
sterilisers,
process tanks, and
humidification.

Clean Steam Safety Valve (CSSV)

The Clean Steam Safety Valve (CSSV) is an angle pattern stainless steel sanitary safety relief valve.

Typical applications include
Clean and pure steam,
Water for injection (WFI),
Purified water (PW),
Compressed air supply to bioreactors, centrifuges, lyophilisers, sterilisers, process vessels, storage tanks and other gas and liquid applications.

World Class Clean Steam Manufacturing Area and Testing Facility

Fully Compliant Documentation

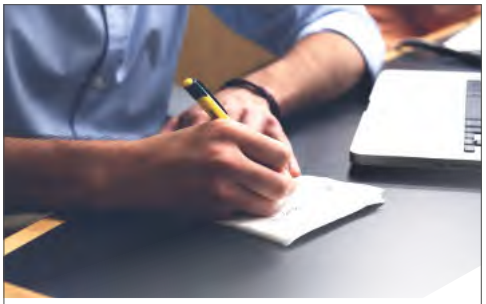
We understand the industry's certification and documentation requirements completely. Our clean and pure steam product range is available with,

Full material certification in line with ASME BPE

FDA / USP Class VI approved material certification

Surface finish certification as per ASME BPE

Welding procedures and qualifications as per EN287



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