

BCV blowdown control valves

DN15 to DN50 (½" to 2")

Our new range of BCV blowdown control valves are based on the tried and tested SPIRA-TROL® platform. This new cost effective solution is part of a range of automatic TDS control systems that limit a boiler's total dissolved solids within recommended levels, avoiding excessive blowdown and heat loss.

As steam is produced the TDS level of water in a boiler increases. If left uncontrolled TDS levels can exceed recommended levels and carryover of boiler water along with steam output will occur into steam and condensate return systems, causing waterhammer, corrosion and deposits on heat transfer surfaces.

Accumulation of deposits in control valves, steam traps and on heat transfer surfaces will adversely affect their performance resulting in decreased productivity and reduced efficiency. A Spirax Sarco automatic blowdown control system is designed to maintain the TDS at an optimum level keeping blowdown to a minimum, thus maintaining a healthy steam and condensate system and conserve water and energy.

All products are CE marked and comply fully with the European Pressure Equipment Directive 97/23/EC. The valve body can also be provided with certification to EN 10204 3.1 if requested at the point of order placement.



First for Steam Solutions

EXPERTISE | SOLUTIONS | SUSTAINABILITY

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Features and benefits

- Suitable for all steam boiler TDS applications up to PN100 (ASME class 600)
- Clamp-in-place seat design
- Consistent tight shut-off
- Minimal seat erosion
- Choice of pipe and flange connections
- Available with a choice of electric or pneumatic actuation
- Cost effective solution
- No special tools required; allowing easy maintainance with reduced downtime
- Accurate control of TDS levels on high pressure, low flow applications
- Helps conserve water and energy.



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