

SEMPPELL HIGH PRESSURE WATER CONTROL VALVE MODEL 142

Specially designed low-maintenance control valves for a wide range of applications in water circulation



FEATURES

- Modular design
- Suitable for continuous operation
- Easily changeable trims
- Different plug types available
- Minimized wear and tear through separation of sealing and control area at high Δp
- Different actuator types can be used
- Low-friction PTFE collar for temperatures $\leq 400^\circ\text{C}$ / 480°F .
- Resistant to standard pickling process
- Thermal stress resistant

GENERAL APPLICATION

The series 142 designer angular water control valves for the following applications:

- Water injection at HP/IP Bypass.
- Feedwater Start-up Control valve.
- Minimum Flow valve at Feedwater pumps.
- Blow-down valve at drum boilers.

The narrowly scaled C_v values-series and a large control ratio allow an exact adjustment for the respective task. The trims can be easily changed. A huge combination of material choices and multi pressure reduction stages.

TECHNICAL DATA

Size:	DN 65 to DN 400 / NPS 1 to 10
Pressure:	Up to 480 bar Up to Class 2800
Temperature:	-29 °C to 400 °C -20 °F to 750 °F
Material:	1.0460 / 1.5415 / 1.7335 / 1.7383 / 1.6368 / 1.4903 / 1.4901 SA105 / SA 182-F12 / -F22 /-F91 /-F92 Other materials on request
Connection:	Butt weld ends acc. to ASME B16.25 or ISO 9692-1

Neither Emerson, Emerson Automation Solutions, nor any of their affiliated entities assumes responsibility for the selection, use or maintenance of any product. Responsibility for proper selection, use, and maintenance of any product remains solely with the purchaser and end user.

Sempell is a mark owned by one of the companies in the Emerson Automation Solutions business unit of Emerson Electric Co. Emerson Automation Solutions, Emerson and the Emerson logo are trademarks and service marks of Emerson Electric Co. All other marks are the property of their respective owners.

The contents of this publication are presented for informational purposes only, and while every effort has been made to ensure their accuracy, they are not to be construed as warranties or guarantees, express or implied, regarding the products or services described herein or their use or applicability. All sales are governed by our terms and conditions, which are available upon request. We reserve the right to modify or improve the designs or specifications of such products at any time without notice.

[Emerson.com/FinalControl](https://emerson.com/FinalControl)