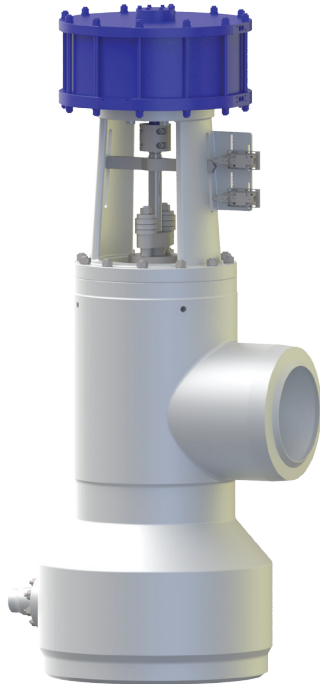




SEMPPELL TURBINE BYPASS VALVE

MODEL 115

A series of high pressure turbine bypass valves that provide greater reliability and flexibility under extreme conditions.



FEATURES

- Pressure reduction by multi-stage controlled expansion
- Atomizing steam desuperheater, providing short evaporation length and protection of downstream piping against thermal shock
- Subsequent adjustment to changed operational conditions possible due to easily exchangeable trim and seat
- Spring-loaded packing for long term leak tightness
- Pressure seal bonnet
- Order-specific optimization of trim flow areas and desuperheater
- All actuator types can be used
- Optional: Pre-warming and condensate drain studs
- Pressure balanced trim with pilot plug and cup springs

GENERAL APPLICATION

Steam turbine and boiler protection at steam turbine trip.
 Steam turbine to cold reheat or condenser while boiler/ turbine startup and shut down.
 Applied in in coal fired power plants and CCGT power plants.

TECHNICAL DATA

Size:	DN 150 to DN 1500 NPS 06 to 60
Pressure:	Up to 320 bar Up to Class 4500
Temperature:	-29°C to 630°C -20°F to 1100°F
Material:	1.7383 / 1.4903 / 1.4901 SA 182 -F22 /-F91 /-F92 Other materials on request
Connection:	Butt weld ends acc. to ASME B16.25 or ISO 9692-1

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