VELAN

# SETTING THE STANDARD FOR HIGH QUALITY VALVES
IN POWER GENERATION

In critical applications, both on the feedwater and steam side, key valve components such as wedges, discs, and seats are coated with a hardfacing material to protect them from the effects of wear, high loads, corrosion, and erosion.

To address the specific industry challenges related to hardfacing for high temperature applications, Velan has developed a set of best practices related to design, material specification and manufacturing processes in collaboration with Electric Power Research Institute (EPRI) and local universities.

Having gained a great deal of experience and research based knowledge on materials and welding and having developed proven procedures and guidelines, Velan is well positioned to answer users' needs in high temperature power plant applications. We continue to proactively address industry concerns and refine our state of the art valve designs.

PRESSURE SEAL VALVE

> Proprietary hardfacing procedure, developed through partnership with EPRI and Polytechnique Montreal, reduces risk of cracking or disbonding. This is standard on all new orders for F91, F92, and C12A valves and components.

> New ASME and EN design: Stronger lighter weight material.

> Engineered to order: Optimized valve sizes for your plant conditions.
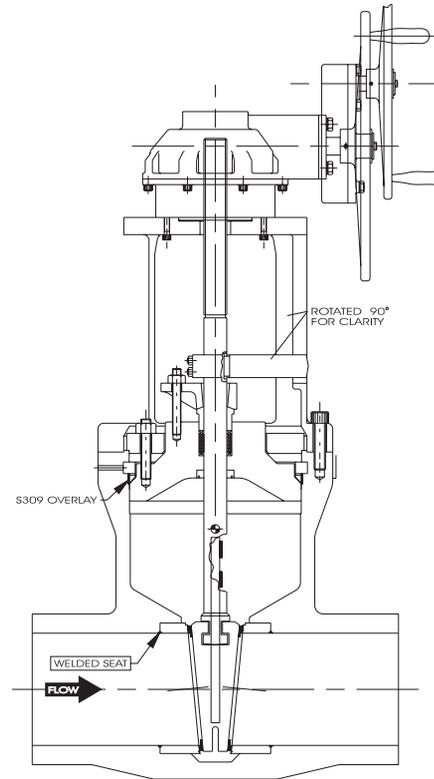
OTHER RELEVANT PRODUCTS

HIGH PRESSURE GLOBE VALVES

Velan offers valves ideal for high pressure and high temperature applications including the Y-pattern globe.
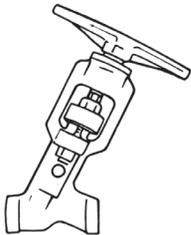
LOW PRESSURE GATE, GLOBE & CHECK VALVES

Velan offers vast experience and expertise in recommending, sizing, manufacturing and supplying cast and forged valves for power generation.
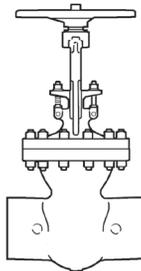
STEAM TRAPS

Available in F91 alloy with pressure ratings to ASME Class 4500, the Velan steam trap can prevent steam loss and increase heat rate on superheated drain applications.
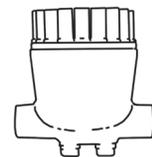
CONTACT US TO FIND OUT HOW WE CAN SUPPORT YOUR POWER PROJECTS

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