INNOVATIVE WELLHEAD DESIGN WITH INTEGRATED BYPASS

Maximum Efficiency and Reliability for Production Systems

Our new wellhead design with an integrated bypass system has been specifically developed for demanding production environments where efficiency, flexibility, and plant availability are critical.

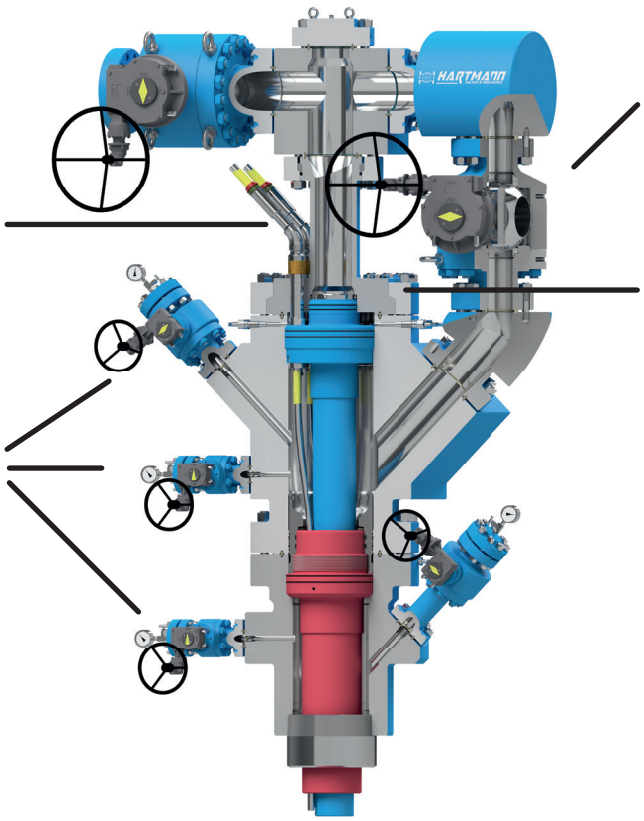
This advanced design enables targeted reinjection through production heads, significantly extending the service life of ESP pumps (Electric Submersible Pumps). The bypass allows for controlled flow redirection – ideal when the power plant is temporarily unable to take the full water volume.

THE ADVANTAGES AT A GLANCE

- **Enhanced operational safety:** The bypass reduces pressure on the ESP, minimizing failures and extending maintenance intervals.
- **Flexible reinjection option:** Optimized use of existing production infrastructure for reinjection.
- **Continuous operation even with limited offtake:** The system keeps production stable, even when water offtake at the power plant is restricted.
- Compact, modular design available in various sizes.
- **Sustainable and efficient:** Promotes resource-efficient and long-lasting operation of the production facility.

APPLICATION

Ideally suited for geothermal production facilities where flexible control of production flow is essential. The system ensures maximum availability and reduced operating costs throughout the entire life cycle.



PUMP CONNECTOR
Cable feed-through for ESP pump.

SIDE OUTLETS
Enable pressure control as well as access to annuli for measuring and control equipment.

BYPASS
The large-scale volume design with thermal water bypass (acc. to API 6A) enables the pump to start and shut down smoothly during maintenance or plant standstill.
The design allows a subsequent automation.

ADAPTER FLANGE
Allows the excentric hanger assembly while maintaining a centric alignment of the upper parts with bypass.