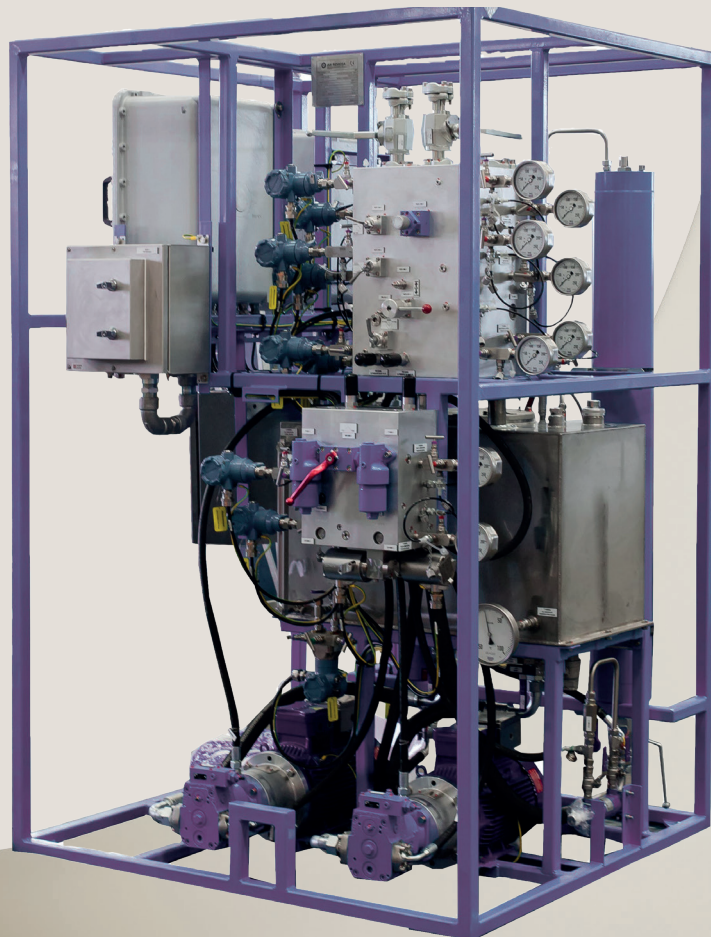
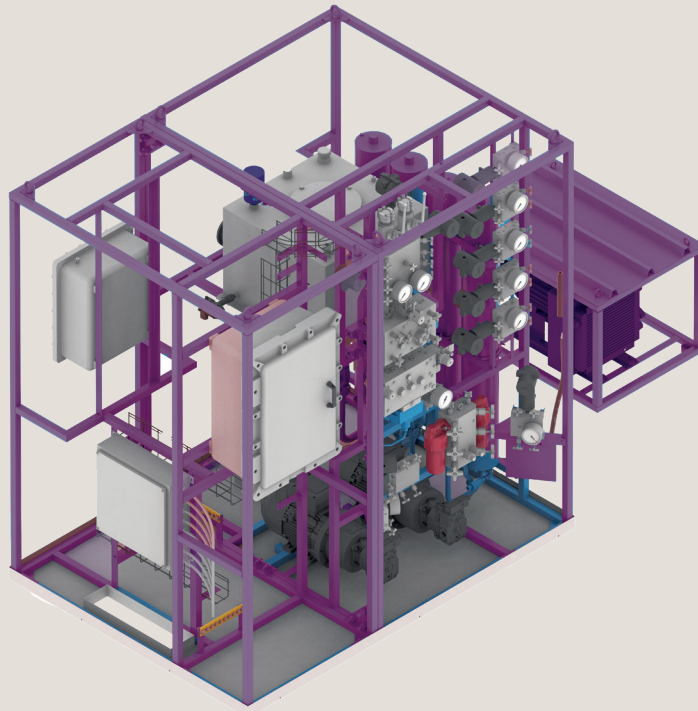


Process Automation

IMI Remosa
Hydraulic Power Control Unit



Breakthrough
engineering for
a better world



Hydraulic Power Control Unit (HPCU)

IMI Hydraulic Power Control Units (HPCU) are custom designed to meet the most stringent process licensors' specifications, international and local standards. They play a crucial role in providing precise and reliable control for industrial valves.

Redundancy: Each HPCU is equipped with dual redundant pumps and filters to provide uninterrupted service. Additional redundancy is available upon request including sensors, accumulators, solenoid and servo valves.

Fail-Safe Mode: Depending on valve service, the HPCUs can be configured to perform fail-safe action, independently by on board controller and in response of plant safety system.

Components: IMI uses only components from world-class suppliers, to ensure top quality and reliability. HPCUs can be designed according to client's needs and standard practices

Control: HPCU logic is implemented in electronic controllers (PLC). Logic can be customised according to specific requirements.

Ergonomic Design: HPCUs are designed for the highest ergonomics and ease of operation. Downtime for inspection and repair is minimal.

Product specifications

HPCU: Hydraulic Power Control Unit

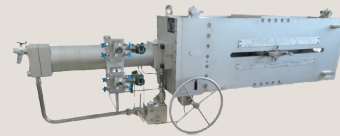
Hydraulic Power Unit (HPU): Oil reservoir, pumps, filters and cooling/heating system store the hydraulic fluid, ensure its quality level and provide the hydraulic pressure which is then used in the HCU to operate the actuator.

Hydraulic Control Unit (HCU): The hydraulic energy is stored in the accumulators (dedicated to modulating service and to failsafe action). A high performance servo valve controls the oil flow to the actuator to ensure precise and fast positioning according to DCS demands. A separate circuit is ready to trip the valve to failsafe position in response to plant safety system command.

Combined/split design: depending on specific requirements and space constraints, the HPU and HCU can be designed as combined (HPCU) or independent skids. Also, the HPU can serve multiple HCUs at the same time.

Full package solution

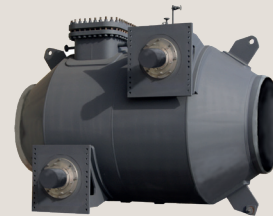
IMI's engineering experts have developed integrated packages that combine valves, actuators, and hydraulic power control units. These packages are tailored to meet customer needs for high-temperature and erosive applications. The goal is to provide a comprehensive solution that ensures optimal performance and reliability in demanding process conditions.



Linear actuator



Hydraulic Power Control Unit



Industrial valves

Benefits

IMI offers integrated solutions and we are able to provide customised valves together with actuating systems as a complete package for the following applications:

- Fluid Catalytic Cracking (FCC)
- Power recovery trains (PRT)
- Power generation turbines
- Delayed Coking
- Propane Dehydrogenation (PDH)
- HIPPS
- FPSO

IMI's know-how allows our engineering department to reduce the development time of new products and to adapting existing products to new, challenging applications.

Hydraulic & electric assembly

IMI's manufacturing process is a key factor in ensuring unmatched product quality. We manufacture entirely in house, thereby assuring quality control from start to finish. This significantly reduces the risks normally associated with valve operation.



Process Automation

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