

# PAUL WURTH

SMS group

## Valves for Dehydrogenation

Oil & Gas Downstream Processes



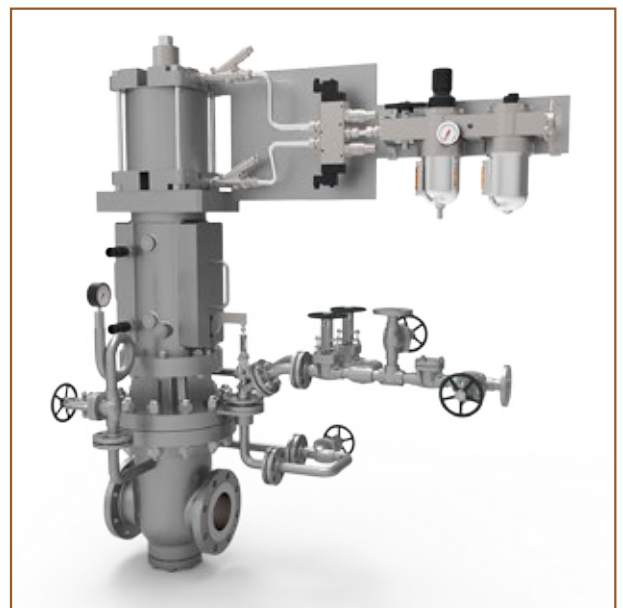
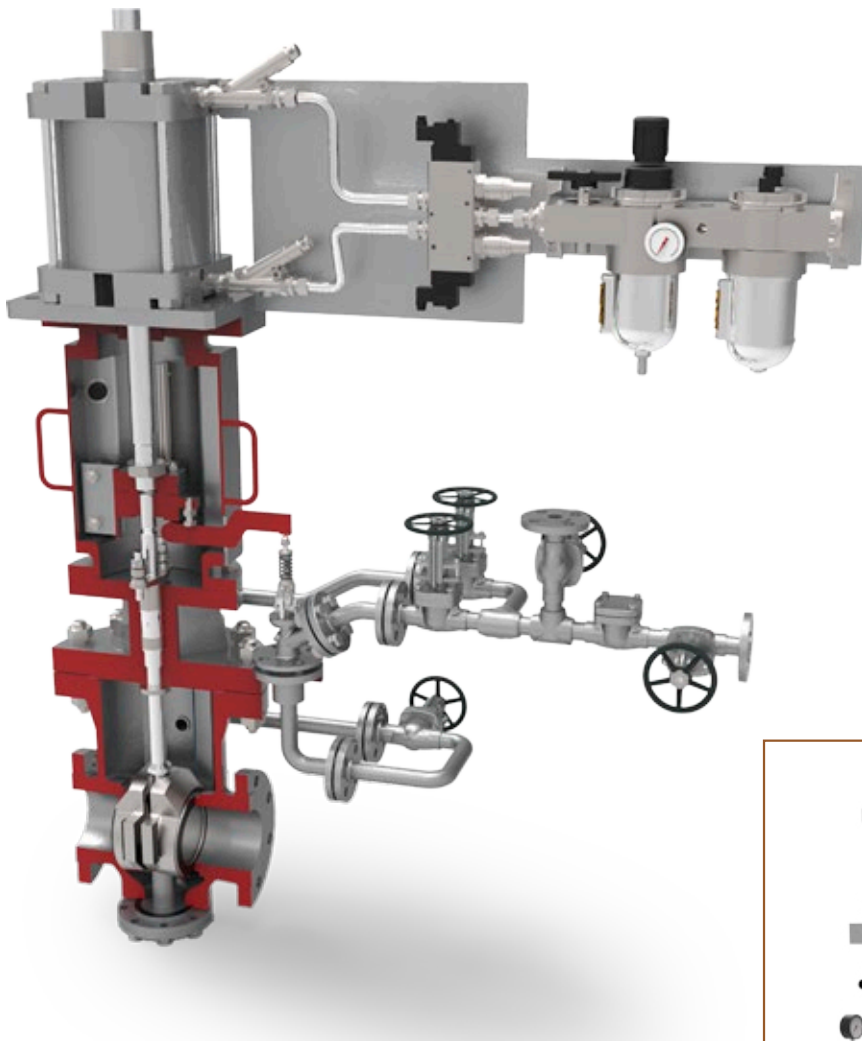
Taking advantage of its long-standing know-how in designing and supplying special valves for severe operating conditions for metallurgical plants like blast furnaces, the Paul Wurth Oil & Gas division today develops, manufactures and distributes special valve solutions for refineries and petrochemical plants.

### Wedge-within-Wedge type Isolation Gate Valves

In the field of **Dehydrogenation**, Paul Wurth offers Wedge-within-Wedge type Isolation Gate Valves tailored to your needs.

The Wedge-within-Wedge type Gate Valve is designed for extreme tight isolation under severe

operation conditions of high temperature, unequal temperature distribution, high pressure and high line stresses. In addition its design allows a high frequency of operation and an easy, low-friction actuation in opening as well as in closing direction.



## Key features

- ▶ Double Disc Technology provides positive, tight shut-off by means of active sealing force when shut
- ▶ Double Block and Purge or Double Block and Bleed performance within one valve body
- ▶ High tightness, no jamming or blocking of the valve even under severe temperature differences by means of double wedge design
- ▶ No wear of sealing surfaces due to axial pressing in closed position
- ▶ Valve available in casted design as well as fabricated design, according to customer demands and licensors/customers specifications
- ▶ Electrical, hydraulic or pneumatic options available for valve actuation
- ▶ Paul Wurth provides system package comprising Valves, Hydraulic Power Station, Hydraulic manifolds and PLC control system out of one hand



## Typical Figures

- ▶ size from 10" up to 80"
- ▶ operating temperature up to 700°C
- ▶ operating pressure up to 10 bar(g)
- ▶ actuation: electric, pneumatic, hydraulic

**Other sizes, design features and/or operating features are available on request.**



# Engineering & Technology worldwide

The Paul Wurth Group is today one of the world leaders in the design and supply of complete plants, systems and processes as well as specialised mechanical equipment for

## ■ the iron & steel industry:

Blast Furnaces & Auxiliary Plants  
Coke Making Plants  
Agglomeration Plants  
Direct Reduction Plants  
Environmental Protection, Recycling & Energy-Saving Technologies

## ■ other industries:

Valve Solutions for Oil & Gas Downstream Processes  
Solutions for Decentralised Energy Production  
Intralogistics Solutions for Heavy Loads  
Engineering & Project Management for Civil Construction and Infrastructure Projects

**Feasibility Studies – Conceptual, Basic and Detail Engineering – Project Management – Plant and Components Supply – Turnkey Projects – Assistance in Plant Assembly and Commissioning – Technology and Operations Consultancy – On-site and Remote Operational Assistance – After-sales Services**

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