



## Highlights

### Description:

Sour Gas Reactor  
Switching Valve for use  
in all sour gas  
environments

### Key Points:

- Water jacket cooled
- ASME Section VIII construction
- Construction using a variety of materials
- Designed for 100% ANSI compliance

### Benefits:

- Lower maintenance costs due to high product quality
- Less downtime due to reliability of equipment
- Flawless product delivery due to superior quality control

## THE "IDEAL" VALVE

### Project Engineering

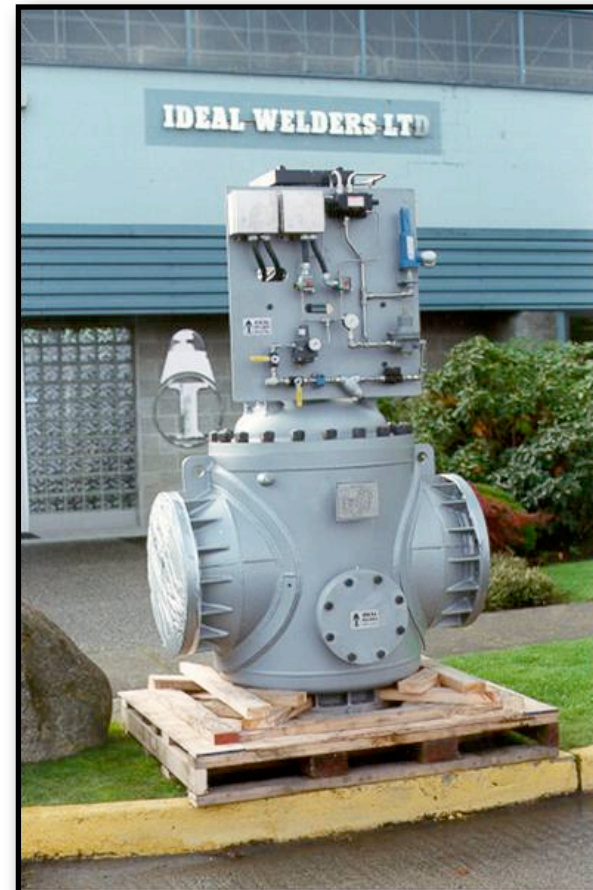
Each project is approached with the customers' specific requirements in mind. All designs are engineered in accordance with ASME Section VIII requirements and valves may be registered as pressure vessels if required.

Layout, cutting and plate preparation are all done by Ideal's highly skilled tradesmen under the supervision of the Quality Control department.

### Assembly

All welding at Ideal Welders is performed in strict accordance with AMSE codes and standards by highly qualified and experienced pressure welders. The quality of work performed is constantly monitored by ANT-TC Level II certified welding inspectors. Inspection requirements are to ASME Section VIII or to customer requirements, which are often more stringent.

Each valve is tested at Ideal Welders prior to shipping to confirm an ANSI B16.104 Class VI or better bubble tight shutoff, the cycle is within predesigned times, and the fail-safe is to the pre-designated position. All factory gaskets are also tested to ensure that there is no leakage.



The IDEAL Valve for tail gas clean up





## Customer List

- Westcoast Energy, McMahon Plant, BC, Canada, 1985
- Westcoast Energy, Fort Nelson Plant, BC, Canada, 1986
- Westcoast Energy, Fort Nelson Plant, BC, Canada, 1988
- Westcoast Energy, Pine River Plant, BC, Canada, 1992
- Delta Hudson Engineering, Santindo, Indonesia, 1996-7
- DPH Engineering, Harmattan Plant, Alberta, Canada, 1998
- Indian Oil Corp. Ltd., Panipat Refinery, India, 1998
- Siirtec Nigi, Visakh Refinery, India, 1998
- Black & Veatch Pritchard, Habshan, Abu Dhabi, UAE, 1999
- Indian Oil Corp. Ltd., Panipat Refinery, India, 1999
- Central Alberta Midstream, Kabob II Plant, Alberta, Canada, 2001
- Siirtec Nigi, Baharat Petroleum Co. Ltd. Mumbai, India, 2002
- Technip - KTI SpA, Takreer Plant, ADNOC, Abu Dhabi, UAE, 2003

## Valve Specifications

All Ideal valves are manufactured to our customers specifications. In general, our valves have the following design specifications:

- 12-inch to 80-inch diameter
- Angle or straight through pattern
- 2-way or 3-way action
- Various internal and external material options
- Water jacket cooled
- Built to ASME Section VIII standards
- 100% ANSI compliance
- Steam lubrication
- Flanged or butt-welded with or without pups

"When we needed switching valves for our refineries in India, our first choice was Ideal Welders."

**Siirtec Nigi, Italy**

"Ideal Welders has designed and constructed 2-Way and 3-Way Reactor Switching Valves for our sulphur recovery plants for the past 15 years. They are amazing problem-solvers and I highly recommend them." **Jacobs Canada Inc.**



No job is too small or too large

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