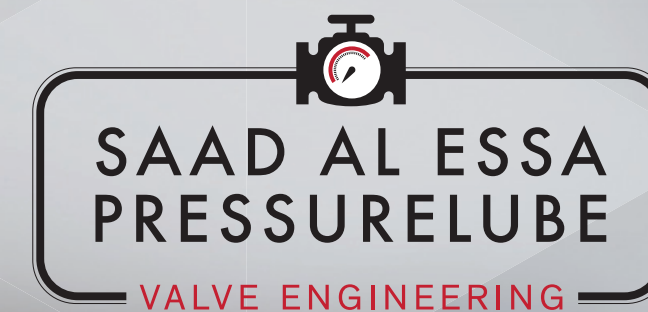


SAAD AL ESSA PRESSURELUBE VALVE ENGINEERING (SPVE)
PO Box 126, King Abdulaziz Road, Abqaiq 31992, Kingdom of Saudi Arabia
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Valve Repair Specialists

Saad Al Essa Pressurelube Valve Engineering (SPVE) is a newly formed partnership between Saudi Arabian company; Saad Al Essa Group, established in 1989 and Western Australian company Pressurelube International Pty Ltd (PLI) formed in 1992 who have been working towards establishing and expanding its expertise of *Total Valve Care*. Now, in 2018, the exciting formation of SPVE has empowered both companies to offer complete valve repair and accredited testing at the new facility.

Conveniently and purposely located in a gated area in Abqaiq, Saudi Arabia close to the main highway and good road access; SPVE is in an excellent position to offer comprehensive valve repair and testing of valves for all industries (petrochemicals, gas, water desalination and electrical) up to size 10 inches.

World-renowned test and repair equipment company Ventil is a standout feature at the new workshop, with its state of the art test bench, experienced staff and technicians competent in all aspects of receipt,

dismantling, assessment, investigation, quotation and implementation of high-quality valve repairs. All the necessary documentation and test certification to back up the return of a customers valve to its original integrity with guaranteed and rapid turnaround.

The preferred selection of valves to suit the containerised workshop are:

API-6D and API598 Ball/Gate/Globe valves

- » Size: 1" – 8"
- » Pressure Class: 150psi - 2,500psi

API-6A Ball (side and top entry), Slab Gate (Wing valve) and Choke Valves

- » Size: 2- 1/16" – 9"
- » Pressure Class: 2,000psi W.P. – 10,000psi W.P.

Pressure Safety Valves

- » Size: 1/4" – 8"
- » Pressure Class: 150 – 2,500psi





Ventil

Ventil Test Cell

- » CT-20
- » Containerised Testing Laboratory
- » T.P.: 15,000 psig
- » Test Pressures up to 15,000 psig hydrostatic and pneumatic
- » Hydraulic clamping
 - Horizontal and vertical
 - 150T clamping capability
- » Ventil designed and manufactured
- » 1 T Swing Arm Gantry Crane
- » Climate controlled
- » Safety Interlocking System
- » Pneumatic accumulators
- » Compressor
- » Quick filling and draining
- » Flow meter registration
- » Ventil state-of-the-art software
- » All test cell perimeters engineered to withstand loss of containment of up to 15,000 psig



Machine Shop

- » 40ft ISO container
- » Side 2m wide roller door
- » 2000mm Lathe c/w digital read-out
- » Drill / Mill c/w digital read-out
- » Ventil 600mm Rotary Lapping Table
- » Monochromatic Light and optical flat
- » 1T Bridge Crane
- » Stainless Steel Workbenches
- » Climate controlled area
- » Single and three phase power
- » Valve specific hand and pneumatic tooling

Surface Treatment

- » Grit Blast Cabinet
 - 1500 x 1500 x 800mm
- » 2 off Swing Arm Gantry Cranes
 - 180 degree pivot
- » Pneumatic Hoists
- » 10Ft Extraction Wall Exd rated

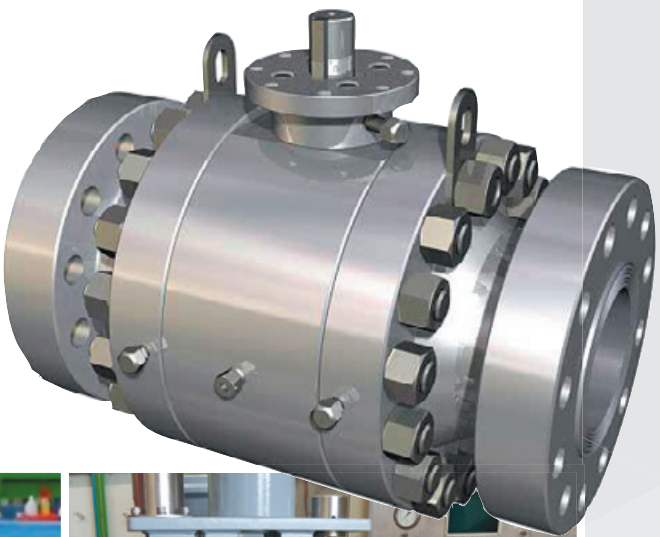
Office, Amenities and Clean Room

- » Office space for two desktop installations
- » Kitchen amenities
- » Fresh water tank
- » Hot water system
- » Self contained toilet
- » Clean room for precision measurement and lapping
- » All areas climate controlled

Valve Repair and Testing Capability

Suitable to repair, test and re-certify valves up to and including:

- » 250 Nominal Bore
- » ANSI 2500# or API-6A 10K
- » All manual valves
- » Actuators and gear operators under 500kg and 2000mm in length



Engineering

- » Engineered Drawings
- » Risk Based Inspections (RBI)
- » As built dimensional checking, 3D modelling of failures, reverse engineering
- » Criticality Assessment
- » Calculations
- » Failure Analysis
- » Valve and Actuator sizing and selection
- » Condition Monitoring
- » Root Cause Analysis (RCA)
- » CMM (Coordinate Measuring Machine)

