

Specification

Surface safety valves 2019

Contracting Authority: **NAFTA a.s.**

Subject of the Tender: **Surface safety valves on production trees**

Specification:

Type of the valve: **Surface Safety Valve (SSV)**
Number of pieces: **6**
Fail-safe mode: **FAIL – CLOSED**
SSV suitable for: **Ex II 3G (ZONE 2)**
Service: **General (not sour service)**
SSV will be used as: **upper master valve on production tree**
Temperature operating range: **-29°C to +121°C**

SSV will consist of (scope of supply):

1) Hydraulic Actuator

- w/ Rising Stem for Visual Position Indication
- w/ Limit Switch assembly designed to electronically monitor valve stroke position (valve open, valve closed) with outputs to the Control System (voltage system is: 24 VDC)
- w/ max. outside diameter of Actuator 350mm,
- w/ max. operating pressure 6000 PSI.
- Required maximal closing time of the valve at Maximum Stroke: less than 20 seconds

2) Bonnet 5000 PSI

3) Reverse Acting Gate Valve

- Size 4 1/16" x 5000 PSI in acc. w/ API 6A 20th ed., PSL-2, MC: BB, TC: P+U, PR-2,
- Colour of the Gate Valve: yellow or red (will be stipulated at the time of purchase order)
- Colour of the actuator: red
- Face-to-face valve length: 549mm

4) Documentation

Required documentation as a part of the scope of supply (for each valve):

- a. Declaration of Conformity (SSV in acc. w/ Directive 2014/34/EU and 2006/42/ES)
- b. SSV Pressure test report.
- c. Technical manual with description of the SSV in acc. w/ Directive 2014/34/EU and 2006/42/ES.
- d. Certificate of quality and completeness of the product.
- e. All drawings with dimensions
- f. Technical specification of the Hydraulic actuator, Bonnet and Valve
- g. **IMPORTANT NOTICE:** Supplier will deliver all drawings and technical specification of the scope of supply not later than 2 months after obtaining/ confirming purchase order, as buyer needs this information for designing related equipment (e.g. control station for controlling valves remotely, for designing expansion tank and check valves, etc..)