

## **Technical Specification – PART III**

RWE Gas Storage s.r.o. require to buy surface safety valves (assembled), the requirements for SSV see below.

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#### **1. General requirement:**

- All product must be assembled (gate valve, bonnet, actuator)
- Pressure tested,
- Mechanically tested,
- Painted according spec. below,
- Each assembly must be packed separately in wooden box with documentation (paper copy),
- GATE VALVE labeled with API monogram (API Certificate),
- Actuator labeled with API monogram (API Certificate),
- Gate valves must be protected for corrosion by relevant packing cover,
- Reserve to right to be present during technical inspection to see all documents related to ordered products,

#### **2. Estimated qty of delivery:**

	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>Total</b>
<b>SSV 3 1/8”_2000 psi</b>	25 pcs	28 pcs	14 pcs	<b>67 pcs</b>
<b>SSV 3 1/8”_3000 psi</b>	22 pcs	6 pcs	10 pcs	<b>38 pcs</b>

#### **3. Delivery place of documentation with supply of the goods:**

RWE Gas Storage, stock Hrusky, Tvrdonice, district Breclav, CZ

To the hands of Mr. Peter Židišin, [peter.zidisin@rwe.cz](mailto:peter.zidisin@rwe.cz), M + 420 737 200 922

#### **4. Material specification:**

##### **A, GATE VALVE + Actuator Assembly 2.000 psi**

- Gate valve 3 1/8", Reverse Acting
- working pressure 2.000 psi,
- standard API Spec. 6A, 19<sup>th</sup> edition
- Temperature class P+U,
- Material Class BB (or higher),
- Specification level PSL-1 (or higher),
- Performance level PR-1,
- Flange ends (close ends by plastic caps), R-31
- Fail safe close actuator hydraulically operated,
- Rising stem for position indicator,
- Complete with manual override,
- Including Positive Lock Open Cap

##### **B, GATE VALVE + Actuator Assembly 3.000 psi**

- Gate valve 3 1/8", Reverse Acting
- working pressure 3.000 psi,
- standard API Spec. 6A, 19<sup>th</sup> edition
- Temperature class P+U,
- Material Class BB (or higher),
- Specification level PSL-1 (or higher),
- Performance level PR-1,
- Flange ends (close ends by plastic caps), R-31
- Fail safe close actuator hydraulically operated,
- Rising stem for position indicator,
- Complete with manual override,
- Including Positive Lock Open Cap,

#### **5. Documentation for the delivery**

- Declaration of Conformity
- Material certificate,
- Technical specification,
- Traceability report,
- Pressure tests report (gate valve, actuator), according API Spec. 6A
- Drawings for
  - Gate valve,
  - Actuator,
  - Assembly,
- Stocking condition,
- Installation procedure,
- Operation and maintenance manual (gate valve, actuator)
- List of spare parts (break down to each single item)

**6. Painting specification:**

- sandblast to SA 2,5
- Primer Amercoat 68 (Zink-Epoxy),
- Intermediate coat Amercoat 385 (Polyamid-Epoxy)
- Top coat Amercoat 450S (polyurethane RAL 9007) TFT min 240 µm

ALL DOCUMENTS MUST BE DELIVERED AT THE SAME TIME WITH MATERIAL DELIVERY. THE DOCUMENTS MUST BE PLACED IN PLASTIC BOX SECURED BEFORE ANY DAMAGE DURING THE TRANSPORT. PLASTIC BOXES WILL BE PLACED INSIDE THE WOODEN BOX WITH SSV. TAKE OVER OF THE MATERIAL WILL NOT BE SUCCESFULL WITHOUT THESE DOCUMENTS. ALL PRODUCTS MUST BE READY FOR TECHNICAL INSPECTION IN CONDITION REQUESTED ABOVE PRIOR TO THE SHIPMENT.