

CONCERN SOUZENERGO

Manufacture of power,
industrial equipment,
valves and fittings

c o n c e r n



SOUZENERGO

Concern "SouzEnergo" is a diversified company that specialized in engineering, manufacturing and supply of valves and fittings, power, industrial, technological, energy-saving equipment and construction of a high degree of complexity objects. Our enterprises supply products for thermal and nuclear power engineering, metallurgy, oil and gas, chemical, mining, cement industries.

Engineering projects in the company is carried out by special department, which is active in design and development of a competitive high-tech equipment.



Electrostatic precipitator for cleaning aspiration emissions from foundries of blast furnaces.

We have combined technology and experience of our employees in order to carry out task of any complexity degree in such fields as:

- Foundry;
- Forming;
- Machining;
- Welding and weldup;
- Heat treatment;
- Product laboratory testing;
- Product assembly and testing.



The manufacture of our company is certified to ISO 9001:2015 and is fully compliant with national and international standards. Implemented internal quality control system assures compliance of products with the requirements of the regulatory guidelines in the valve industry.

We also have the Declarations of compliance of our products and equipment with EU Directive 2014/68/EU, which confirms the high quality, manufacturability and safety of our products, and officially approves the Concern as a supplier of pipeline fittings to EU countries.



We have a successful and fruitful experience in the supply of equipment to more than 30 countries, including Germany, Poland, Latvia, Estonia, Pakistan, India, Vietnam, Iran, Cuba, Kazakhstan, Moldova, Georgia. The range of the deliveries is constantly expanding.

Concern "SouzEnergo" produces valves and fittings of different purposes and sizes, including large diameters.

General-purpose pipeline valves and fittings:

- Steel and iron, cast and welded, with rising and non-rising stem gate valves DN15-3000 PN 1-250 bar;
- Check valves DN 32-2200 PN 2,5-250 bar;
- Shut-off valves DN 50-1500 PN(Pp) 0,006-40 bar;
- Butterfly valves DN 32-2400 PN(Pp) 0,1-25 bar;
- Sealed valves DN 200-1600 PN 0,05 bar;
- Gas valves DN 50-3200 PN(Pp) 0,01-16 bar;
- Stop and shut-off and control valves (steel and iron, sealing and diaphragm) DN 6-300 PN(Pp) 1-400 bar;
- Ball valves DN 6-1600 PN 0,1-100 bar;
- Safety valves DN 25-300 PN 6-160 bar;

Energy pipeline valves and fittings:

- Wedge gate valves DN100-450 Pp(PN) 40-380 bar, t 280-560°C;
- Stop valves DN6-80 Pp(PN) 100-380 bar, t 280-560°C;
- Pulse valves from DN20 and more, Pp(PN) 0,8-42 bar, t up to 450°C;
- Steel cast check valves DN20-400 Pp(PN) 100-380 bar, t up to 560°C;
- Safety valves DN125-400 Pp(PN) 40-250 bar, t up to 560°C;
- Control valves DN10-500 Pp(PN) 100-380 bar, t up to 560°C;
- Attemperator Desuperheater DN50-1000 Pp(PN) up to 250 bar, t up to 560°C;
- Water-level indicators DN10-20 Pp(PN) 25-155 bar, t up to 450°C.



Armature for nuclear-power engineering made of perlitic and austenitic steel, 2BIII_b, 2BIII_b, 2BIII_c, 3CIII_b, 3CIII_c classes according to OTT-87, in accordance with requirements of ПН АЭ Г-7-008-89 and manufactured in accordance with regulatory documents:

- Wedge gate valves DN 50-800 Pp 1,6; 2,5; 4,0 MPa;
- Butterfly stop valve for vent nuclear power station systems DN 200-1600 Pp 0,006 MPa;
- Check valves DN 200-800 Pp 2,5; 4,0; 10,0; 11,0 MPa;
- Elements for nuclear power station pipelines: blocks, end caps, blind flanges, knees etc.



We also produce segment (leaf) gate valves for steel industry and fittings for oil and gas industry.

Concern "SouzEnergo" produces heat-and-power equipment, boilers, industrial and technological equipment for metallurgy, nuclear and thermal power plants, chemical, oil and gas industries.

Parts and elements of pipelines made of pearlitic and austenitic steel grades, meeting the requirements of ПН АЭ Г-7-008-89, which are manufactured in accordance with the regulatory guidelines.

Boilers, spare parts and components for boilers:

- Industrial water boilers of up to 20 MW thermal capacity, complete sets;
- Water heaters of KVGM (PTVM) series within the volume of the main mounting blocks;
- Steam boilers of: DKVA- 10-23 (39) type; TP-35, TP-20, B-35-40, K-35-40 types; BKZ-75-39, E-5-40 types;
- Heat-recovery boilers of KU-125, SC-80, US-2, KUP- 240, D-420 types;
- Boiler drums and pressure vessels (working pressure 4.0 MPa);
- Boiler heating surfaces (screens, water economizers, superheaters, air heaters, collectors, steam coolers) with a productivity of 630 t/h, or up to 2500 t/h for the direct-flow design;
- Steam heaters for heating networks, heat exchangers of various types;
- LDPE, HDPE and MDPE spirals of all types;
- Spare parts for draughting equipment and centrifugal pumps;
- Processing equipment, gas cleaning and tank equipment;
- Heating surface pins;
- Scaffolds for installation works.

Also: dynamic power engineering equipment, inner bolts, products made of finned tube, tanks, reservoirs, containers, etc.

Each product is accompanied by a quality certificate of the manufacturer.



Foundry products:

- Lining plates for tumbling mills (SH10, SH12, SH16, SH32, SH50, SH50A);
- Lining plates for cement mills;
- Burner nozzles of high-temperature alloys;
- Carbon steel casts;
- Stainless steel casts;
- Casts of gray cast iron with nodular graphite;
- Casts of copper alloys.



We manufacture pipe fittings and industrial machinery according to drawings and requirements of the customer, and we do develop design and technological documentation if demanded as well.



A quality management system has been implemented and certified within the Concern "SouzEnergo".

The system is now successfully operating for customer satisfaction and delivery of quality products.

To carry out measurements and quality control there are certified laboratories functioning at all the production facilities of Concern «SouzEnergo».

We perform measurements during the following control and test types:

- Incoming inspection of materials, components and equipment;
- Visual and measurement control;
- Capillary testing;
- Radiographic testing;
- Ultrasonic testing;
- Magnetic particle inspection;
- Mechanical tests;
- Metallographic examinations;
- Intergranular corrosion resistance tests;
- Steeloscopic tests;
- Tightness test;
- Spectral analysis;
- Chemical analysis;
- Determination of material hardness.



The list of our major services provided by Concern "SouzEnergo":

- Installation, repair and improvement of steel structures and tubular boiler parts, heat-recovery boilers, self-contained stem superheaters and economizers, centrifugal pumps;
- Installation, repair and reconstruction of steam and hot water boilers, pressure vessels, heat exchangers;
- Precommissioning of steam and hot water boilers, waste heat boilers, steam and hot water pipelines, and steam and gas turbines running on different fuels;
- Production and kitting of valves and fittings, elements of reducing and cooling units, according to the customer requirements;
- Complete supplies of valves and fitting parts and components (spare parts, including sealants) and accessories;



- Development of engineering, design and technical documentation for revision, repair, testing, commissioning and operation of the valves;
- Technical expertise of fittings to determine the actual state and the rest service life of the key parts and components;
- Inspection, testing, repair and maintenance of valve actuators;
- Fabrication of original fitting units and parts;
- Valve testing;
- Improvement of the standard valves and components in accordance with new standards and quality requirements.





8 Spasskaya St.,
Novomoskovsk, 51200 Ukraine
concern@souzenergo.com
Tel./Fax: +38 056 795 15 20
+38 056 795 15 22

WWW.SOUZENERGO.COM