



ARAKO
ROSATOM

Czech manufacture
of industrial valves



COMPANY PROFILE

2021

ABOUT US

ARAKO employs approximately 200 people. We build on the more than 60-year tradition of development and production of industrial valves in Opava, connected with the SIGMA concern and the Minerva company. Our product portfolio offers valves for nuclear and thermal power plants, chemical and petrochemical plants. We own design and development department and we offer to customers customer service of valves. Nowadays we export to 25 countries and we are specialists in the production of nuclear valves.

QUALITY AND CERTIFICATIONS

We emphasize on quality and modern working environment. We pay attention to increasing customer satisfaction, improving the efficiency of internal processes and producing the highest quality valves. We own a complex of internationally recognized certificates focused on quality management, production processes and the product itself.

SYSTEM CERTIFICATES

- ISO 9001:2015 – Quality Management System
- ISO 14001:2015 – Environmental Management System
- ISO 45001:2018 – Occupational Health and Safety Management System
- Directive 2014/68/EU (module H) – Assessment of the Quality System
- EN ISO 3834-2 – Quality Requirements for Fusion Welding of Metallic Materials

PRODUCT CERTIFICATES

- Certificate on EC Revision of the Type (module B)
- Certificates AD 2000-Merkblatt HP 0 / HP 100 R, TRD 201, AD 2000-Merkblatt A4, EN ISO 3834-2
- Certificate TRD 110
- Certificate VDI 2440:2000 (TA LUFT)
- Certificate EN ISO 10497:2011 and API Standard 607 (Fire safe)
- Certificates OIT for use of industrial valves in nuclear power plants in Russia
- EAC Declaration of Conformity
- EAC Certificate of Conformity
- Certificates of Conformity of the type for Ukraine

SUPPLIER CERTIFICATES

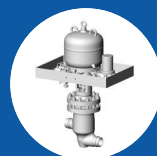
ČEZ, a. s., Czech Republic; ŠKODA JS, a. s., Czech Republic; SIGMA DIZ spol. s r. o., Czech Republic; KSB AG, Germany; Siemens AG, Germany; GP NAEK Energoatom, Ukraine; PAKS NPP, Hungary; Slovenské elektrárne, a. s., Slovakia, ZAO Atomstroyexport, Russian Federation, Rosenergoatom; Russian Federation

HISTORY OF ARAKO

- **1945** Minerva Opava, sewing machine factory - predecessor of ARAKO
- **1953** Beginning production of industrial valves
- **1976** Development and production of the first valves for the nuclear industry
- **1980** The company is incorporated into the VHJ SIGMA concern
- **1992** **Foundation of ARAKO spol. s r.o.**
- **1997** Construction of a new production and storage hall
- **1998** Adoption of a new production program in Germany, including a prototype of the product - Gate Valve S38
- **2003** Completion of development and commencement of production Pneumatic Control Valve Y70
- **2005 - 2008** Delivery of valves for 1-2 units in Kudankulam NPP (India)

- **2020** ARAKO is undergoing rebranding and changing its exiting Logotype
- **2016 - 2018** Confirmation of contracts for the supply of valves for projects Hanhikivi NPP, Akkuyu NPP, Paks NPP, El Dabaa NPP
- **2010 - 2016** Delivery of valves for 3-4 units in Mochovce NPP (Slovak Republic)
- **2010 - 2013** Extensive modernization of production facilities
- **2010** Completion of development and commencement of production Forged Gate Valve S43
- **2008** Completion of development and commencement of production Blow-Out and Pickling Device - special for SIEMENS
- **2007** **ARAKO becomes part of the group Atomenergomash, engineering division of ROSATOM**
- **2006** Completion of development and commencement of production High-Pressure Shut-Off Globe Valve V46.2

ARAKO PRODUCTION



VALVES FOR NUCLEAR ENERGETICS

We have been specializing in the production of nuclear valves for 43 years and we are able to offer following:

- Gate Valves
- Globe Valves with Bellows
- Quick-Acting Globe Valves with Bellows
- Check Valves
- Pneumatic Control Valves
- Globe Valves KIP with Bellows
- Globe Valves KIP with Packing



Gate Valves | PN 10-630 DN 40-500, 800

Gate valves are used where a minimum flow restriction of working medium is required. We offer a cast and forged Gate Valves with a rising or non-rising stem, with a flexible or split wedge, in a welded or flanged design, with a control: hand wheel, gearbox, electric drive, remote control and more.



Globe Valves | PN 10-630 DN 6-200

These valves are mainly used in power engineering, chemical industry and other industries where the functionality is required at high pressures and temperatures. The shut-off valve ensures 100% tightness of the closure. The control design with a profile closing element, usually of a parabolic shape, serves to throttle the working medium on the basis of specific flow parameters of the working substance. Valve bodies are made of cast and forged materials. Because of a longer service life, the hard facing of disc and body is provided with the hard metal of the type Stellite 6th.



Check Valves, Swing Check Valves | PN 10-630 DN 10-400

These valves protect the pipe section or equipment against harmful kickbacks of the working fluid. They open spontaneously by the pressure of the flowing substance and close by the effect of its back pressure or only by stopping the flow of the working medium. We produce our Check Valves and Butterfly Valves in a welded or flanged design, in a horizontal or vertical piping, both from a cast and forged materials.



Strainers | PN 10-320 DN 10-200

They are used to trap mechanical impurities contained in the working medium. Any impurities will remain in the filter element made of special technical fabric. For high pressures, a stainless steel double-layer screen, designed in a carrier cage.



Ball Valves | PN 10-63 DN 10-150

Industrial valves are bi-directional, designed to fully open or close the flow of the working medium. Three-piece construction connected with bolt screws, allows easy repair without the need to remove flanges. Tightness is ensured by a floating ball, housed in PTFE seats.



Others

In our portfolio we also include **Blow-Down and Continuous Blow-Down Valves**, and **Special Valves**, which is Energy reducer M25. They consist of a multi-stage body, with a stable system of orifice plates and vortex chambers, in which very high pressure drops are reduced, according to exact customer requirements.

OUR SERVICES

Service and production valves

Industrial valve development

Product cooperation

METALWORKING:

- lathe-turning
- milling
- grinding

WELDING
HEAT TREATMENT
METAL BLASTING
PAINTING
PRESSURE
(including nuclear production)

ARAKO FACTS

ARAKO spol. s r.o.

Legal form: Limited liability company

Identification number: 47152371

Founded in: 1992

Since 2007 the company belongs to the Russian holding Atomenergomash, engineering division of the State Corporation for Atomic Energy Rosatom.

STATUTORY AUTHORITY OF ARAKO

Managing director: ROVSHAN ABBASOV

EXECUTIVE MANAGEMENT:

Julia Dolgusheva	Executive Director
Jaromír Petřkovský	Production Director
Petr Hlaváč	Commercial Director
Pavčina Koligová	Personnel Director
Kamil Rychnovský	Quality Director
Lenka Kavanová	Finance Director
Jegor Kirjanov	Project Director
Martin Klimša	Chief Designer
Josef Švamberg	Management representative for IMS

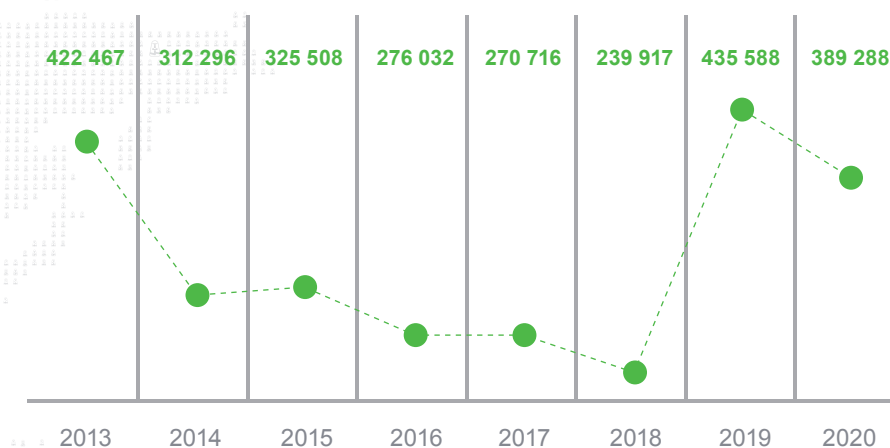
PARTNERS

AKCIONĚRNOJE OBŠČESTVO
ATOMNOJE I ENERGETIČESKOJE
MAŠINOSTROJENIE
Share: 497/650
Bolšaja Ordynka 24, Moscow,
Russian Federation

Liges s.r.o.
Share: 153/650
Identification number: 27933270
Hviezdoslavova 2897/18,
746 01 Opava, Czech Republic

ARAKO NUMBERS

● Total revenue (in thousands of CZK)



REFERENCES

NUCLEAR POWER PLANTS

CZECH REPUBLIC

TEMLÍN NPP
2 x 1000 MW, VVER 1000
DUKOVANY NPP
4 x 510 MW, VVER 440
ČEZ ENERGOSERVICE S.R.O.
I & C ENERGO A.S.
MOCHOVCE NPP

SLOVAK REPUBLIC

2 x 470 MW + 2 x 440 MW, VVER 440
JASLOVSKÉ BOHUNICE NPP
2 x 560 MW, VVER 440
ROSTOV NPP
4 x 1000 MW, VVER 1000

RUSSIAN FEDERATION

KOLA NPP
4 x 440 MW, VVER 440
BALAKOVO NPP
4 x 1000 MW, VVER 1000
BILIBINO NPP
4 x 12 MW, EGP-6
NOVOVORONEZH NPP
1 x 417 MW, 1 x 1000 MW, 2x 1200 MW,
VVER 440, VVER 1000, VVER 1200
KALININ NPP
4 x 1000 MW, VVER 1000
LENINGRAD NPP
3 x 1000 MW, 1x 1200 MW, RBMK 1000,
VVER 1200
SMOLENSK NPP
3 x 1000 MW, RBMK 1000
KURSK NPP
4 x 1000 MW, RBMK 1000
BELOYARSK NPP
1 x 600 MW, 1 x 800 MW, BN - 600, BN - 800
ROVNO (RIVNE) NPP
1 x 420 MW + 1 x 415 MW + 2 x 1000 MW,
VVER 440, VVER 1000

UKRAINE

ZAPOROZHYE NPP
6 x 1000 MW, VVER 1000
KHMELNYTSKYI NPP
2 x 1000 MW, VVER 1000
SOUTH UKRAINE NPP
3 x 1000 MW, VVER 1000
KOZLODUY NPP
4 x 440 MW + 2 x 1000 MW, VVER 440,
VVER 1000

BULGARIA

BELENE NPP

BELARUS

2 x 1000 MW, VVER 1000

INDIA

BELARUSIAN NPP
2 x 1200 MW, VVER 1200
KUDANKULAM NPP
4 x 1000 MW, VVER 1000, VVER 1200
KAIGA NPP
2 + 2 x 220 MW, PHWR
RAJASTHAN NPP
4 x 220 MW, 1 x 200 MW, PHWR
IGNALINA NPP
2 x 1300 MW, RBMK 1500
PAKS NPP
2 x 500 MW, 2 x 470 MW, VVER 400
TIANWAN NPP
2 x 990 MW, 1 x 1050 MW, VVER 1000
ROOPPUR NPP
2 x 1200 MW, VVER 1200
AKKUYU NPP
4 x 1200 MW, VVER 1200

LITHUANIA

HUNGARY

CHINA

BANGLADESH

TURKEY

THERMAL POWER PLANTS, CHEMICAL, PETROCHEMICAL, GAS INDUSTRY

CZECH REPUBLIC

PRUNĚŘOV II / Power station
TUŠIMICE II / Power station
LEDVICE / Power station
STRAKONICE / Heating plant
TRMICE / Heating plant
ZEVO CHOTÍKOV / Waste incineration plant
DALKIA, ČEZ, ŠKODA JS, ČEPRO,
UNIPETROL, PLYNOSTAV, MND
SES TILMAČE, SLOVENSKÉ
ELEKTRÁRNE, U. S. STEEL KOŠICE,
SLOVNAFT

SLOVAK REPUBLIC

ELEKTROWNIE WARSZAWSKIE, ORLEN,
PERN S. A., IDS-BUD S. A., PSJ
HYDROTRANZIT
SIEMENS, SHELL, LINDE,
STEINMUELLER BABCOCK,
SCHROEDER VALVES,
LYONDELLBASELL, VINNOLIT,
SIEKMANN ECONOSTO
KLINGER B.V.

POLAND

GERMANY

NETHERLANDS

AUSTRIA

FRANCE

RUSSIAN FEDERATION

OMV, BDI – BIOENERGY
INTERNATIONAL AG
AREVA
KONAKOVSKAYA GRES / Thermal power plant
SREDNEURALSKAYA GRES
Thermal power plant
SCHATURSKAYA GRES / Thermal power plant
REFTINSKAYA GRES / Thermal power plant
YUZNOURALSKAYA GRES / Thermal power plant
NIZNEVARTOVSKAYA GRES
Thermal power plant

BELARUS

KAZAKHSTAN

SWEDEN

UNITED KINGDOM

TURKEY

LUKOIL, GAZPROM, WASTE INCINERATION
PLANTS IN THE MOSCOW REGION
MINERAL WAX PLANT JSC,
AZOT GRODNO / Chemical power plant
PAVLODARSKAYA / Thermal power plant
VIMMERBY / Biomass power plant
ABB
BIRMINGHAM / Biomass power plant
SOMA, AFSIN ELBISTAN, YATAGAN,
YENIKÖY, KEMERKÖY, TUNCBILEK,
Thermal power plants

BANGLADESH

ROMANIA

SIKALBAHA / Gas power plant
CE OLTENIA

CHINA

ROVINARI / Thermal power plant
TURCENI / Thermal power plant
CRAIOVA I + II / Thermal power plant
ISALNITA / Thermal power plant
SHANXI DATONG NO 2 / Thermal power plant
GUODIAN YUYUAN / Thermal power plant
DATANG LINZHOU / Thermal power plant
JIAOZUO WANFANG / Thermal power plant
MARITSA 1 / Thermal power plant
AB LIFOSA / Chemical power plant
SHUWAIK POWER / Distillation station
AZ ZOUR SOUTH / Thermal power plant
DOHA WEST / Thermal power plant
OY KONWELL
SIEMENS

FINLAND

USA