

Valve-Service



Company

The manufacture of new valves and servicing existing valves are both part of ARTES Valve & Service GmbH. The close cooperation between the two business units offers our customers the advantage of a broad scope of competence and resources.

The development of an optimal solution for repair and maintenance of valves of any valve shape is the task of the service division. ARTES provides the entire spectrum

of services from process-engineering design and dimensioning of parts in a CAD system to reworking valves in the ARTES workshop or directly in the piping. From fast emergency repairs to comprehensive valve review as part of scheduled system downtimes, we provide services perfectly suited to your needs.

Service is a matter of trust. You can entrust your valves to us.



Consultation and service

We are your partner when valves need to be serviced and repaired. Quick reaction times, reliability, competence and high flexibility are required for on-site valve service. These requirements are fulfilled by ARTES Valve & Service GmbH with its qualified personnel. Shop containers and service vehicles are available that are fitted with extensive

equipment for working on the valves in the system.

The provisioning of spare parts is an important component of our services.

Our on-site service is ready for you around the clock. We can advise you during planning of your conditionbased maintenance as well as future inspection reviews.



ARTES service team at Vattenfall TPP Lichterfelde, Berlin

Overview of our services

24-hour on-site service (all makes)

- ▶ Removal/re-installation/replacement of valves
- ▶ Renovation of valves of all types
- ▶ Welding on the valves
- ▶ Manufacture of spare parts
- ▶ Sealing service (manufacturing of sealings)
- ▶ Material inspection and quality assurance (nondestructive testing, measuring)
- ▶ Procurement of spare parts and new valves of all makes
- ▶ Setup, repair and commissioning of safety valves

Workshop services (all makes)

- ▶ Disassembly and cleaning of the valve
- ▶ Inspection for wear and damage
- ▶ Replacement of defective parts
- ▶ Reworking sealing surfaces
- ▶ Welding repair of the valve
- ▶ Manufacturing of spare parts
- ▶ Replacement of the seals
- ▶ Packing the gland packing
- ▶ Assembly of the valve
- ▶ Conducting pressure and leak tests
- ▶ Corrosion protection of the valve



Engineering Services

- ▶ Material selection
- ▶ Strength calculation
- ▶ Process-engineering design and dimensioning
- ▶ Optimisation of control valves, e.g. in case of significant wear
- ▶ Drawing generation in 3D CAD
- ▶ Creation of welding specifications
- ▶ reparation of documentation

Actuator repair (all makes)

- ▶ maintenance and repair acc. to OEM instructions
- ▶ adjustment of the actuator (limit switches, parameter setting)



Revision management

- ▶ Scheduling
- ▶ Planning and organisation of spare part procurement
- ▶ Personnel planning and organisation
- ▶ Condition-based revision planning



Technology for mobile application

For work on site, we use service vehicles and workshop containers with the latest technology. Each of our workshop containers is equipped with workbenches, lathe and grinding table.

Mobile grinding and turning technology makes the following work possible:

- ▶ Gate seat grinding
- ▶ Valve seat grinding
- ▶ Flange grinding
- ▶ Body and valve seat turning
- ▶ Making blind holes
- ▶ Lathing stems



The serviced valves can be tested on site on mobile valve test units for pressure resistance and leakage.

Examples of portable machines for valve machining (manufacturer EFCO) used by ARTES

1. TD portable turning machine.
2. VSA high-speed grinding machine for flat and conical seats
3. VSK valve grinding and lapping machines for conical seats
4. SL gate valve grinding machine



Manufacturing of Control Valves



Control ball valve type W



Control ball valve type G

In Berlin and Quakenbrück ARTES manufactures control valves for power plants and facilities of natural gas and oil supply



Steam converting station



Desuperheater



Motive steam cooler



Certificates/Approvals

- ▶ DIN / ISO 9001:2008
- ▶ HPO-approval
- ▶ specialised company acc. to WHG
- ▶ SCC-approval of all service technicians

ARCA Flow Group



ARTES VALVE & SERVICE GmbH

www.artes-valve.de

- ▶ Control ball valves
- ▶ Desuperheaters
- ▶ Motive steam coolers
- ▶ Steam conversion stations
- ▶ Differential pressure transmitters
- ▶ Three-way valves

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ARCA-Regler GmbH

www.arca-valve.com

- ▶ Valves
- ▶ Control valves
- ▶ Intelligent positioners
- ▶ Steam conversion valves
- ▶ Hygiene valves
- ▶ Pressure regulation units
- ▶ ECOTROL regulation valves



WEKA AG

www.weka-ag.ch

- ▶ Solenoid level indicators
- ▶ Tank content measuring systems
- ▶ Cryogenic components
- ▶ Inox valves



von Rohr Armaturen AG

www.von-rohr.ch

- ▶ Diaphragm valves
- ▶ Floor outlet valves
- ▶ Food-industry valves
- ▶ Sterile control valves
- ▶ Single-seat control valves
- ▶ Pneumatic lift actuators
- ▶ Corrosion-resistant control valves
- ▶ Electrical regulator actuators



Feluwa Pumpen GmbH

www.feluwa.com

- ▶ Hose diaphragm piston pumps
- ▶ MULTISAFE hose diaphragm piston pumps, for instance with metal diaphragm
- ▶ Sludge drainage facilities for mines
- ▶ Pump stations for pressure drainage
- ▶ Wastewater lifting facilities with cutter
- ▶ Separated sewage transfer facilities
- ▶ Homogenizing ducted-impeller pumps with cutter