

# ARI-ARMATUREN UK LTD

## Service and Maintenance Contracts



Your valve made by ARI®  
[ari-armaturen.com](http://ari-armaturen.com)

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ARI-Armaturen is a German valve manufacturer with over 70 years of experience in the steam and heat transfer fluids industry. All ARI valves and steam traps are designed, manufactured and tested in accordance with ISO:9001 in our state-of-the-art production facilities in Germany.

### Benefit From Professional Service Contracts

At ARI-Armaturen we are ready and available when external specialists are needed to undertake valve servicing and maintenance requirements.

### Take Advantage of our Service and Maintenance Contracts inclusive of:

- Control Valve Servicing
- Plate Heat Exchanger Systems
- Pressure Reducing Systems
- Condensate Recovery Units
- Steam and Condensate System Trouble Shooting

Your Service Contract will be carried out by our expert service department who will listen to your needs, ensuring a tailor-made solution according to your individual requirements. This also includes multi product service and maintenance on ARI and other manufacturer's equipment.

### Take Advantage of our Flexibility

Outsource your maintenance work to us over a timescale of your choice. Our range of service contracts are cost-effective and avoid costly breakdowns and unforeseen downtime. Another benefit is that production and your equipment continues to operate at optimum efficiency, prolonging its life while providing you with crucial cost savings as well as peace of mind regarding health and safety requirements.

### Why Choose ARI-Armaturen for Your Valve and Servicing Requirements?

- We are your partner for excellent Customer Service. Our team of technical experts provide onsite support for your maintenance and service requirements
- We are ready and available to assist you with Technical Support
- Customers on our service contracts also benefit from preferential rates for any unplanned call outs and these are booked as a priority

**Why not call or email us today to see how we can help you**



# ENCOsys® – Service Contract



ARI-Armaturen UK Ltd maintains ENCOsys® steam to water plate heat exchanger packages by offering this professional servicing program.

## Why Should You Book an ENCOsys® Service Contract at ARI?

- Scheduling of proactive visits to undertake routine, preventative maintenance and inspection
- Service Contract Customers receive preferential daily rates for service visits and are also given priority Service Engineer Bookings
- Any consumables will be replaced but only if they are required. Please note that this will incur an additional cost
- Offering of onsite technical support
- After each scheduled visit, customers will receive a service visit report including a list of any replacement parts used and also the current state of the ENCOsys® unit

## Your Benefits of an ENCOsys® Service Contract

- Confidence that the ENCOsys® system is at optimal operating performance and to its original design conditions, ensuring that process efficiency is maximised
- A proactive maintenance program protects valuable equipment and offers peace of mind as it prevents untimely breakdowns ensuring that the plant continues to operate efficiently
- Regular servicing of the ENCOsys® systems to the manufacturer's recommendations which therefore reduces breakdown risk and saves money
- Specialist service engineers with a first rate understanding of ENCOsys® systems and a quick response time will undertake all service visits
- The ARI commitment to deliver genuine ARI spares to you in a timely manner
- Maintenance costs are predictable, which helps your budget planning and forecasting

## Specification of an ENCOsys® Service Contract

ARI provides detailed Service Reports which show the level of work which has been carried out and the specific plant items they relate to.

We assess and verify the heat exchanger's performance with the customer before any work is started. This typically includes the following:

	Scope of Work	
	Minor Service Visit	Major Service Visit
<b>Annual contracts usually include two visits per ENCOsys® unit per year</b>		
Control valve is dismantled, internals are cleaned and visually inspected		X
Controller, valve and actuator are visually inspected, stroke is checked and adjusted if necessary	X	X
All wiring and terminations are visually inspected and checked for tightness	X	X
The controller's configuration is checked	X	X
Annual replacement of valve stem seals and gaskets		X
<b>High limit controls</b>		
Controller, valve and actuator are visually inspected	X	X
All wiring and terminations are visually inspected	X	X
All electrical connections are checked for tightness	X	X
High limit controller's configuration is checked, if applicable	X	X
Control valve is dismantled, diaphragms are replaced if applicable, new body gasket is refitted		X
Test the functioning of high limit systems for correct operation if applicable	X	X
<b>Plate heat exchanger</b>		
Plate pack is visually inspected for external leakage	X	X
<b>Condensate removal</b>		
Test the functioning of drainage trap with Ultrasonic Leak Detector to confirm correct operation. Use spares to strip and replace anything as required	X	X
<b>Ancillaries</b>		
All strainer screens are checked and cleaned, use new cap gaskets for re-fit*	X	X
<b>Performance check</b>		
Test the functioning of operating system and ensure operation of control is satisfactory	X	X
All components of the system are visually inspected to ensure package unit is correctly operating	X	X

\*Consumables include diaphragms on high limit control, control valve plug & stem assembly packing, high limit body gaskets & strainer gaskets. Please note that plate heat exchanger gaskets are NOT considered consumables

# Control Loop Service Agreements



**Control valve loops are necessary to achieve accurate and repeatable control pressures and temperatures.**

Often these systems are not adequately maintained or calibrated. This results in poor temperature and pressure control which can cause product failure and unnecessary waste. Due to control valves often being used in testing, hardworking applications and

them carrying out a lot of cycles of operations, this can cause critical components to wear out and tear. The effect of this is reduced efficiency, plant stoppages and unnecessary steam consumption which are all unwanted as they are both expensive and avoidable.

## Why Should you Book a Control Loop Service Agreement at ARI?

- Control Loop Service Agreements maintain the system's integrity giving our customers peace of mind that the plant is running safely and crucially at optimal performance
- It is a proactive and preventative maintenance solution, which ensures that all control valves and applications are operating continuously and efficiently
- Control Loop Service Agreements plan for frequent maintenance and overhaul in order to maintain and service the control loop
- Our in-house specialist team of service engineers undertake this valuable work. We take the time to understand our customers' requirements before a contract starts as we crucially assess and discuss the current performance of the control loop, ensuring that all customer requirements are met

## Your Benefits of a Control Loop Service Agreement

- Maintenance issues are avoided as we plan your servicing and ensure that your system's integrity is maintained
- We extend your valuable team by providing our dedicated and experienced controls engineers to do their specialist work
- Emergencies are avoided as our Control Loop Service Agreements involve arranging routine inspections
- Keeping your process temperatures and pressures at optimal performance reduces the risk of product failure
- By having a service agreement, you can budget better as it eliminates unexpected additional costs
- We hold components in stock ready for site visits and overhaul
- You benefit from technical support and are given priority bookings and reduced rates for service visits
- You receive a detailed report following each site visit

## Specification of a Control Loop Service Agreement

	Works undertaken	
	6 Month Visit	Major Visit
Controller, valve and actuator are given a manual & visual inspection		X
All wiring and terminations are visually and physically inspected	X	X
All electrical connectors are checked for integrity	X	X
Compressed air connections are checked	X	X
Existing P.I.D. settings in the controller are checked to ensure accurate performance	X	X
Control valves are stripped down & valve internals are cleaned & visually inspected		X
Valve gland packing & body cover gasket are replaced annually as standard	X	X
All strainer screens are checked & cleaned & refitted using new cap gaskets		X
Control loop (valve/actuator/positioner) is set up & commission and stroke test done	X	X
Test the functions to ensure they are operating correctly & the temperature/pressure control is satisfactory	X	X
After each visit a detailed service report will be provided which includes any detailed findings, actions, recommendations or requirements	X	X

N.B. Please note that if the inspection suggests that full lapping and machinery is necessary then this can be carried out. This may require an additional proposal

# ARI product diversity



**Control valves**  
STEVI® Pro  
(BR 422/462, 470/471)



STEVI® Vario  
(BR 448/449)



STEVI® Smart (BR 423/463,  
425/426, 440/441, 450/451)



**Control without auxiliary power**  
PREDU® / PREDEX® / PRESO® /  
TEMPROL®

## Control



**Process Valves**  
ZETRIX®  
High Performance Valves  
ZEDOX®



**Butterfly valves**  
ZESA®/GESA®/ZIVA®



**Bellows sealed valves**  
FABA® Plus, FABA® Supra I/C



**Stop valves with gland seal**  
STOBU®

## Isolation



**Safety valves**  
(DIN/EN)  
SAFE



**Safety valves**  
(DIN/EN)  
SAFE TCP



**Safety valves**  
(API 526, ASME)  
REYCO® R



**Safety valves (ASME)**  
REYCO® RL

## Safety



**Steam traps CONA®**  
(mechanical ball float /  
thermostatic bimetallic and  
membrane / thermodynamic),  
monitoring systems  
CONA® Control



**Manifolds**  
CODI® for collecting  
and diverting purpose



**Steam traps with multi-  
valving technology**  
CONA® "All-in-One"  
(incl. stop valve, inside strainer,  
back-flow protection,  
drain valve)

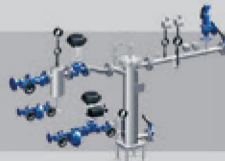


**Mechanical pump systems**  
CONLIFT®, CONA® P

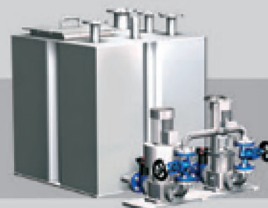
## Steam trapping



**Pressure reducing stations**  
PREsys®



**Heat exchange systems**  
ENCOsys®



**Condensate return systems**  
CORsys®



**Feedwater tanks**

## Application technology

ARI Armaturen (UK) Ltd  
Energy House · Formal Industrial Park  
Northway Lane · Tewkesbury GL20 8GY  
Tel. +44 1684 275752 · Fax: +44 1684 275627  
E-Mail: [service@ari-armaturen.co.uk](mailto:service@ari-armaturen.co.uk) · [www.ari-armaturen.com](http://www.ari-armaturen.com)



Your valve made by ARI®  
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