

Find out more:



# ADCA

## RANGE OVERVIEW

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### DISTRIBUTOR:



PRODUCTS MANUFACTURED  
IN PORTUGAL

LRQA  
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VALSTEAM  
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ADCA





## **VALSTEAM ADCA** EXPERTS IN FLUID CONTROL SYSTEMS

Valsteam ADCA is a manufacturer of groundbreaking products for steam and other industrial fluid systems.

At Valsteam ADCA we assure the complete production cycle, in-house: design, machining, welding, testing, quality and packaging. A complex system that depends on our passion, dedication, experience and technology.

We are Innovators by nature, always researching and developing efficient solutions so you can get the most out of your fluid system.

## **COMPLETE RANGE** FOR INDUSTRIAL FLUID SYSTEMS

We stand as a one-stop-shop with one of the largest ranges of steam equipment in the world, dedicated to virtually every industry.






# STEAM TRAPS

An efficient steam trap defines the frontier between steam and condensed liquid, and allows the proper functioning of the installation with better energy management.

**PMO**   
Up to 275 bar

**TMO**   
Up to 580 °C

**SIZES**   
1/2" to 6" - DN 15 to DN 150

**DISCHARGE CAPACITIES**   
Over 100,000 kg/h

## UNIVERSAL



UniADCA

## INVERTED BUCKET



## SANITARY



ADCA Pure

## BIMETALLIC

**FOR THE HIGHEST PRESSURES!**

For the most demanding high pressure applications, there is a solution amongst our range.



## THERMOSTATIC



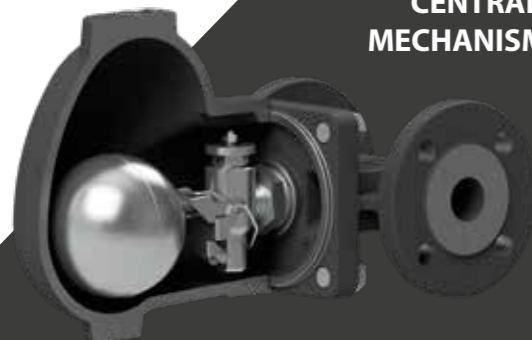
## THERMODYNAMIC



## FLOAT & THERMOSTATIC



## CENTRAL MECHANISM



For easier maintenance and quick flow direction change.

## OPTIONS



Steam lock release

Float lifting lever

Vacuum breaker

Hand vent valve

Blowdown valve


Anti-freeze device


# PRESSURE REGULATORS

An extensive range of pressure reducing (PRV) and sustaining (PS) valves for steam and other gases and liquids. Controlling pressure at the point of use and many other areas of the plant.

**PMO & TMO**   
Up to 220 bar & 300 °C

**FLOW RATE CAPACITIES**   
Kvs 0,06 to 204 m3/h

**SIZES**   
1/4" to 6" - DN 08 to DN 150

**REGULATING RANGES**   
From 0,05 to 200 bar

## DIRECT ACTING



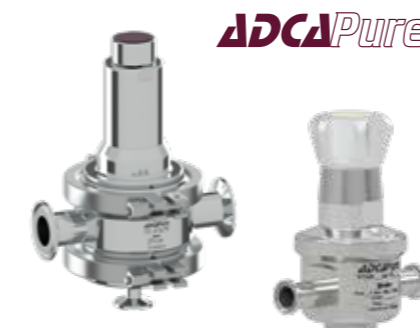
## PRESSURE SUSTAINING



## PILOT OPERATED



## SANITARY



ADCA Pure

## BLANKETING



## OPTIONS FOR EVERY NEED

- External sensing
- Dome loaded
- Top cap
- Leakage line connection
- Self-relieving
- Soft sealing
- Gauge connections



# CONTROL VALVES

Modern plants demand accurate distribution and control of fluids, where control valves play a crucial role.

- PMO**  Up to 50 bar
- TMO**  Up to 400 °C
- SIZES**  1/2" to 8" - DN 15 to DN 200
- FLOW RATE CAPACITIES**  Kvs 0,01 to 630 m<sup>3</sup>/h

## TWO WAY CONTROL VALVES



## THREE WAY CONTROL VALVES



**ADCA**Trol

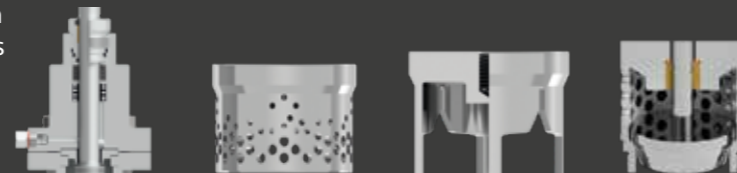
We offer solutions for special applications, such as meeting low noise and fugitive emission requirements, micro flow, cavitation protection and much more.

## SELF-ACTING TEMPERATURE CONTROL VALVES



## MODULAR DESIGN... TO MEET YOUR PROCESS NEEDS

- Soft, stellite and metal valve sealing
- Low noise, anti-cavitation single and multi-stage trims
- Pressure balancing trims
- Reduced bore trims
- Silencers
- And more...



## PNEUMATIC & ELECTRIC ACTUATORS



## ACTUATOR ACCESSORIES

- Positioners
- I/P converters
- Solenoid valves
- Volume boosters
- Feedback units
- Filter regulators
- Special coatings and finishes
- Limit switches and limit switch boxes



## OVERFLOW VALVES



## INSTRUMENTATION



## SANITARY

**ADCA**Pure



## BOILER EQUIPMENT

- Sample coolers
- Feedwater valves
- Blowdown expansion vessels
- Blowdown controllers and probes
- Intermittent and TDS blowdown valves





# PIPELINE ANCILLARIES

Although often overlooked, ancillary items are vital for the reliability and safe operations of any system. We produce a vast range of pipeline ancillaries for steam and other gases and liquids.

# SPECIAL EQUIPMENT

Wide range of equipment for all parts of your steam system. Including heat transfer and heat recovery systems, boiler house equipment and specially designed packages.

## SIGHT GLASSES



## NON-RETURN VALVES



## PIPELINE STRAINERS



## VACUUM BREAKERS



## AUTOMATIC AIR & GAS VENTS



## AIR AND GAS FLOAT TRAPS



## ISOLATION VALVES



## SANITARY



One of the widest offers in the market. Designed for all types of low and high-pressure applications. Covering a wide range of flow rates in various sizes and multiple options to choose from.

## HUMIDITY SEPARATORS



## DIRECT STEAM HUMIDIFIERS



## BLOWDOWN & FLASH VESSELS



## DEARATOR HEADS



## STEAM WATER MIXERS

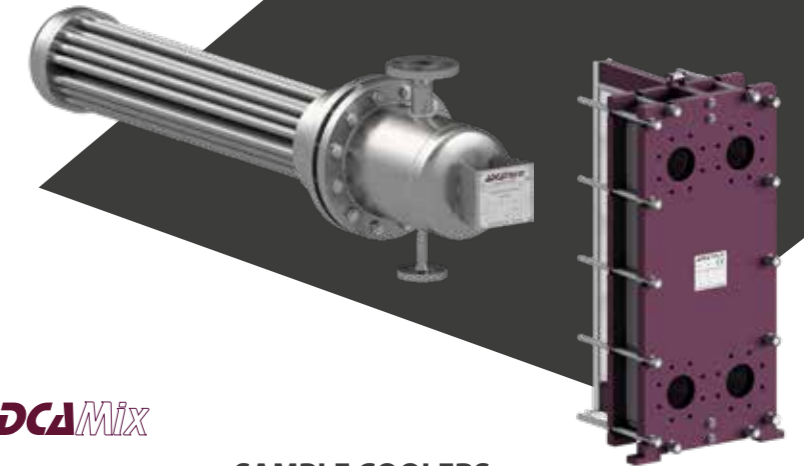


## SANITARY



## HEAT EXCHANGERS

**ADCA**Therm



## SAMPLE COOLERS



## STEAM INJECTORS



**ADCA**Mat

## PUMPS & PUMP TRAPS

- Several design options and sizes from small 1" - DN 25 to 4" - DN100
- Loads up to 30.000 kg/h and higher if fitted in parallel
- Immune to cavitation or NPSH issues
- Suitable for ATEX environments
- Operating up to 10 bar @ 185 °C
- No electrical requirements
- Discharge under vacuum
- Low running costs





# SPECIAL EQUIPMENT

Our company name features "engineering" for a reason. We genuinely do have the knowledge, expertise and facilities in-house to develop tailor-made solutions that will improve our customer processes.



## ADCA<sup>Mat</sup>

### CONDENSATE RECOVERY UNITS



#### INFINITE POSSIBILITIES

- Mechanical or electrical condensate recovery units
- Flash steam heat recovery units
- Pressure reducing stations
- Heat transfer packages
- Sampling stations
- ...and many others



## ADCA<sup>Therm</sup>

### PWHU PACKAGED WATER HEATING UNITS

Designed for instant hot water heating in a safe and efficient way, using steam as primary fluid. Built to meet application and space requirements in a plug and play pressure tested solution, reducing on-site labour and disruption time.

# QUALITY & TECHNOLOGY

## QUALITY IS MORE THAN A STATEMENT

Apart from following ISO international quality standards, we also follow European directives applied to this sector by keeping our technicians and procedures approved by testing and certification organizations.



## OBSESSED WITH TECHNOLOGY

With more than 15.000 different parts manufactured in house and millions of possible product configurations, we continue to keep full control of the whole production cycle. Investment in state-of-the-art technology in the different company sectors is one of the keys to this success. The consequence is increased productivity and a level of quality and reliability that our customers can trust on.

Check our videos:

