



TECCON

F L U I D C O N T R O L

PRODUCT OVERVIEW

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Steam Traps and Pressure Operated Pumps for Condensate Recovery

Pressure Reducers and Sustaining Valves

Control and Regulation Valves

Pipeline Ancillaries and Special Equipment for Steam



Boiler House 1



Boiler House 2

Safety Valves

Pressure Reducers Valves, Overflow and Regulation Valves



Valves According to
API – ANSI Standards



Hygienic and Sanitary Equipment –
Clean Steam ADCAPURE



Level Control,
Measurement and
Transmission



Filtering

Steam Traps and Pressure Operated Pumps



Steam Traps



TYPES: Float, Inverted bucket, Bimetallic, Thermostatic balanced capsule, Thermodynamic and UNIADCA compact system for universal mounting.
SIZES: From DN08 to DN150 (1/4" to 6")
PRESSURE RATIO: PN16 - PN40 or ANSI 150# - 300#.
MANUFACTURING MATERIALS: Nodular cast iron, Cast Steel, Forged Steel and Stainless Steel AISI 304 - 316
CONNECTIONS ACCORDING TO STANDARD: Female thread ISO 7 Rp or NPT. Flanges EN 1092-1 PN 16 and PN40. Flanges ASME 16.5 Class 150# and 300#. Welding type SW ASME 16.11. and Welding type BW ASME B16.25.

Pressure Operated Pumps and Pump Traps

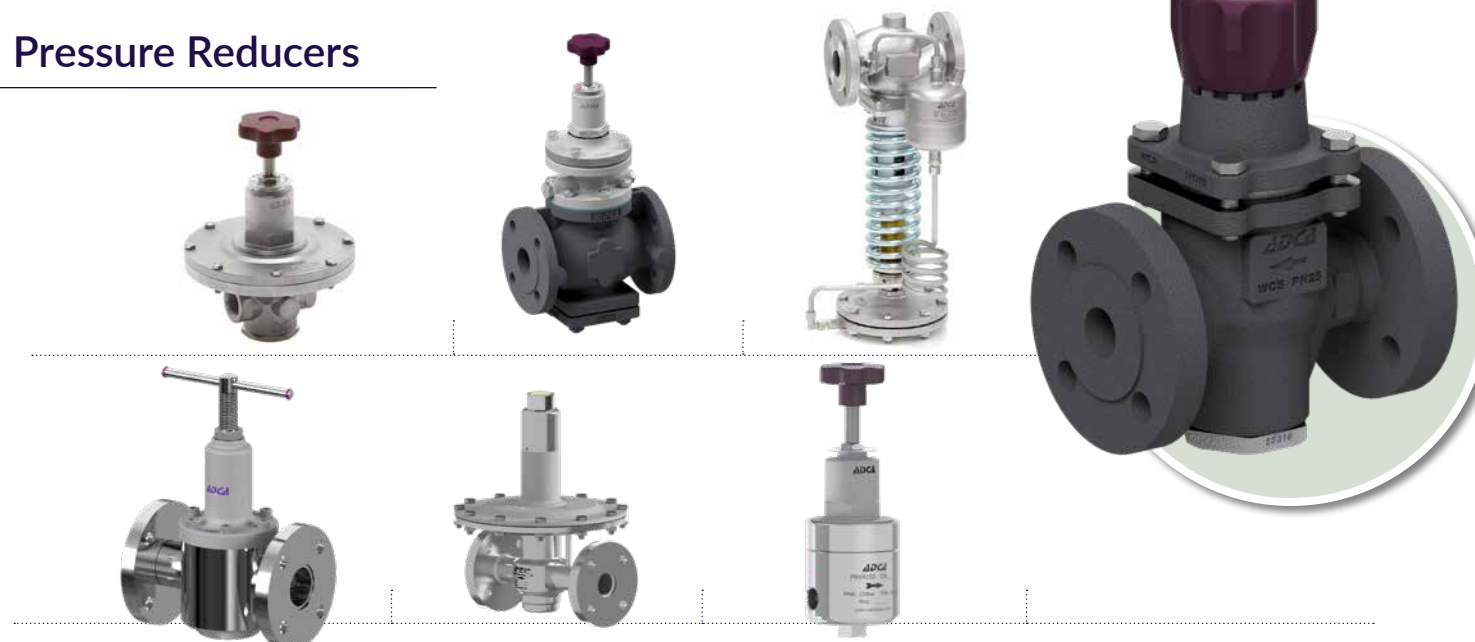


ACTION: By means of steam or compressed air
MAXIMUM OPERATING PRESSURE: 10 bar
MATERIALS OF MANUFACTURING: Steel and stainless steel
SIZES:
 - Pressure Pumps: From DN25 to DN100
 - Pump Trap: DN40 and DN50
CONNECTIONS: Flanges EN 1092-1 PN 16 and Flanges ASME 16.5 Class 150#.
SPECIAL EXECUTIONS: Simplex, Duplex and Triplex compact units with up to 3 booster pumps.

Pressure Reducers and Sustaining Valves



Pressure Reducers

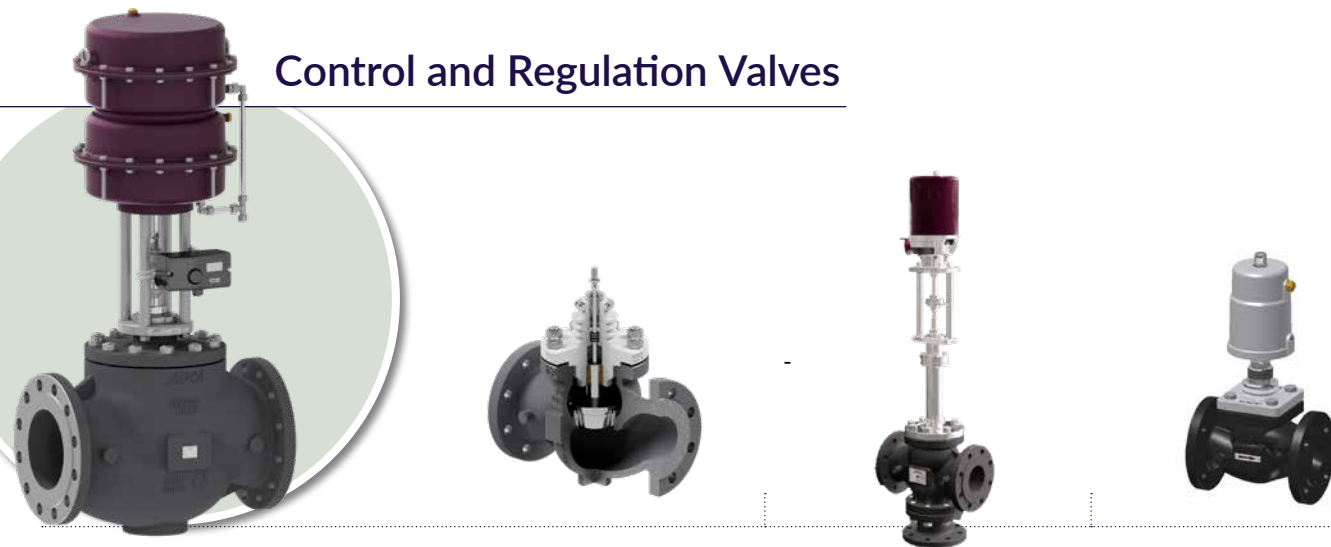


TYPES: Direct acting, pilot operated and pressure compensated with downstream pressure tapping.
SIZES: From DN08 to DN150 (1/4" to 6")
CAPACITIES: From Microflow to High capacity.
PRESSURE RATIO: PN16 - PN40 - PN63 up to PN320 or ANSI 150# - 300# - 600#.
MANUFACTURING MATERIALS: Nodular Cast Iron, Cast Steel, Forged Steel and Stainless Steel AISI 304 - 316
CONNECTIONS ACCORDING TO STANDARD: Female thread ISO 7 Rp or NPT. Flanges EN 1092-1-2 PN 16 and PN40. Flanges ASME 16.5 Class 150# and 300#. Welding type SW ASME 16.11. and Welding type BW ASME B16.25.
APPLICATIONS: Suitable for use with water, steam, oil, industrial gases and media compatible with fabrication materials.
TEMPERATURE RANGES: Depending on materials of manufacturing, up to 300°C

Pressure Sustaining Valves



Control and Regulation Valves



TYPE: 2-way and 3-way (Diverter and Mixer)
SIZES: 1/4" (DN10) TO 8" (DN200)
REGULATION: EQP%, Linear PL, On-Off
REGULATING OPTIONS: Microflow PL, Anti-cavitation and low noise internals, V-Ported and compensated
STEM SEALING - BONNET: PTFE, PTFE+CG, FPM, Pure Graphite, Finned Bonnet, Extended Bonnet with double layer bellows.
VALVE SEALING: Metal to Metal Class IV and V, Metal to Soft Seal Class VI.
RATING: DIN PN16 - PN40
BODY MANUFACTURING MATERIALS: Nodular cast iron GJS-400-15, Carbon steel A216WCB, Stainless steel A351 CF8 and CF8M.
CONNECTIONS ACCORDING TO STANDARDS: Flanges EN 1092-1 PN 16 and PN40. Flanges ASME 16.5 Class 150# and 300.
ACTION: Pneumatic and electric actuators or handwheel.
ACCESSORIES AND OPTIONS: Pneumatic actuator in AISI 304, Emergency handwheel, Pneumatic and electropneumatic positioner ATEX and Intelligent, mechanical and inductive limit switches, Position feedback signal, Stroke limiter, special body for oxygen applications.
APPLICATIONS: Suitable for use with water, steam, oil, gas, petroleum products, industrial process gases.
TEMPERATURE RANGE: Up to + 400° C

Pipeline Ancillaries and Special Equipment for Steam



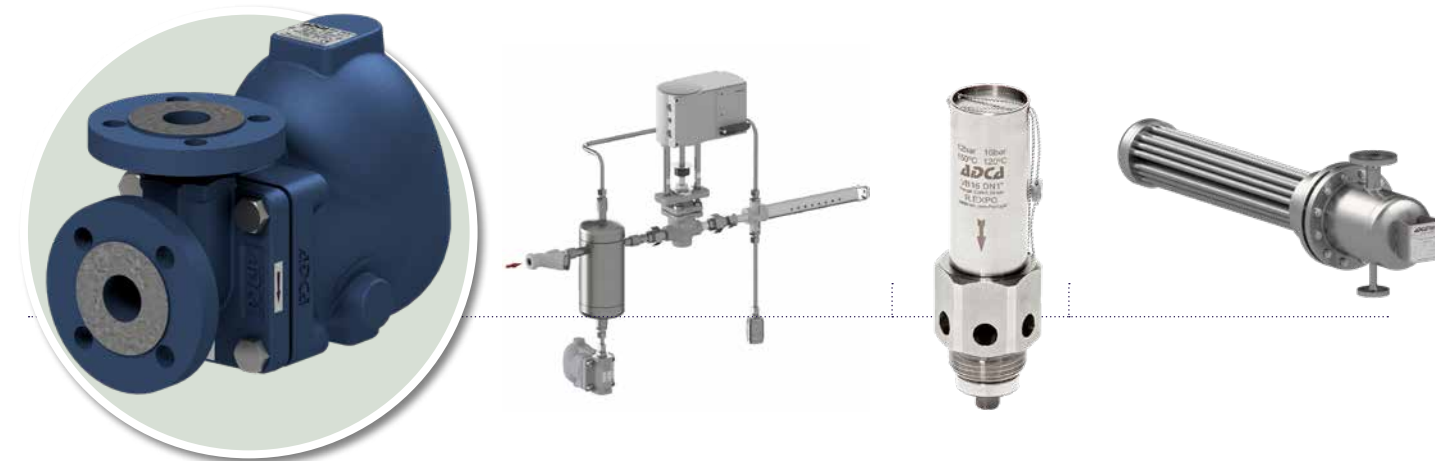
EQUIPMENT:

- Droplet and moisture separators
- Check Valves
- Air eliminators in liquid networks
- Condensate Eliminators in gas pipelines
- Condensate Sight Glasses
- Steam Injectors
- Steam Humidification
- Vacuum Breakers
- Steam-Water Mixing Valves
- Steam injectors in water tanks
- Shell and tube heat exchangers and coils
- Plate heat exchangers
- Y-type filters, basket strainers
- Compact and portable heating skids on request, etc.

SIZES: According to type of equipment

CONNECTIONS ACCORDING TO STANDARD: Female thread ISO 7 Rp or NPT. Flanges EN 1092-1 PN 16 and PN40. Flanges ASME 16.5 Class 150# and 300#. Welding type SW ASME 16.11. and Welding type BW ASME B16.25 according to type of equipment.

BODY MANUFACTURING MATERIALS: Nodular cast iron GJS-400-15, Carbon steel A216WCB, Steel P250GH, Stainless steel A351 CF8 and CF8M, others on request and according to equipment.



Boiler House



- EQUIPMENT:**
- Controllers for low and high level alarm with self-checking and latching (SIL2 and SIL3)
 - High security level probe for low and high level alarm
 - Capacitive probe for level transmission and control (field configuration version)
 - Conductivity transmitter in boiler (TDS) 4/20 mA output
 - Controllers and Electrodes for on-off level control



Boiler House



- EQUIPMENT:**
- Conductivity controllers and control probes (TDS)
 - Coolers for water sampling
 - Drain Valves for TDS control
 - Sludge purge valves
 - Boiler blowdown expander tank
 - Deaerator dome and atmospheric heads for boiler water conditioning
 - Boiler level indicators
 - Safety valves





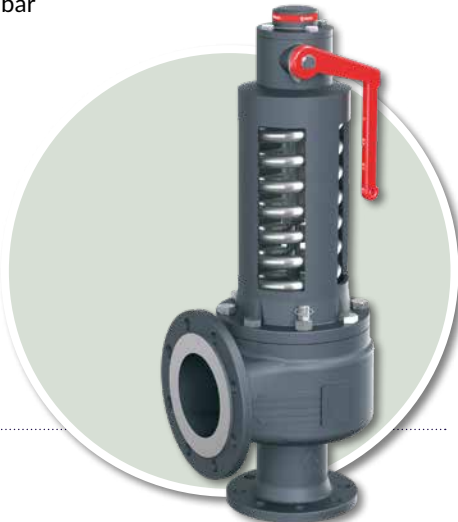
Angular Safety Valves



THREADED VALVES IN STAINLESS STEEL AND BRONZE OR MIXED.
- Applications from - 60°C up to 400°C and pressures up to 70 bar (451-481-460-420-861 series)



FLANGED VALVES IN NODULAR CAST IRON, STEEL, BRONZE AND STAINLESS STEEL.
- Applications from -60°C to 400°C and from 0.2 bar to 40 bar (series 852-355-455-642-645)



Atmospheric Discharge Safety Valves



Pressure Reducing Valves



THREADED AND FLANGED VALVES IN STAINLESS STEEL AND BRONZE / BRASS.
Applications from - 20°C to + 120°C and pressures up to 40 bar. Series 481/681, 482/682

THREADED AND FLANGED VALVES IN STAINLESS STEEL AND BRONZE / BRASS.
Applications from - 20°C to + 120°C and pressures up to 40 bar. Series 481/681, 482/682



Overflow and Regulation Valves

THREADED AND FLANGED VALVES IN STAINLESS STEEL AND BRONZE O MIXED VALVES.
Applications from - 60°C to 225°C and from 0.2 to 30 bar. Series 418-417-618-617-431/431-630/631



Valves According to API – ANSI Standards



Control Valves



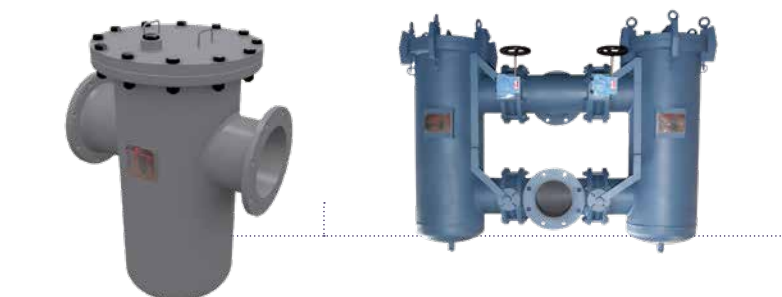
Globe, Gate and Check Valves



Steam Traps



Basket and Duplex Filters



Pressure Reducing Valves



Safety Valves



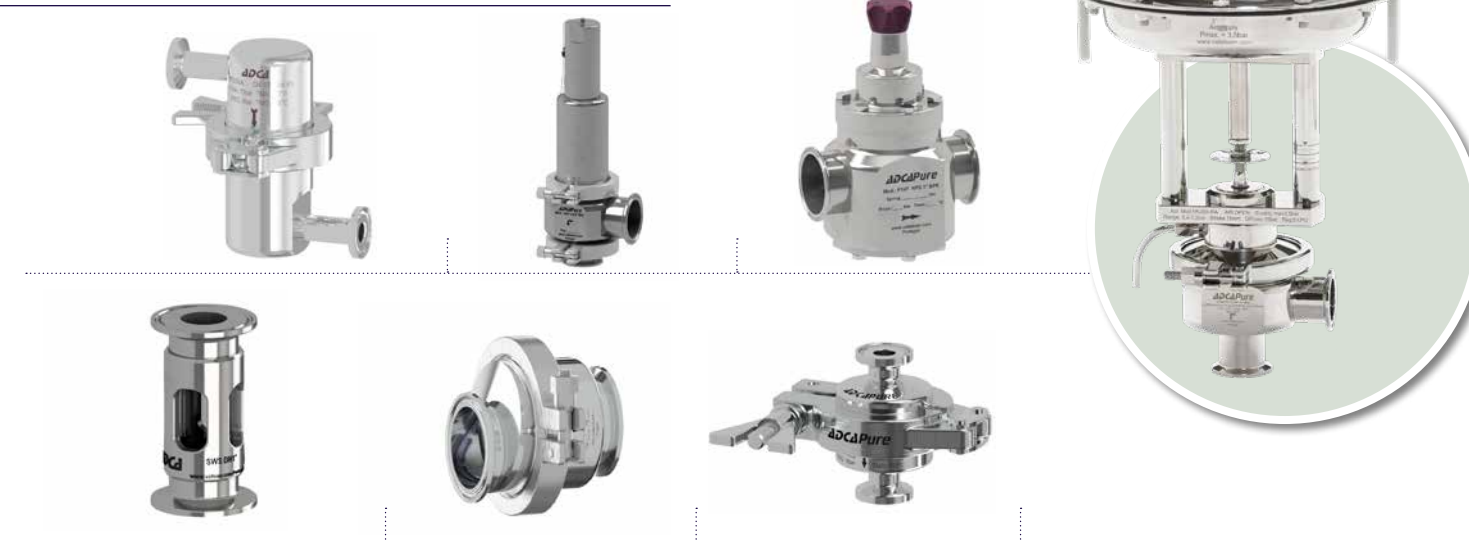
Level Gauges



Clean Steam Equipment – Sanitary and Hygienic Applications



Clean Steam Equipment – Sanitary and Hygienic Applications



TYPE:

Condensate Traps, Pressure Reducing Valves, Pressure Maintaining Valves, Control Valves, Safety Valves, Ball Valves, Sample Coolers, High Efficiency Filters, Sight Glasses, Check Valves, Vacuum Breakers and Humidity Separators.

BODY MANUFACTURING MATERIALS: AISI 316L manufactured from bar stock, self-draining design

INTERNALS MANUFACTURING MATERIALS: AISI 316L

CONNECTIONS: Asme - Bpe Clamp and welding tube

STANDARD SURFACE FINISH: Wetted parts: $\leq 0,51\text{micron Ra}$ - SF1. Exterior: $\leq 0,76\text{ micron Ra}$ - SF3. Other surface finishes on request. Ultrasonic cleaning

TEMPERATURE RANGE: - 10° C up to + 200° C (Depending on equipment)

MAXIMUM WORKING PRESSURE: 13 bar g (depending on equipment)

SIZES: from ½" to 4".



ON-Off and Modulating Level Control



EQUIPMENT:

- Single electrodes and conductive level controllers for boilers and industrial tanks
- Conductive multi-electrode probes and PTFE-coated single electrodes and probes for food applications
- Multi-electrode conductive probes for multiple applications
- Capacitive probes for level transmission in industrial and boiler applications (high pressure and temperature)
- Capacitive probes for level transmission in food applications
- Continuous level transmitter for fuel oil and diesel oil tanks
- Bypass type magnetic level indicators with magnetic switches and level transmission



Filtration



TYPE:

- Bolted Lid Basket Filter Model FCC-500 BC
- Basket strainer with quick-opening lid model FCC-500 FO
- Filters type T model FCC-TM
- Filters welded mechanical Y type model FCC-500 MC
- Temporary filters conical and truncated cone filters models FCC and TCC

MANUFACTURING MATERIALS: Carbon Steel, Stainless Steel AISI 316/316L, others on request

BASKET MATERIALS: AISI 304, AISI 316, others on request

GRADES OF FILTRATION: From 0.01 mm upwards

FINISHING: Standard epoxy paint, anticaloric or anti-corrosion paint and others upon request

CONNECTIONS: Flanged S/ EN1092 PN10-16-25-40 and ASME S/ B16.5 Class 150 / 300#

Special executions on request.



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