

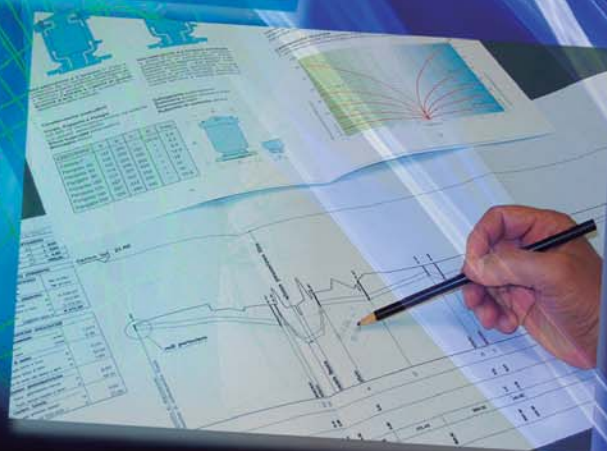
Control Valves

CSA®



Why to choose CSA Control Valves?

- Above the market average Quality and Design Manufacturing
- Strict Quality Control and Materials Traceability, from the beginning to the final product cycle.
- One of the widest portfolio encountered in the present market, with constant innovation.
- All control possibilities under a single manufacture brand: pressure, level, flow, remote control..etc.
- FBE paint, consistent thickness and high quality, ensuring environmental protection and long life span.
- Full type approval and product certification.
- Technical back up, know how, sizing software and engineering application. At your easy access.
- Ex-stock availability.



Valves designed and manufactured in conformity with PED 2014/68/UE – Module A – Cat.I
WRAS certification for drinking water.



FBE COATING

High Quality FB EPOXI Paint by fluid bed system.



GRIFO

Patented accuracy control device for control valves, Increase precision and speed in regulating.



ANTI CAVITATION PLUGS

Low Flow rate Seat Plug device design for control valves.

CSA® - CSA – A wide choice of control products for water works

AIR VALVES



*ARGO series made out in High Density Polypropylene, threaded end connection, sizes 1" and 2", Design Pressure: PN 16

*FOX and LINX Series for water, double and triple acting combined air valves, threaded and flanged ends, sizes 1" and 2" and DN 50 up to DN 400, design pressure: PN 64

*SCF-SCA series for sewage, double and triple acting combined air valves, threaded and flanged ends, sizes 2" and DN 50 up to DN 200, design pressure: PN 16

*GOLIA Series for industry and seawater, double and triple acting combined air valves, flanged ends, sizes up to DN 250, design pressure: PN 40

*SATURNO Series for underground service, Design Pressure: PN 16

CONTROL VALVES AND ANTI SURGE DEVICES



*VRCD Series, Downstream pressure regulators, flanged connections, size range from DN 50 up to DN 150, Design Pressure: up to PN 40

*VRCD FF Series, Downstream pressure regulators in stainless steel, threaded ends connections, size range 1" and 1.1/2", Design Pressure: up to PN 40

*DRA Series, Downstream High pressure regulators, flanged connections, size range from DN 50 up to DN 150, Design Pressure: up to PN 64

*VSM Series, Upstream pressure regulators, flanged connections, size range from DN 50 up to DN 150, Design Pressure: up to PN 40

*VRCA Series, anti-surge valves, flanged connections, size range from DN 50 up to DN 200, Design Pressure: up to PN 40
Two spring range (two diverse Colours), manually adjusting screw. Prepared for gauge set.

LEVEL CONTROL VALVES



*ATHENA Series, level control valves by lifting float, threaded ends 1" and 1.1/4" and flanged connections for size range from DN 40 up to DN 300, Design Pressure: up to PN 25

*Valve design in straight way or angle type (2 or 3 ways)

*Balanced plug

*High quality stainless steel ball float

AUTOMATIC CONTROL VALVES



*XLC 300 Series, reduced bore control valves by double guide plug. Size range from DN 50 up to DN 400, Design Pressure: up to PN 40

*XLC 400 Series, full bore control valves by double guide plug. Size range from DN 50 up to DN 400, Design Pressure: up to PN 40

*XLC Series, with standard visual position indicator, patented GRIFO device for control accuracy

*AISI 316 stainless steel tubing and brass compression fittings

*Pilot controls for diverse functions: pressure regulators, level, altitude and other variable parametres.



SOLID POLIPROPILENE FLOAT
Ensures the float integrity avoiding deformation by hammer strikes or vacuum, high corrosion resistance



STAINLESS STEEL GOLIA AIR VENT
Special manufacturing materials: stainless steel, Duplex and Super duplex, Aluminum Bronze.



SATURNO
Air vents deviced for underground installation



AVAST Anti Hammer Tanks

AVAST mean the optimal solution for water hammer prevention in all hydraulic Systems as result of uncontrolled overpressure and depressed phenomena. They are suitable for clean water and sewage. It is a fully automatic device with no need of external power.

Technical Support Service:

- Hydraulic Modelling
- Transients Analysis
- Calculation of Air valves installation and lay out

After Market Service:

- In site and hydro plants
- At our Works, setting and repairs

Experts on water works valve application technology; maintenance service on dams, WWTPs, irrigation networks and desalination plants.



Dynamic Tests and Simulation Laboratory:

With the highest control technology, the simulation laboratory provides a real simulation with water control systems where valves can be monitored under dynamic working conditions. Control valves, self-acting regulators and air valves are integrated into the plant system. Booster pumps and high frequency equipment measure the valve behavior in real time.

