

PROCESS INSTRUMENTATION COMPONENTS & SYSTEMS



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FORTY YEARS OF EXPERIENCE IN THE DESIGN, MANUFACTURE & SALES OF HIGH QUALITY PRODUCTS AND SOLUTIONS. 100% MADE IN ITALY

Sitecna since 1983

Established in 1983 as a commercial company, Sitecna has developed a very technical and high level experience in fluid control. Thanks to a very experienced team of engineers, 25 years ago we started to design and develop an innovative range of pneumatic products to satisfy the needs of operations critical for temperature, aggressive environments and classified areas.

Today, at our headquarter located near Milan, in northern Italy, we design, build and sell components and systems for chemical, petrochemical, energy and glass sector, offering our range of pneumatic equipments for the most demanding applications.



Flexible products for every application

Sitecna's products are the standard for non-standard specifications. Our know how in components and engineered systems stems from years of problem facing and solving for the most critical sectors.

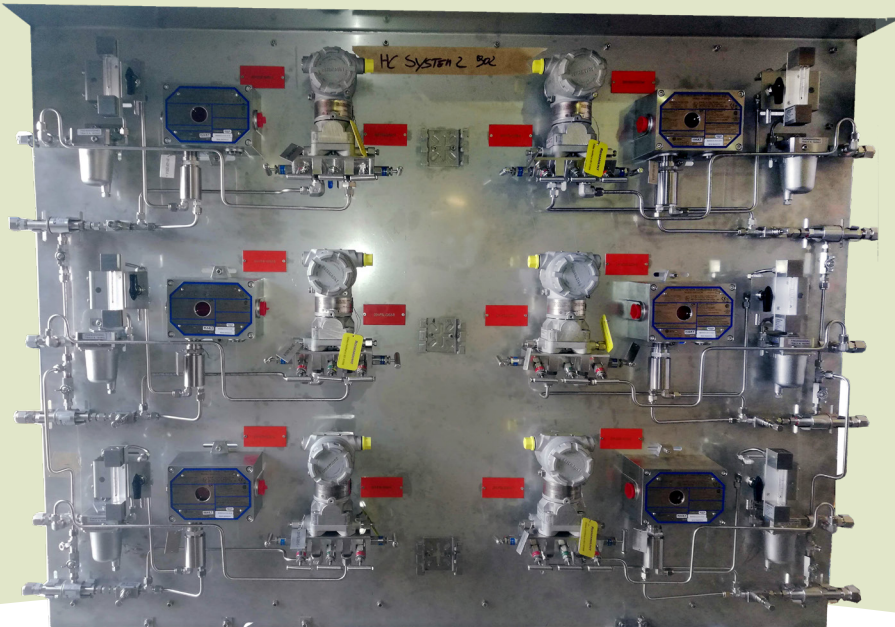
Our innovative approach is strongly linked to market developments and quickly renews to meet always more strict requisitions. We carefully listen to our customers to improve efficiency and reliability of equipment and operations.

Products have high level of customization.

Quality first

Total quality concept is our basic strategy, influencing every single choice and providing a solid base for our actual and future growth.

Our commitment towards continuous improvements of our quality management is fully certified.



CHOOSE WHAT YOU NEED

Pressure Regulators & Filter Regulators

Instrumentation valves

Safety valves

Overload device

Manifolds

Fittings

Heaters & thermostats

Pressure switches,

Pressure gauges, flowmeters



PROCESS INSTRUMENTATION COMPONENTS & SYSTEMS

ON/OFF ACTUATOR CONTROL SYSTEMS

Modular normalized systems or custom engineered systems

DIAPHRAGM VALVE CONTROL SYSTEMS

Simply built on actuator to suit your specific needs

INSTRUMENTATION SYSTEMS

Custom designed turn key instrumentation systems

GAS MONITORING SYSTEMS

Most reliable and flexible aspirating gas monitoring systems

PRESSURE REGULATORS

- Standard Sizes 1/4", 3/8", 1/2", 3/4", 1" NPT
- Copper free aluminum alloy or Stainless steel 316 complete construction
- Standard seals & diaphragm available in NBR, EPDM, FVQM, FKM, LT HNBR
- Temperature range from -55°C to 90°C
- Media: air, sweet and sour gases, clean water
- Relieving or Non relieving versions
- Excellent stability and repeatability
- Accurate adjustment and high flow capacity
- Max inlet pressure up to 30bar
- Full material traceability
- EN10204 3,1, ATEX, SIL3, IP66 and EAC TR CU certified range
- Italian production



FILTER REGULATORS

- Standard Sizes 1/4", 3/8", 1/2", 3/4", 1" NPT
- Copper free aluminum alloy or Stainless steel 316 complete construction
- Standard seals & diaphragm available in NBR, EPDM, FVQM, FKM, LT HNBR
- Standard filtering elements available coalescing type or 3, 5, 25 and 40 micron
- Temperature range from -55°C to 90°C
- Manual or automatic condensate drain
- Relieving or Non relieving versions
- Max inlet pressure up to 30bar
- Full material traceability
- EN10204 3,1, ATEX, SIL3, IP66 and EAC TR CU certified range
- Italian production



INSTRUMENTATION VALVES

WB and Uni-lok range of valves are designed and manufactured to the highest standards to meet the requirements of the severe applications.

The range of valves - available in stainless steel, brass or special alloys - includes:

- Needle, maturing & ball valves
- Bellows & diaphragm valves
- Check & relief valves
- Strainers, manifold valves
- Double Block and Bleed Valves
- Gate Valves
- IGS integrated gas systems
- High-pressure regulators



AISI316 HEXAGONAL BALL VALVES

Sitecna's ball valves features:

- AISI 316L construction
- Working pressure up to 1000psi (70bar)
- Working Temperature -30° up to 200°C
- 2/2 ON/OFF function
- 1/4" (Dn 5mm) - 1/2" (Dn 9mm) sizes
- Compact size
- Low torque quarter turn actuation
- Bi-directional flow
- Anti blow-out spindle
- Standard NPT female threads



SAFETY VALVES

Atmospheric discharge safety relief valves

Seetru can offer BSP, BSPT or NPT threaded atmospheric discharge valves with PED (CE), ASME (UV & NB), CRN and EAC approval.

Change-over valves

Typically used where plant shutdown is impossible or undesirable. With changeover valves it is possible to switch over between parallel safety valves without interrupting operation, so that maintenance work can be carried out on each safety valve in turn.

Enclosed discharge safety relief valves

Seetru can offer BSP, BSPT or NPT threaded or DIN or ANSI Flanged enclosed discharge valves with PED (CE), ASME (UV & NB), CRN and EAC approval.

Set pressures up to 500 bar depending on the type.
Temperatures down to -196°C.

Liquid level gauges

We also manufacture liquid level gauges, primarily of two types; tubular glass gauges and magnetic float by-pass gauges. Available with threaded, welded or flanged process connections.



MANIFOLDS

- Pressure rating up to 6000psig (413bar) @38°C (100°F)
- Temperature rating from -53°C(-65°F) to 232°C(450°F) with standard PTFE packing, up to 648°C(1200°F) with Grafoil packing
- Hardened stem threads and one piece of bar stock or forged body for long cycle life
- Bonnet stop pin prevents accidental handle back-out
- Non-rotating stem for leak-tight shut-off and long cycle life
- Burr-free internal surface
- Manifold feature a 4:1 safety factor
- 2-1/8" (54mm) port centerline dimension for proper alignment
- UNILOK valves comply with NACE MR-0175/ISO 15156 for sour oilfield application or NACE MR-0103 for petroleum

UNILOK



INSTRUMENTATION FITTINGS

Tube Fittings

- OD Compression fittings (Ringlok & Uni-lok Twin Ferrule, Duoloc Single Ferrule)
- Gas Release Flaps
- Flange Fittings (connectors, kidney flanges)

Stainless Steel Pipe Fittings

- Hose components and unions
- Plugs, bushes and seals-
- High pressure precision pipe fittings
- Weld fittings, low pressure fittings

PTFE Fittings, UHP Fittings



UNILOK
WAVERLEY
brownall

INSTRUMENTATION

HEATERS

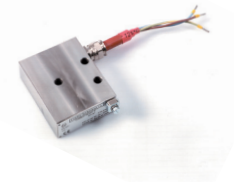
Condor Heaters can be used in all applications, but are mainly designed for winterizing applications with instrument and analyser cabinets or keeping electric panels condens free. All products are 100% tested. Maintenance-free, long-life products, using smaller amounts of energy.

Explosion Proof Heaters

Condor Heaters can be used in potentially explosive atmospheres as they are available in Explosion-proof version Ex-certified. The majority of the heaters are indeed available in anodized aluminum or with stainless steel 316 bodies, fit for corrosive environments.

ATEX II 2G Ex d IIC T3 or T4 : II 2D Ex tD A21 IP66 T 135°C or T200, IECEx DEK 11.0017, TR-CU EX, KTL EEx d

Condor Technology



THERMOSTATS

- Accurate Setpoints up to 135°C
- Small hysteresis
- Anodized aluminium housing (Stainless steel housing available)

Therm96 GTH for non-hazardous areas

- Prevention of overheating
- Freeze protection
- Anticondensation

Explosion Proof Thermostat Ex-certified

- Prevention of overheating
- Temperature protection
- Suitable for T6 and T4 classification
- Armoured electrical cable standard
- In line version available (only in aluminum, set point up to 60°)

ATEX II 2G Ex d IIC T6 or T4 : II 2D Ex tD A21 IP66 T 85°C or T 135°C, IECEx DEK 11.0017, TR-CU EX, KTL Exd

Condor Technology



PRESSURE GAUGES

Sitecna offers a wide range of pressure gauges. Our Bourdon pressure gauges can have a full stainless steel 316 construction or SS304 case and nickel plated brass connection. Diameter 40, 50 and 60 are available as well as 1/4" or 1/8"NPT size gauge connection. Scales are different. Sitecna's pressure gauges can be supplied ATEX certified. We can also offer many other types of gauges with more approval and certification.

PRESSURE SWITCHES

Aluminium alloy or stainless steel enclosure, ExD, IECEx, NACE, SIL certified, IP, TR CU Approved.

FLOWMETERS

Sitecna's 316L stainless steel tube flowmeter offers an excellent accuracy for instant measurements of low flows with a low cost. Our flowmeters are ATEX certified and TR CU approved.



OUR PARTNERS



Manufacturer of atmospheric or enclosed discharge safety relief valves, change-over valves, liquid level gauges



Manufacturer of controller units, manual relays, pressure sensors, hydraulic & quick exhaust valves



Manufacturer of instrumentation fittings, ball, needle, check, relief valves



Manufacturer of instrumentation fittings, ball, needle, check, diaphragm, bellows, manifold valves



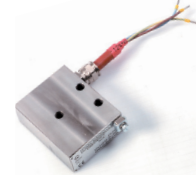
Manufacturer of fittings, flow regulators & electro-pneumatic valves



Manufacturer of digital positioners, analog positioners and switchboxes



Manufacturer of instrumentation heaters & thermostats for hazardous locations



Manufacturer of plastic tubing, valves & instrumentation solutions



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