

# TAMO

**VALVES AND FLOW CONTROL  
SPECIALISTS**



# TAMO PRODUCTS

We have a long history of design, engineering and manufacturing valves and instruments for bespoke applications globally.



- KF Flanged Relief and Check Valve conversions in various materials. KF Valve housings made to order.
- FIA approved valve manufacturer for Formula 1. Valve design & build for Formula 1 racing applications. Valve modifications for bespoke applications as required.
- Bespoke design and manufacture for specialist valves, pressure & flow instruments across various demanding applications and industries.
- Instrument panel design, assembly, and commissioning. Our product range and engineering expertise allow us to provide a full design, build and supply package.
- Design and build assemblies for pressure venting/containment applications for specialist gases. We provide valves for the Helium, Hydrogen and other industrial gases in cryogenic or gaseous form.
- Modifications to product to suit research and prototype applications globally.

# RELIEF & CHECK VALVES

- Check Valves crack pressures 0.1 - 75psi std.
- Relief Pressure Range: Vacuum to 10,500 psig (724 Barg).
- Relief valve set pressures 0.2 - 10,500 psig Std.
- Materials: SS, Brass, Al, Exotics, Hard and Soft Seats, Cryogenic options.
- Size: Relief 1/8" to 1 1/4" Check 1/8" to 2"
- End Connections: NPT, BSP, inline and free vent, KF flange (Special connections on request)
- Applications for air, specialist gases, liquids, cryogenic, high temperature, high pressure, industrial manufacturing, Oil & Gas, petrochemical, high-performance racing, subsea, breathing air, research, Hydrogen, prototyping and many others.



## PRESSURE INSTRUMENTS

### Pressure Gauges, Switches, Transducers & Transmitters

- Pressure Gauges: Dial sizes 63mm, 100mm & 150mm. Full range of mounting types.
  - Relative & Differential ranges from -1bar to 1600bar (Special Ranges/Scales on request).
  - Materials: Case Stainless Steel, Brass and Composites, Windows in Safety Glass: Polycarbonate & PMMA.
  - Sensing elements: Stainless Steel, Bourdon tube, Single and Double Diaphragm.
  - Options: Liquid Filled, Electrical switches, ATEX, Diaphragm Seals, Monel, ISO and ANSI connections, mechanical and electronic versions.
- Transmitters:
  - > Pressure ranges from full vacuum to 60bar Absolute.
  - > -1 bar to 1000 bar Relative and 0 to 100bar Differential.
  - > Accuracy from 0.065% to 1%FS.
- Switches: Fixed and adjustable dead band. Full range of Metal and Composite housings.
  - Full range of ATEX, Intrinsically Safe, SIL 1 & 2, Clean and Ultra Clean, cable connections and Material certification options.

\*\*\*Refer to datasheet for true accuracy of your selected switch. Sensitivity of switch can be from mbar to bars depending on range, dead-band and setpoint.\*\*\*



## FLOW INSTRUMENTS

### Flow Limiters, Indicators, Switches and Meters for Water, Oil and Gases

- Flow rates from 1 L/min to 270 L/min (H<sub>2</sub>O) max pressure 10bar. Max Temp +200 deg C.
- Flow Indicators & Switches from 1/4" (6mm) (0.005 L/min) to 6" (150mm) (180,000 L/h) H<sub>2</sub>O.
- We offer options for Gases, Water and Oil and for pressures up to 350bar.
- Switch types: NOC or Change Over with ATEX options for hazardous areas. 4-20mA/0-10v transmitter option.
- With Sight Glass, high-pressure options up to 250 Bar brass/300 Bar SS. Full range of Variable Area Flow Meters in Safety Glass and Polycarbonates.
- Flow Transmitters 1/4" to 6" 4-20mA, 0-10v, ATEX.
- Flow Limiters for pipe sizes 1/2" (15mm) to 3" (80mm), threaded or flanged versions. Brass or SS.



## REGULATORS

- Pressure & Back Pressure Regulators
- Sizes: 1/4" to 6"
- Kv (Cv): up to 400
- End Connections: Screwed, ANSI / DIN Flanges, ASME Class 150 through 2500, RF, RTJ, Flat Face, Integral Flange Ends & Special Connections as well (for e.g. Socket weld, Butt weld etc.)
- Body material: Ductile Iron, Bronze, Carbon Steel, St. Steel (CF8M), Cast Iron, Steel, Aluminium, Brass, Zinc
- Trim Material: Jorcote, 303 / 316 SST, Monel, Hastelloy & other alloys
- Seat Material: Jorcote, St. Steel, Metal (Hard & Soft seats)
- Applications: Steam, Water, Oil & Gas, Air, Chemicals etc



## CONTROL VALVES

- Sizes: 1/4" (DN8) through 20" (DN500)
- Shut-off: ANSI Class IV [ANSI Class VI with Soft Seat]
- Kv (Cv): up to 400
- Flow Characteristics: Linear, Equal Percentage & Quick Opening
- End Connections: Screwed, ANSI / DIN Flanges, ASME Class 150 through 2500, RF, RTJ, Flat Face, Integral Flange Ends & Special Connections as well (for e.g. Socket weld, Butt weld etc.)
- Body material: Ductile Iron, Bronze, Carbon Steel, St. Steel (CF8M/CF3M), LCC, WCB, WCC, WC9, C5, Monel.
- Trim Material: 303 / 316 SST
- Seat Material: Jorcote, St. Steel, Metal (Hard & Soft seats)
- Applications: Steam, Water, Oil & Gas, Air, Chemicals etc.



We offer control valves for Water, Oil, Gas, Chemicals and Cryogenic applications for pressures Vacuum to 400bar+

# TEMPERATURE INSTRUMENTS

## Temperature Gauges, Switches & Transmitters

- Dial Thermometers 100mm & 150mm with Bi-Metal or Inert Gas Capillary. -200 deg C to +600 deg C as standard ranges.
- Full range of Case types/materials, options for Liquid Filled, O2, Special scales and Ranges, 1 or 2 Switch options.
- Switches in a range of housing/probe materials with options for St. Steel armoured capillaries.
- Full range of certification, ATEX, I.S, Exd, SIL 1&2 & GOST
- Options for a range of Electrical and Pneumatic Switches
- Transmitters: Full range of RTD, NI and Thermocouple options
- 3 types of Transmitters offering EEx ia IIC T6, T5 or T4, II 2 G Ex d IIC T6 and LCD display.
- Extensive range of probe types, lengths, Thermowell materials and stand-offs.
- Standard ranges -200 deg C to +600 deg C with higher temperature options as a special.

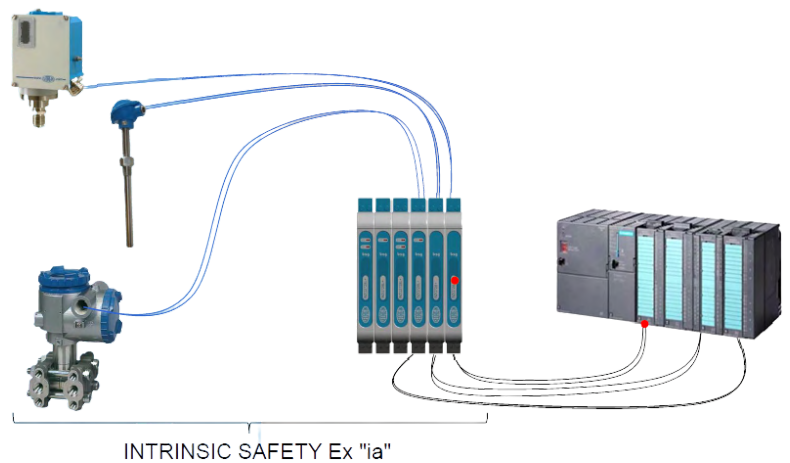


# ELECTRONIC INTERFACE

## Intrinsic Safety

Intrinsic Safety is one of the protection methods used for instruments installed in hazardous areas. GeorGIN offers a large range of Intrinsically Safe devices:

- Zener barriers
- Switching amplifier
- Isolator
- Converters
- Power supply
- Field mounted indicators
- Bargraphs
- Set point stations
- Pilot lamps



## Hazardous atmosphere

As a key player in safety for industrial process, our partner GEORGIN is involved in the Hazardous Atmospheres field since its creation.

Always attentive to new standards, GEORGIN was the first to obtain a certificate for INTRINSIC SAFETY when the CENELEC European Standards was founded.

Since new ATEX standards were introduced, GEORGIN endeavours to propose its industrial range in different ATEX versions to make our clients find THE product adapted to their need.

Thanks to our normative watch team we are always able to offer high quality devices in compliance with the latest edition of the ATEX standards.



## ABOUT US

We are a high-quality valve and instrumentation provider.

We pride ourselves on providing the highest level of customer service and on offering the highest quality product.

In many cases, we stock complete assemblies or modular parts for immediate assembly and delivery.

We engineer, design and manufacture products to cater for your specific flow and instrumentation needs under our own brand.

We supply to most market sectors including Energy, Chemical, Pharmaceutical, Medical, Food, Motor Racing, Industrial manufacturing, Research, Semi-Conductor, Power Generation, Renewables and Hydrogen Power.

Our equipment, facilities and stockholding allow us to assemble and test valves, flow instruments and pressure instruments at short notice.

Tamo started in 1959 and we have constantly improved our product range, manufacturing capability, quality, and service levels. We are your one stop for all your flow control and instrumentation needs.

You can depend on us!

Engineering expertise,  
highest quality product  
& excellent customer  
service.

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