

# SAFETY VALVES · REGULATORS · PRESSURE MEASUREMENT TECHNOLOGY

... high-quality and affordable technology



CTA carries a comprehensive line of fittings for securing, regulating, and measuring pressures e.g. in containers, pipelines, and installations. The following are a few of the important technical criteria applying to various product areas, but not necessarily every individual product:

## Designs

- **Normal safety valves**, valving and with corner release, with 5-10 % opening tolerances
- **Blow-off valve** – for simple pressure containers without certification
- **Pressure and volumetric controllers**
- **Mechanical** and **electronic** pressure measurement, pressure averaging, and temperature measurement

## Certification

- **CE as per** Directive 97/23/EC – TÜV – ISPEL – ASME – ATEX
- **Free of oil and grease, free of paint-wetting inhibiting agents**

## Media for

- **Neutral gases/toxic gases/flammable** gases
- **Coolants** and refrigerants/**ultra-low** temperatures < -50° C
- **Liquids/granulates, coarse and fine**

## Connections

- **Inlet** screw connections from 1/8" to 2" in G – M – NPT – ISO 7, flange from DN 20 to DN 300
- **Outlet** and **inlet** screw connections, valving or with **corner** release, flange connection (inlet + outlet)
- **Additional** screw connections, upon request

## Pressure Range

- 0.3 to 800 bar
- Additional pressures, upon request

## Temperature Range

- From -196 °C to +450 °C depending upon the sealing

## Materials

- Brass
- Brass, nickel-plated
- Brass/Stainless Steel
- Stainless Steel
- Steel Plate
- Plastics

## Sealing Materials

- NBR, Viton, EPDM, Silicone
- KALREZ, Teflon, metal
- Others, upon request

# INDUSTRIAL FITTINGS

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## SAFETY VALVES



## PRESSURE REGULATORS



## PRESSURE MEASUREMENT TECHNOLOGY



### MATERIALS

Brass  
Steel  
Stainless Steel  
Plastics  
Nickel-Plated  
Chrome-Plated

### CONNECTIONS

1/8" to 2"  
G-M-NPT-ISO 7  
Flange Connections

### MEDIA

Neutral gases  
Toxic gases  
Flammable gases  
Coolants and refrigerants  
Ultra-low temperatures < -50 °C  
Liquids  
Granulates, coarse and fine

### PRESSURES

0.3 to 800 bar

### TEMPERATURES

-196 °C to +450 °C