

REACTON AUTOMATIC ACTUATOR VALVE
CTX™ INDIRECT VALVE GENERATION 3 - RE7250
COMPONENT DATASHEET

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Product Overview

The CTX Indirect Valve results from significant research & development, featuring a pressure differential & internal communication design. The valve is machined entirely of stainless steel. It comes complete with pressure indication via its pressure gauge and an integrated ball valve to control the communication with the detection tube.

Key Features

- High Grade Stainless Steel Material.
- 100% Non-Destructive Tested at 30 Bar.
- Sensitive Dynamic Reliable Operation.
- 4 x 1/4" BSPP Discharge Ports available.
- Pressure indicator as standard.
- Including a ball valve for system isolation
- Safety bleed off grooving.
- Shipped with transport caps.
- Anti-Tamper Lock for Ball Valve available.
- Can be combined up to 6 cylinders.

Common Applications

- Heavy Duty Mobile Vehicles
- Buses and Coaches
- Power Generators
- Server Cabinets
- Wind Turbines
- Sports Racing Cars or Boats
- Commercial Boats & Yachts

Reacton Cylinder Compatibility

- Dry Powder
- Wet Chemical
- Clean Agent
- Water
- Inert Gas



Mechanical Data

| | |
|--------------------------------|--|
| Material: | Stainless Steel Alloy 1.4305 |
| Finish: | Machined Stainless Steel |
| Marking: | Logo; Lot Number; Part Number |
| Weight: | 0.80kg |
| Electrical Connections: | N/A |
| Mechanical Connections: | M30 x 1.5 (Cylinder) M22 x 1.5 (Dip Tube) 1/8" BSPP (Ball Valve) 1/8" BSPP (Pressure Switch) x 2 M10 x 1 (Gauge) 1/4" BSPP (Discharge Port) x 4 |

Functional & Environmental Data

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|-------------------------------|---|
| Operating Pressure: | 15.0 barg @ 20°C [217.5 psig @ 68°F] |
| Operating Temperature: | -40°C* to +60°C [-40°F* to + 140°F] |
| Operation Cycles: | Single Use |
| Life Cycle: | 10 Years |

*Only Valid in conjunction with Dry Powder or Inert Gases

Performance Data

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|------------------------------|--|
| Vibration Resistance: | ISO 16750-3:2007 Test VII (96 hours @ 10-2000Hz) |
| Shock Resistance: | ISO 16750-3:2007 4.2.2.2 (Additional 5000 shocks @ 10g) |
| Thermal Resistance: | ISO 16750-3:2007 4.1.1 |
| Corrosion Resistance: | ISO 21207 & ASTM B117 |

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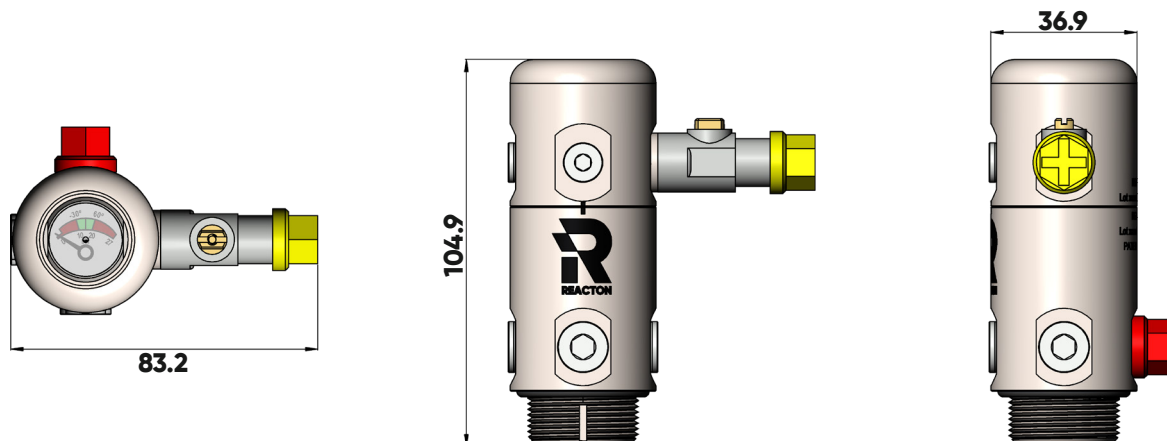
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Dimensions



*All dimensions in mm. The configuration shown in the above Figure is standard; please order extra if needed the detection tube and/or the pressure switch or any other variation as a custom-made build.

Principle of Operation / Purpose of use



The CTX Indirect™ system utilises the Reacton® tubing as a detection only device. The tubing is installed in and around the fire risk areas. When a fire occurs, the tubing will burst at the point of highest heat.

The pressure loss in this process causes the valve to open. This allows the extinguishing agent to be delivered through a network of braided hose or stainless steel tubing to strategically placed nozzles within the protected enclosure.

Design Considerations

Please read the relevant Design, Installation, Operation & Maintenance Manual for further support.

Warranty Validity & Precautions

The warranty is invalidated if the system or part is used under conditions other than those indicated in this datasheet or/and the product has been custom modified.

Stresses above the maximum limits indicated may cause permanent damage to the part or system. Exposure to absolute maximum rating conditions for extended periods may affect reliability that could compromise the system integrity and lead to loss of asset, serious injury or death.

Whilst Reacton has taken care to ensure the accuracy of the information contained herein it accepts no responsibility for the consequences of any use thereof and reserves the right to change the specification of goods without notice.