

Product Overview

The Manual Actuator's primary function is to provide means of actuation through manual intervention. The device can also act as an End of Line with Gauge (EOL)

The device is designed to be used in conjunction with Reacton® detection tube and is useful when line termination is needed. The device allows for initial charging, commissioning, and system pressure checks. All devices have an internal Schrader valve that allow for the safe removal of gauges and charging adaptors.

Key Features

- High Grade Stainless Steel Material
- Integrated pressure gauge and filling port
- Highly visible red actuation knob
- Safety clip prevents accidental actuation
- Bulkhead (Through – panel) connection

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:	Body: Stainless Steel Alloy 1.4305 Button: Aluminium Alloy 6063
Finish:	Body: Machined Stainless Steel Button: Anodised Red – RAL3000
Marking:	Part Number; Lot Number; Date
Weight:	0.23kg
Electrical Connections:	N/A
Mechanical Connections:	M10 x 1 (Gauge Port) 1/8" BSPP (Twinsel Connection) M16 x 1.5 (Bulkhead)

Functional & Environmental Data

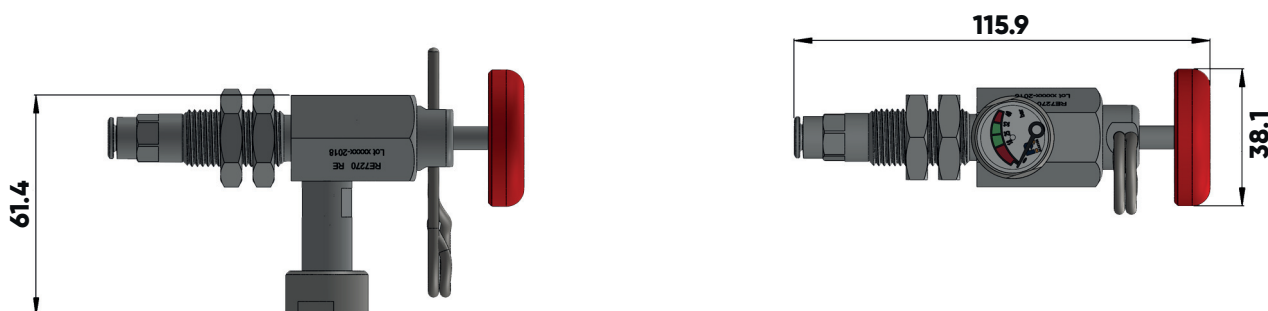
Operating Pressure:	15.0 or 25.0 barg @ 20°C [217.5 or 362.6 psig @ 68°F]
Operating Temperature:	-40°C* to +60°C [-40°F* to + 140°F]
Operation Cycles:	Unlimited (Diaphragm must be replaced after every manual activation)
Life Cycle:	10 Years

*Only Valid in conjunction with Dry Powder or Inert Gases

Performance Data

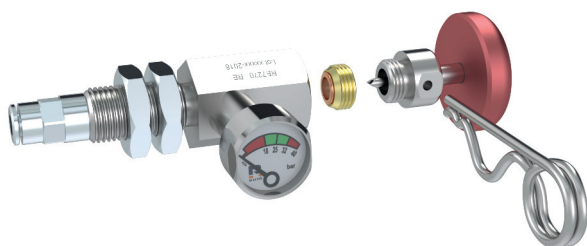
Internal Vol.:	Approx. 0.0502ml
Nitrogen Vol.:	Approx. 0.0012 ml
Strike Button Force:	80 N
Schrader Core Open Pressure	2.5 bar @ 20°C [36.2 psig @ 68°F]

Dimensions



*All dimensions in mm. The configuration shown in the above Figure is standard

Principle of Operation / Purpose of use



The Manual Actuator with Gauge is used when a termination of the detection line is need. It comes with a standard straight fitting that it can be changed to a tee or an elbow fitting to suit other application needs. The Pressure Indicator can be unscrewed giving access to the detection tube for pressurisation

The Manual Actuator is an essential component for system pressure monitoring, maintenance and commissioning. The Manual Actuator is only used with the CTX Indirect systems. Once actuated a replacement burst disc is required.

Part Numbers

RE7270	Reacton Manual Actuator
RE7254	Diaphragm M14 x 1.25

Compatibility List

Reacton® Tube R80 or R108 6/4mm or 8/6mm
Reacton® CTX Indirect Systems

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.