

## REACTON ACCESSORIES

### DRY POWDER NOZZLES - RE7145 - RE7154

#### COMPONENT DATASHEET

Page | 1



#### Product Overview

Reacton® recommends the use of precision engineered, specifically designed nozzles. The Reacton® Nozzle range control and distribute the agent in a uniform, predetermined pattern and rate.

All Nozzles are machined from stainless steel and specifically designed to give the best dispersion of extinguishing agent suiting the flow characteristics of the medium.

#### Key Features

- Designed and Tested specifically for the Fire Suppression Industry
- High Quality Stainless Steel
- Suitable with copper, brass, steel and aluminium pipework or hoses
- Comply with ISO 228 (BSPP)

#### Common Applications

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

#### Reacton Cylinder Compatibility

- ABC Dry Powder
- BC Dry Powder
- Class D Dry Powder



#### Mechanical Data

<b>Material:</b>	Stainless Steel 303
<b>Finish:</b>	Machined Stainless Steel
<b>Marking:</b>	Part Number; Lot Number
<b>Weight:</b>	0.035kg
<b>Electrical Connections:</b>	N/A
<b>Mechanical Connections:</b>	3/8" BSPP

#### Functional & Environmental Data

<b>Operating Pressure:</b>	15.0 or 25.0 barg @ 20°C [217.5 or 362.6 psig @ 68°F]
<b>Operating Temperature:</b>	-40°C to +60°C [-40°F* to + 140°F]
<b>Operations Cycles:</b>	Unlimited
<b>Life Cycle:</b>	10 Years
<b>Standard:</b>	All Threads cylindrical ISO 228 (BSPP)
<b>Compliance:</b>	ISO 8434-6/BS5200

#### Performance Data

<b>Vibration Resistance:</b>	ISO 16750-3:2007 Test VII (96 hours @ 10-2000Hz)
<b>Shock Resistance:</b>	ISO 16750-3:2007 4.2.2.2 (Additional 5000 shocks @ 10g)
<b>Thermal Resistance:</b>	ISO 16750-3:2007 4.1.1
<b>Corrosion Resistance:</b>	ISO 21207 & ASTM B117
<b>Discharge Profile:</b>	Please consult relevant Design, Installation, Operating & Maintenance Manual

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Reacton Fire Suppression Ltd

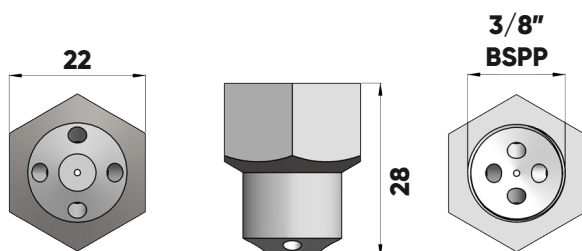
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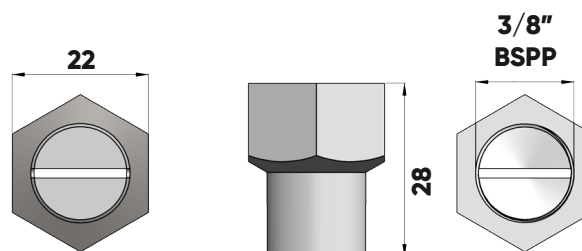
W: [www.reactonfire.com](http://www.reactonfire.com)

**REACTON**  
FIRE SUPPRESSION

**Dimensions**



**RE7145 - LR Type Powder Nozzle**



**RE7154 - FF Type Powder Nozzle**

\*All dimensions in mm. Tolerance is  $\pm 0.50\text{mm}$  on the dimensions above.

**Principle of Operation / Purpose of use**



The Reacton® Nozzle range control and distribute the agent in a uniform, predetermined pattern and rate. All the Reacton® Nozzles can be used with or without the Component brackets. For optimum performance Reacton recommends to always fit 3/8" Hoses with the 3/8" fittings and adaptors. Please choose accordingly to the correct fittings and combination of pipework for use, it is highly recommended reading Reacton's installation manual.

**Powder Nozzle Range**

Part Number	Description
<b>RE7145</b>	3/8" BSPP - LR Type Powder Nozzle
<b>RE7154</b>	3/8" BSPP - FF Type Powder Nozzle

**Design Considerations**

Please read the Reacton® installation manual for the equivalent Fire Suppression System you are installing for more details.

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**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.