

Type DN-5 Corrosion Resistant Duct Nozzle, Open Medium Velocity

General Description

The TYCO Type DN-5 Corrosion Resistant Duct Nozzle is an open (non-automatic) directional spray nozzle designed for use in water spray fixed systems for fire protection applications in extremely corrosive duct environments. It is an external deflector type nozzle that discharges medium velocity water droplets.

The Type DN-5 Corrosion Resistant Duct Nozzle is effective in discharging water to vertical, horizontal, curved, and irregular shaped surfaces within a duct to achieve fire suppression and potential extinguishment.

The Type DN-5 Corrosion Resistant Duct Nozzle is equipped with a snugly fitting Blow-Off Plug which protects the system piping from intrusion of corrosive gases as well as the accumulation of debris within the nozzle orifice.

NOTICE

The TYCO Type DN-5 Corrosion Resistant Duct Nozzle described herein must be installed and maintained in compliance with this document, FM Global Property Loss Prevention Data Sheets, the applicable standards of the NATIONAL FIRE PROTECTION ASSOCIATION (NFPA), in addition to the standards of any other authorities having jurisdiction. Failure to do so may impair the performance of this device.

IMPORTANT

Refer to Technical Data Sheet TFP2300 for warnings pertaining to regulatory and health information.

Always refer to Technical Data Sheet TFP700 for the "INSTALLER WARNING" that provides cautions with respect to handling and installation of sprinkler systems and components. Improper handling and installation can permanently damage a sprinkler system or its components and cause the sprinkler to fail to operate in a fire situation or cause it to operate prematurely.

The owner is responsible for maintaining their fire protection system and devices in proper operating condition. The installing contractor or nozzle manufacturer should be contacted with any questions.

In all cases, the appropriate FM Global Property Loss Prevention Data Sheets, NFPA standards, or other applicable standards, must be referenced to ensure applicability and to obtain complete installation guidelines. The general guidelines in this data sheet are not intended to provide complete installation criteria.

Technical Data

Approvals
FM Approved

Pipe Thread Connections
1/2 in. NPT

Discharge Coefficient
K = 6.0 gpm/psi^{1/2} (86,5 lpm/bar^{1/2})

Minimum Operating Pressure
15 psi (1,0 bar)

Maximum Continuous Operating Temperature
150 °C (302 °F)

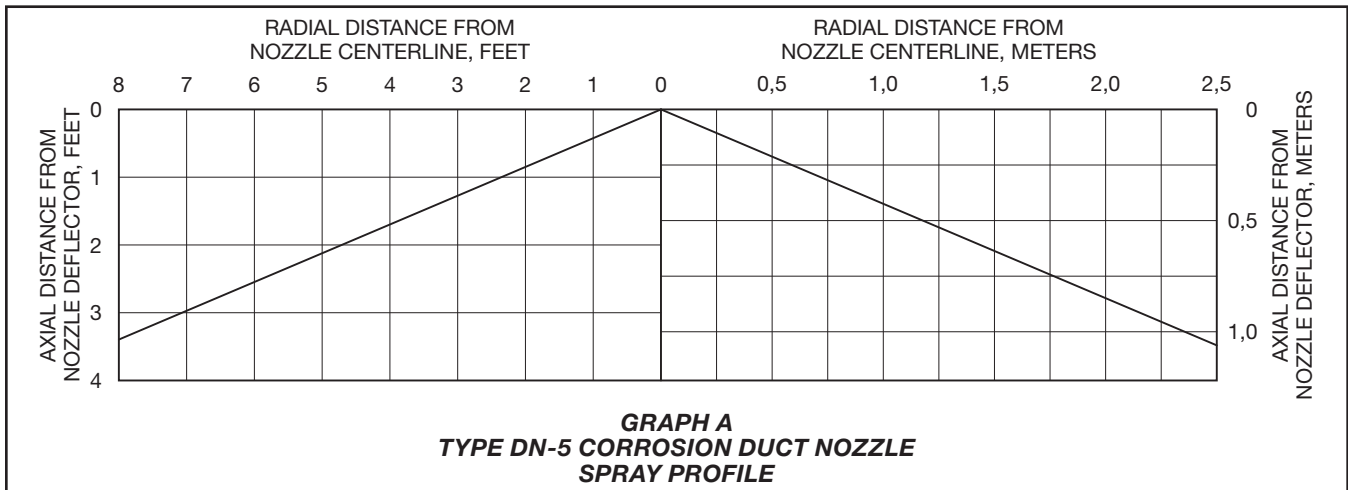
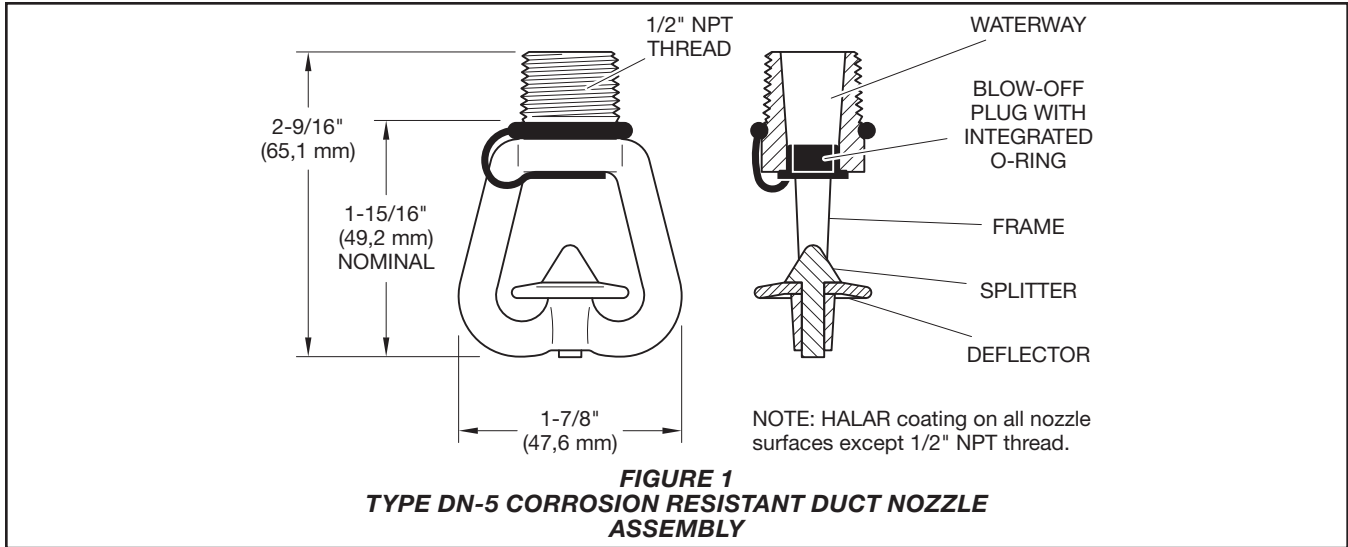
Coating
HALAR (ECTFE)

Physical Characteristics
Frame Stainless Steel
Deflector Stainless Steel
Splitter Stainless Steel
Blow-Off PlugTECONFLON Fluoroelastomer



Design Criteria

Obtain guidance for use of the TYCO Type DN-5 Corrosion Resistant Duct Nozzle in a deluge system protecting ventilation ductwork handling corrosive gases from the Technical Services Department.



Care and Maintenance

The TYCO Type DN-5 Corrosion Resistant Duct Nozzle must be maintained and serviced in accordance with this section.

The Type DN-5 Nozzles must never be painted, plated, coated or altered in any way after leaving the factory; otherwise, the effectiveness may be impaired.

Care must be exercised to avoid damage to the nozzles before, during, and after installation. Type DN-5 Nozzles damaged by dropping, striking, or the like, must be replaced.

The owner is responsible for the inspection, testing, and maintenance of their fire protection system and devices in compliance with this document, FM Global Property Loss Prevention Data Sheets, the applicable standards of the NATIONAL FIRE PROTECTION ASSOCIATION, in addition to the standards of any other authorities having jurisdiction. The installing contractor or nozzle manufacturer should be contacted with any questions.

Limited Warranty

For warranty terms and conditions, visit www.tyco-fire.com.

Ordering Procedure

Contact Johnson Controls Customer Service for availability.