Directional Spray Nozzle

- Model No.7020
- Medium Velocity Water spray
- Size ½" to1" NPT

Application:

- The Model 7020 spray nozzles are open (non-automatic) directional spray nozzles and are designed for use in water spray fixed systems for fire protection applications. They are external deflector type nozzles that discharge a uniformly filled cone of medium velocity water droplets.
- The 7020 Nozzles are effective in covering exposed vertical, horizontal, curved, and irregular shaped surfaces in a cooling spray to prevent excessive absorption of heat from an external fire and possible structural damage or spread of fire to the protected equipment.
- The Type 7020 nozzles are available in a wide variety of orifice sizes and spray angles (included angle of discharge) to provide versatility in system design.
- These spray nozzles are using in off-shore platforms, Refineries, Power Station, LPG & LNG Plants, Spherical Tanks

Features and Benefits:

- Minimum Flow Rate of Spray Nozzle:
- The minimum flow rate of each spray nozzle with different K-Factor determined with following equation:
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- Flow (Lpm) = K-Factor ´
- P =Minimum pressure = 1 Barg. (Recommended)
- The range of pressure = 1.0 to 5.0 Barg.
- Recommended Pressure 1.5 to 3.5 Barg.
- A= Spray Angle
- D =Spray Distance from wall side
- Theoretical Coverage Distance = (2×D) × tan(A)
- B=Wet aCoverage Distance = 0.8(2×D) ×tan(A)