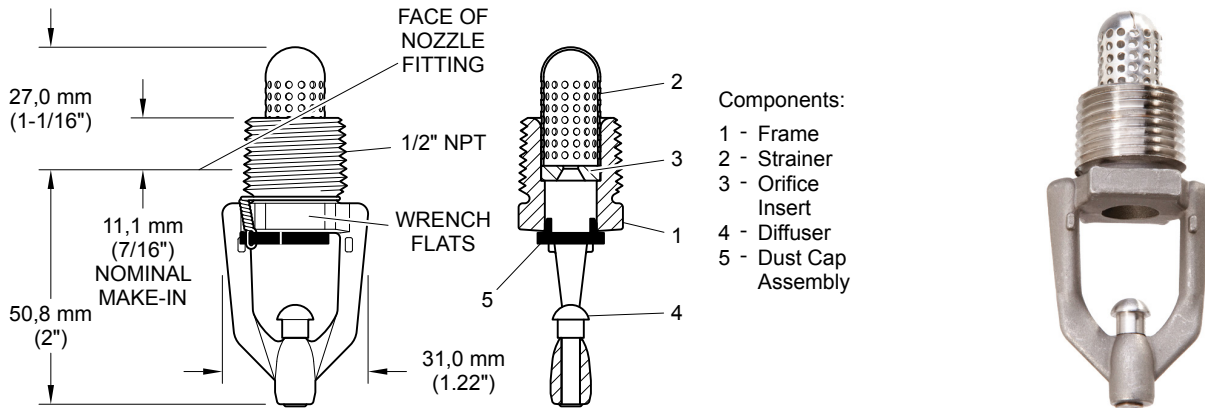


The TYCO AquaMist Type AM31 Nozzle is a stainless steel, open (non-automatic) pendent nozzle intended for use with engineered water mist deluge systems. It is a water mist nozzle which utilizes a single fluid jet impinging on a diffuser to produce a spray having a range of water droplet sizes suitable for the extinguishment of Class K fires within industrial frying equipment.



Specification	Description
Approvals	Component of the FM Approved water mist system for IFP Application
Minimum Working Pressure	See specific application Design, Installation, Operation and Maintenance Manual TFP2240
Maximum Working Pressure	17,2 bar (250 psi)
Discharge Coefficient	$K = 4,3 \text{ LPM}/\text{bar}^{1/2}$ ($K = 0.30 \text{ GPM}/\text{psi}^{1/2}$)
Thread Connection	1/2 in. NPT
Finish	Stainless Steel

Table A: Technical Data

Part	Material	Notes
Frame	Stainless Steel	
Strainer	Stainless Steel	1,5 mm (0.059 in.) nominal diameter perforations
Orifice Insert	Stainless Steel	3,3 mm (0.130 in.) nominal diameter waterway (orifice)
Diffuser	Stainless Steel	
Dust Cap	Fluorosilicone	

Table B: Physical Characteristics

Description	P/N
Type AM31 AquaMist Nozzle	28229
Type AM31 AquaMist Nozzle with Dust Cap	28250
Replacement Model F885 Dust Cap Assembly	28247 (Refer to TFP2299 for installation instructions)
W-Type 6 Wrench	560006387

Table C: Part Numbers