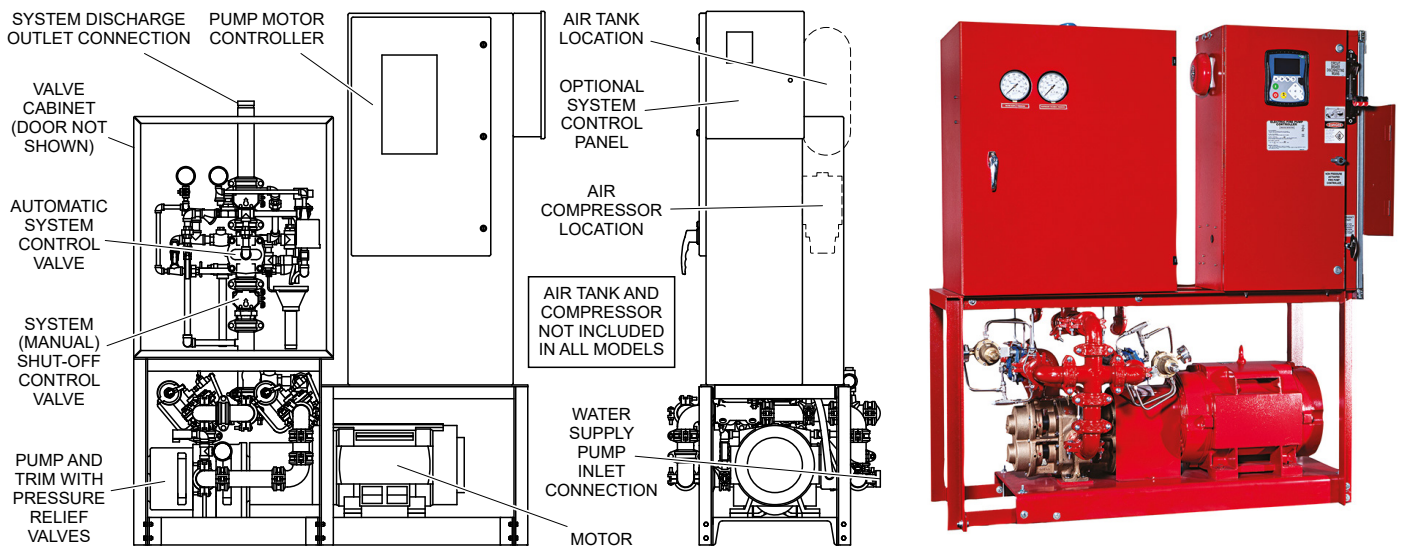


The TYCO AquaMist Mist Control Center (MCC) Pump Skid Unit is a pre-assembled, self-contained, control center for Ultra Low Flow (ULF) AquaMist Systems. The compact pump skid unit, which has been pre-wired and pre-piped, is designed for ease of installation and to reduce time and labor required for field installation. The MCC is factory assembled and functionally tested, ready to connect to the system and an adequate water supply.

This unit consists of a positive displacement pump coupled to an electric motor which is factory wired to a full service motor controller. The pump discharge is connected to a pressure regulating loop which redirects unused water to the pump inlet, to a thermal relieving device which provides cooling to the recirculated fluid, and to a pressure relieving loop which will direct water to the pump inlet in the event of a blockage of flow.



Approvals

The MCC is a component of an FM Approved TYCO AquaMist system when configured as wet pipe, deluge, and single interlock preaction. **Note:** Double Interlock Preaction configuration is not FM Approved, but can be used in Performance Based Design or other applications. All cabinets, skids, and enclosures which incorporate FM Approved components, as well as commercial-off-the-shelf industry accepted components, meet the requirements of NFPA 750 and NFPA 20.

Application	Design, Installation, Operation and Maintenance Manual
Non-Storage Occupancies, Hazard Category 1 (HC-1)	TFP2230
Data Processing Equipment Rooms/Halls	TFP2233
Machinery and Combustion Turbines in Enclosures	TFP2234
Industrial Fryer Protection (IFP)	TFP2240

Table A: FM Approved Applications

Model Specification	MCC-1, 2 and 3	MCC-A, B and C
Maximum System Pressure	17,2 bar (250 psi)	12,1 bar (175 psi)
Maximum Working Pressure	16,5 bar (240 psi)	11,7 bar (170 psi)
Minimum Inlet Supply Pressure	0 bar (0 psi)	0 bar (0 psi)
Minimum Inlet Supply Capacity	Match system design calculations	
Minimum Ambient Temperature	4°C (40°F)	

Table B: Technical Data

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