

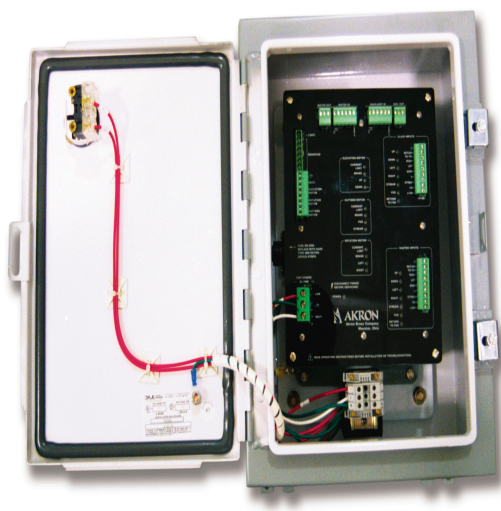


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Conquest Remote Control Monitor System

STYLE 3678



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The system should consist of the following components, monitor, nozzle and Control system.

- Monitor – Shall be ATEX approved for all gas groups II 3 G Ex nR IIC T6 Gc. Also FM approved for Class 1, Div. 2, Group C & D locations. Cast Brass construction with a maximum flow of 7600 LPM (2000GPM), 4" FF 150 lb. Flange inlet x 3 1/2" NH outlet with a 4" internal water way with cast in turning vanes, 340° rotation and +90° above horizontal to -85° below horizontal. Monitor shall have hard wired AC drive motors to be enclosed in a cast brass housing with manual override.

Temperature range from -40C to +60 C (-40F to 140F)

- Nozzle – Shall be a pressure balanced or fixed flow nozzle (Must specify). Shall be ATEX approved for all gas groups II 3 G Ex nR IIC T6 Gc. Also FM approved for Class 1, Div. 2, Group C & D locations. Cast Brass construction with flows between 1900 -7600 LPM (500 - 2000GPM). Nozzle to have hard wired AC drive motor to be enclosed in cast brass housing with manual override.
- Motor Control Unit – Shall be 120-600VAC 50/60 Hz and have three axis motor drive, line filter and terminal strip. It should have the following operator inputs, Left/Right, Up/Down, Stream /Fog from master or slave control inputs. It should have the following features, 120VAC LED power indicator, LED input and output indicators on drive, LED status for trouble shooting, 120VAC Line filter, 5 Amp slow blow fuse, internal hermetically sealed relays for water on/off, foam (Aux) on/off. Axis drive unit is a self-contained unit for easy repair or replacement. FM approved for: Class 1, Div. 2, Group C&D locations.

Also rated: ATEX Zone 2, II 3 G Ex nAnC IIC T6 Gc.

- Master Control Panel - The Master Control Panel will contain (Must Specify Qty. of stations) monitor control stations and use 24VDC control voltage supplied from the motor control unit.

Controls include: Power on/off selector switch with pilot light, Joystick for left/right and up/down operation, Set of fog/straight stream pushbutton switches, set of water on/off pushbutton switches (for Class 1, Div. 2, Group C & D locations). Power on/off selector switch with pilot light, pushbuttons for left/right and up/down operation, Set of fog/straight stream pushbutton

switches, Set of water on/off pushbutton switches (for ATEX Zone 2, II 3 G Ex nAnC IIC T6 Gc. The enclosure will be, NEMA 4X, (Increased Safety for ATEX) and made of stainless steel.

Panel is pre-wired to a numbered terminal strip. Rated for Class 1, Div.2, Group C&D locations. Rated for: ATEX Zone 2 Locations

- Single Station Control Panel - The Local Control Panel will contain (1) monitor control station and use 24VDC control voltage supplied from the motor control unit. Controls include: Power on/off selector switch with pilot light, Joystick for left/right and up/down operation, Set of fog/straight stream pushbutton switches, set of water on/off pushbutton switches (for Class 1, Div. 2, Group C & D locations).

Power on/off selector switch with pilot light, pushbuttons for left/right and up/down operation, Set of fog/straight stream pushbutton switches, Set of water on/off pushbutton switches (for ATEX Zone 2, II 3 G Ex nAnC IIC T6 Gc. The enclosure will be, NEMA 4X, (Increased Safety for ATEX) and made of stainless steel.

Panel is pre-wired to a numbered terminal strip. Rated for Class 1, Div.2, Group C&D locations. Rated for: ATEX Zone 2 Locations