MELTRIC PRESENTS...

HVAC 'QUICK DISCONNECT' PLUG

A NEW ALTERNATIVE TO TRADITIONAL DISCONNECT SWITCHES

➡ Increase Maintenance Efficiency

Safely disconnect and connect loads and quickly service equipment without needing an electrician on site.

➡ Ensure Arc Flash Protection

Prevents exposure to arc flash and live parts, simplifies NEC and NFPA 70E compliance

➡ Provide Safety of a Switch

UL/CSA listed switch mechanism enables safe make and break of loads up to 200A, 75hp. Eliminates need for auxiliary switches.

Switch-Rated 'Quick Disconnect' plugs and receptacles are a better alternative to non-fused switches for HVAC applications.

Ideal for connecting power to...

AIR HANDLING UNITS

For NEC code compliance

UNIT HEATERS

For plug and play installation

PUMPS

For easy motor change-outs

PORTABLE EQUIPMENT

For arc flash protection

MELTRIC
A COMPANY OF MARECHAL ELECTRIC

Case Study: ROOFTOP EXHAUST FAN CONNECTIONS AT LAB FACILITY

Meeting NFPA 70E Safety Requirements

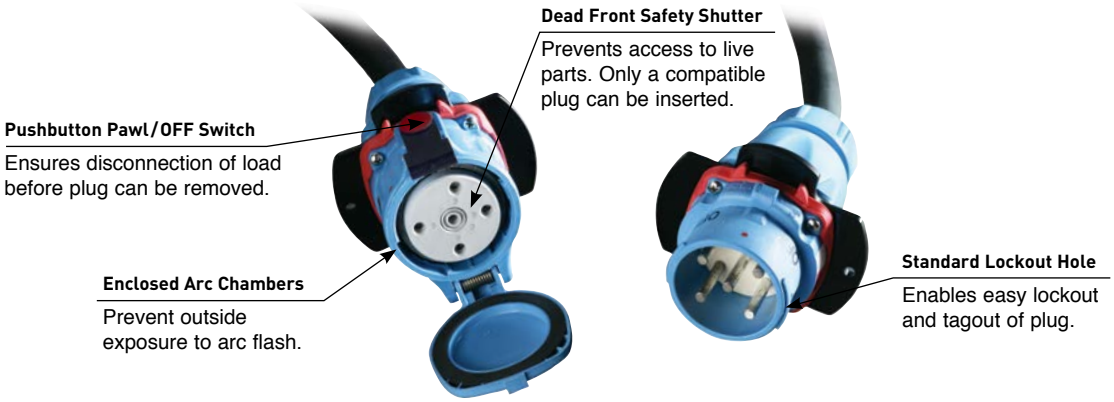
Many facilities have rooftop exhaust fans that require service, sometimes at the most inconvenient time. The NFPA 70E Standard for Electrical Safety in the Workplace requires the establishment of an electrically safe work condition at the fan before the service work is initiated. This includes properly interrupting the load current, visually verifying that all blades of the disconnecting device are open, and applying lockout/tagout devices.

Due to the potential exposure to live parts and arc flash during exhaust fan service work, an electrician must first deenergize the fan. Voltage testing is usually required to verify deenergization and since it potentially exposes workers to live parts, NFPA 70E requires workers to wear appropriate PPE.

Simplifies Rooftop Exhaust Fan Service

A better alternative to hardwired disconnect switches is MELTRIC's Switch-Rated plugs and receptacles which are used to connect power to electrical equipment. With Switch-Rated plugs & receptacles installed a technician can quickly and safely disconnect, repair or replace, and then reconnect exhaust fan motors. There is no need to climb up and down ladders to turn off remote disconnect switches, instead MELTRIC devices are used to switch off the fan. And there is no need to wear cumbersome PPE while deenergizing because the safety shutter on the receptacle prevents access to live parts and once the plug and receptacle are disconnected they provide visual proof of equipment deenergization.

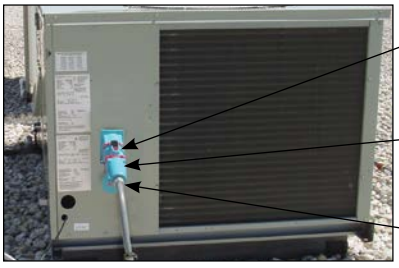
"With the MELTRIC connector installed there is no need to physically mount a disconnect within sight for smaller motors on the roof so this is a good solution for us" said Monique Newell, a maintenance specialist at Scientific Protein Laboratories (SPL)



MELTRIC ADVANTAGES OVER TRADITIONAL HVAC SWITCHES

Switch-Rated plugs and receptacles eliminate the need for costly, hard to locate disconnect switches. They also simplify NFPA 70E code compliance because the safety shutter on the power connector prevents access to live parts and ensures worker safety during the equipment changeout process.

SWITCH-RATED PLUG/RECEPTACLE



Male inlet is easy to mount due to small mounting surface requirements.

Once removed, connector provides visual verification of deenergization. Male inlet can be locked and tagged out.

Enables plug and play equipment installation, no hardwiring required.

NON-FUSED DISCONNECT SWITCH

Danger: Exposure to live parts. NFPA 70E requires PPE.

Larger mounting surface requirements

Requires hardwiring during installation or replacement.

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