



MYERS®

Specifications
Three-Phase Control Panel
(For WG20, WG30-50, WG30-75H, 3RH, 4WHV,
4V, 4R, 4/6VH, 4RH, 4/6VC and 8/12VL
Simplex/Duplex Systems)

A NEMA 3R steel control panel shall be furnished with each pumping unit to be installed, as shown on the plans.

All electrical components shall be mounted in a NEMA 3R enclosure. The enclosure shall be 14 gauge galvanized steel and shall have a hasp for padlocking (padlock not included).

A separate hinged dead front inner door shall be provided in the enclosure. All control switches, lights and overload resets shall be mounted through the inner door. The pump circuit breaker and control circuit breaker shall be mounted with operating handles through the inner door, and shall have locking tabs that prevent the inner door from being opened with the breakers in the "ON" position.

Both the inner door and the back panel shall be a minimum of 14 gauge steel, and shall be painted on both sides with a white enamel finish.

The panel shall include a pump circuit breaker, control circuit breaker, alarm circuit fuse, control circuit fuse, IEC rated motor starter with 3-pole ambient compensated bimetal overload relay, pump hand-off-auto switch (momentarily in the hand position), alarm test switch, pump run lights, seal leak lights, control transformer with primary fusing, terminal blocks, ground lugs and all necessary wiring and brackets. Duplex system to also include alternator relay (solid state) and override relay.

The control panel shall be fitted with a red Lexan® (polycarbonate) alarm light. The light shall be approximately 3" high by 3-1/2" diameter. The globe shall be mounted on top of the enclosure with a neoprene gasket. The lens cannot be removed from the exterior of the enclosure. The lens may be removed by entering the interior of the enclosure and removing four (4) #8 screws. The bulb shall be 25 watt minimum high intensity, medium base type. The bulb shall be easily replaced by removing a thumbscrew from the support bracket on the interior of the panel.

The alarm shall have a bright glow and flash during high water conditions. The alarm light will go out when the water level drops.

All internal wiring shall be neat and color-coded. Each wire shall be a different color or stripe (except for ground), and all incoming wires shall terminate into a box clamp type terminal block. All control wires shall be 14 gauge type TEW rated for 105°C.

A schematic diagram (showing wire color) shall be permanently fastened to the inside of the enclosure. An Installation and Service Manual shall also be included with each control panel.

The control panel shall be UL Listed as an assembly.