



**.1 General Information**

- .1 This section is for equipment and installation for ground fault circuit interrupters (GFCI).
- .2 The use of GFCI receptacles is also required for use within 1.5m of sinks in laboratories and washrooms.

**.2 Materials**

- .1 Equipment and components for ground fault circuit interrupters (GFCI): to CAN/CSA-C22.2 No.144.
- .2 Components comprising ground fault protective system to be of same manufacturer.

**.3 Breaker Type Ground Fault Interrupter**

- .1 Single or Two pole ground fault circuit interrupter for 15-20 A, 120 V, 1 phase circuit c/w test and reset facilities.

**.4 Ground Fault Life Protector**

- .1 100 A, 2 pole circuit breaker to supply power to mains of 100 A, 208 V, 3 phase panel and complete with, automatic shunt trip breaker, zero sequence current sensor, facilities for testing and reset, CSA Enclosure 1, surface mounted, and ground fault trip indicator light.

**.5 Ground Fault Protector Unit**

- .1 Self-contained with 15 A, 120 V circuit interrupter and duplex or single receptacle complete with solid state ground sensing device, facility for testing and reset, and CSA Enclosure 1, flush mounted with stainless steel face plate.

**.6 System Ground Fault Protection Panel**

- .1 Self-contained panel suitable for 120/208 V, 3 phase, 4 wire, grounded supply with automatic 100 or 225 A breaker with shunt trip, ground fault relay factory set at 10 mA with inverse time delay characteristics from pick-up 1 s to 0.025 s, zero sequence current sensor, provision for testing and reset, and CSA Enclosure 1, surface mounted.

**.7 Pump Protection Panel**

- .1 Ground fault personnel protection shall be provided for pump control panel circuits rated for 20 hp at 208 V 50 hp at 600 V, 3 phase grounded supply with test button, ground indicator light, reset button, line and load terminal blocks and control terminal block for wiring to starter control, unit sensitivity: 10 mA, and CSA Enclosure 1, surface mounted, contact rating: 5 A, 120 V, 60 Hz.