

Munro Pump Control Panels

Housed in NEMA 3R rainproof and sleet-resistant enclosures, Munro Pump Control Panels feature combination starters to provide flexible control options, while protecting against short circuit and overload conditions.

- Convenient straight-through wiring – top-line and bottom-load connections offer easily accessible pressure connections for line, load, and control
- Overload relays with trip indication – featuring bimetallic operation with ambient compensation and either manual or automatic reset
- Factory-wired starter and disconnect

STEP DOWN TRANSFORMER TO 24VAC – for safety

LOCKABLE ENCLOSURE – NEMA 3R rainproof and sleet resistant construction with a lockable door, stainless steel latches and special corrosion resistant paint.

HAND/OFF/AUTO (HOA) SELECTOR SWITCH – Heavy-duty unit mounted on the door of the enclosure for outside accessibility.

External reset button

UL Listed as “Suitable for Use as an Industrial Control Panel.”

DRIP SHIELD OVER DOOR OPENING – for added weather protection. Top mounting conduit hubs provided.

Circuit block

Fuse block

Grounding provision

MOTOR CIRCUIT PROTECTOR – Features an magnetic trip characteristic for accurate, dependable fault protection and simultaneous trip of all poles to prevent single phasing.

Optional SmartBox Feature



BIMETALLIC AMBIENT COMPENSATED OVERLOAD RELAYS – Covering applications up to 200 HP.

Ample space provided for optional features.

TERMINAL BLOCK – Provides various start options



Did You Know?
Panels with “Soft-Starts” are also available.



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Standard Features Include:

- Nema 3R enclosure
- Main circuit breaker
- IEC contactor
- Adjustable thermal overload protection
- External reset pushbutton
- Fused control circuit
- Hand-Off-Auto (HOA) selector switch
- Terminal block for connection of remote control device (low pressure switch)
- NOTE – “MPLC” model numbers designate the use of an optional SmartBox™ pump protection system.

Overload Relay Features

Designed for 2,000,000 electrical operations and 20,000,000 mechanical operations through 20 hp at 460v. Solid state adjustable relays are available for single-class motors up to 10 hp at 230v, and for 3-phase motor applications from fractional horsepower.

- Single-phase and phase unbalance sensitivity for 3-phase units
- Ambient temperature compensated
- Adjustable trip current
- Overload trip indication
- Manual/Auto reset
- Electrically isolated NO-NC contacts

SmartBox™ Optional Features

The Munro SmartBox option offers a preset pressure sensor (preset at 20psi) that alerts the control system of potential pump damage due to loss of prime or run-dry.

Specifications

Approximate Weight lbs	Voltage	Phase	HP	Max Amps	Size in	SmartBox Option	Model Number		
43	230	1	3	17	24x20x8		MPCPG2103		
			5	28			MPCPG2105		
			7.5	40			MPCPG2107		
			10	50			MPCPG2110		
			3	17			√	MPLCCPG2103	
		5	28	√		MPLCCPG2105			
		7.5	40	√		MPLCCPG2107			
		10	50	√		MPLCCPG2110			
		3				3	9.6	MPCPG2303	
						5	18.2	MPCPG2305	
	7.5				22	MPCPG2307			
	10				28	MPCPG2310			
	15				42	MPCPG2315			
	20				54	MPCPG2320			
	480				3		3	4.8	MPCPG4303
							5	7.6	MPCPG4305
		7.5	11	MPCPG4307					
		10	14	MPCPG4310					
15		21	MPCPG4315						
20		27	MPCPG4320						

Contact Munro for other panel sizes