

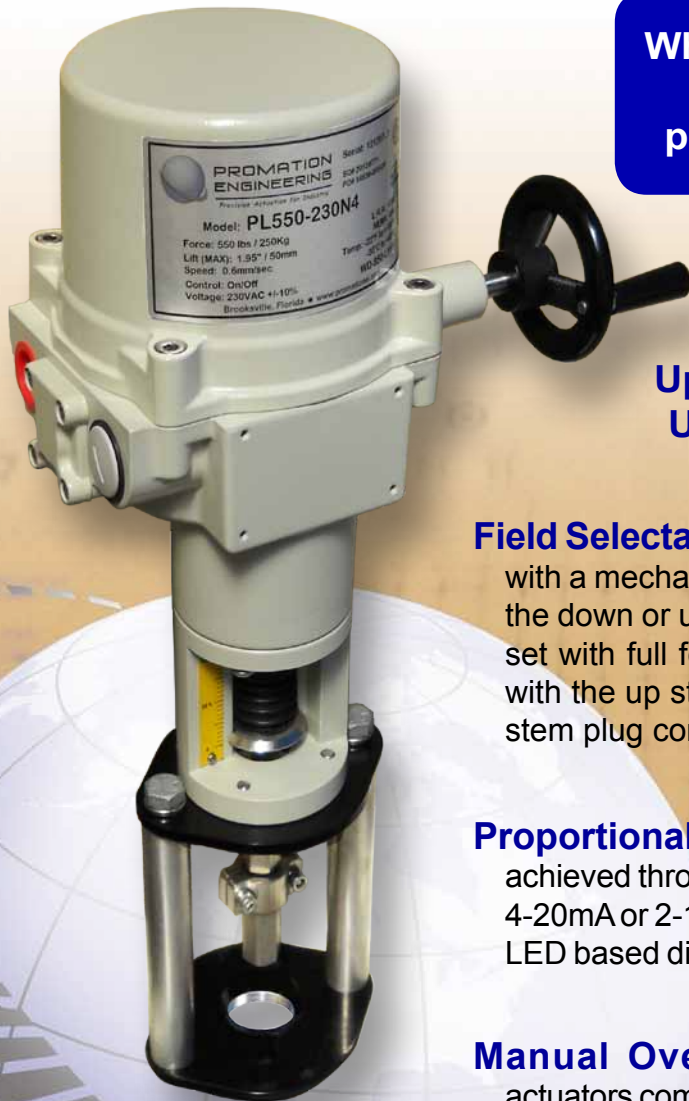


PROMATION ENGINEERING

Precision Actuation for Industry

ProMation Engineering PL Series linear electric actuators.

Why compromise and use a butterfly valve when you can have the precision control of a globe valve?



PL550 Linear Actuator
with example Linkage

Up to 4400 lbs (19.57 kN) of force
Up to 3.9 inches (100mm) travel

Field Selectable Stops - Travel stops can be set by location with a mechanical switch or by a rated force switch, either on the down or up stroke. For example, the down stroke can be set with full force for consistent seating regardless of wear with the up stroke set by a mechanical switch to protect the stem plug connection.

Proportional Control - Precision proportional control is achieved through a microcontroller based control system with 4-20mA or 2-10 VDC input and feedback; AutoCalibration and LED based diagnostic indicators, to name just a few features.

Manual Override - All ProMation Engineering linear actuators come with a standard disengagable manual override that allows fast and simple manual positioning.

Critical Applications

PL550/1100 Linear Actuator Linkage example

Critical flow applications are those where the downtime of the process far exceeds the cost of the control equipment. These include:

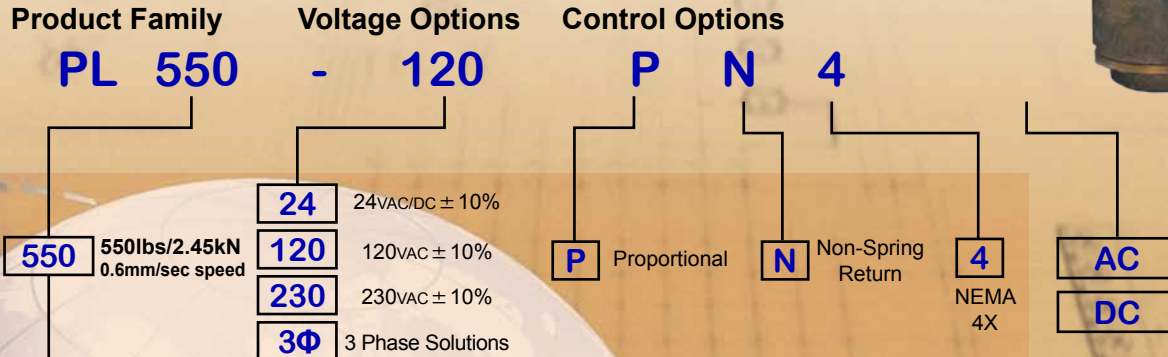
- Precise control of cooling water flow in large globe valves for data centers
- Controlling quenching water in continuous steel production where rate of water flow determines the crystalline structure of steel
- Control of solutes in pharmaceutical processing
- Control of cooling water for marine engine operation
- Large diameter damper systems for scrubber systems

Features:

- Self Locking Drive
- NEMA 4/4X cast Aluminum Alloy housing
- RuggedBoard Design for internal electrical connections
- Internal Heater standard
- Internal Motor Thermal protection (230°F / 110°C)
- Easy-to-see Stem Position indicator



Product Ordering Example:



Not all combinations are possible. 3 Phase models utilize a Local Control Station housing a transformer which supplies single phase power to the actuator.

Product Family	Force Up and Down lbs	Force Up and Down kN	Runtime (sec)	Stroke Length (in/mm)	Actuator * Height (in/mm)	Weight * (lbs/kg)
PL550	550	2.45	83	1.97 / 50	9.10 / 232	23 / 11
PL1100	1100	4.89	83	1.97 / 50	9.10 / 232	23 / 11
PL2200	2200	9.79	200	3.94 / 100	13.02 / 330	62 / 28
PL4400	4400	19.57	200	3.94 / 100	13.02 / 330	62 / 28

* without linkage

ProMation Engineering follows a policy of continual product updates and enhancements. Our website is the best place to obtain the latest product documentation, including the wiring diagrams for these controllers. Please call or visit us at www.promationei.com or use the code to link to the site.

