



Architectural Specifications

SupraLift II™ Air-Powered Door Opener

Provide **Supralift™ II- Air- Powered Garage Door Opener** as manufactured by **American Garage Door Supply, Inc.** 1225 Industrial Park Dr., Bemidji, MN 56601. (1-800-233-1487) Operators to have the following specifications.

Operation:

Operator to open and close door smoothly and safely with optimum speed using 40-90 PSI. regulated air pressure. Product will accelerate and deaccelerate at top and bottom of cycle to maintain minimum shock to door. Operator to interface with existing car wash or other specified equipment.

Cylinder Construction:

Cylinder to be manufactured with fine hard (60 RC) high strength aluminum alloy. Both exterior and interior surfaces to be anodized finish for maximum corrosion resistance and long life. Cylinders to be pre-lubed from the factory for the life of the operator.

Pistons/End Caps:

Pistons, top and bottom caps to be constructed with anodized aluminum alloy for durability and reliable service

Removeable Top Cap and Seal:

Top cap to include removable bushing for easy service and replacement of lip wiper and rod glands when the opener is in an installed position.

Piston Rods:

Piston rods to be manufactured with heavy-duty 5/8" polished stainless steel with threaded end for ease of adjustment. Posi-lock aluminum chain collar with stainless steel set screw to provide positive locking of chain.

Stainless Steel Mounting Brackets:

Adjustable mounting brackets to be manufactured with heavy duty 12 Ga. 304 grade stainless steel and will mount to track and wall angle of door assembly.

Flow Control Assembly:

Individual flow controls to be provided with stainless steel mounting plate to allow intake and exhaust of opener to be mounted away from the doorway. Flow controls to allow adjustable exhaust airflow and unrestricted air intake for optimum performance and durability.

Chain:

Drive chain to be waterproof coated for corrosion resistance.

Control Box:

Control box to be constructed of tough, NEMA-4X water resistant fiberglass box to prevent moisture damage to valve and electrical components. Control Box will have 115V. Primary power with fused 24 V. control circuit with momentary dry contacts for ease of integration with carwash and other equipment. Terminal strip to provide multiple connections for accessories and equipment tie-in's. Photoeye socket pre-wired for easy installation of photoeyes.

Fittings:

All fittings to be of quick connect type for easy installation, service and maintenance.

Push Buttons:

NEMA-4 Push buttons to be mounted on the face of the control box with double sealed construction for moisture resistance. Open push button to be dual electrical/pneumatic for actuation as emergency open button in case of emergency.

Valve:

To be lube free type for low maintenance and service with quick connect fittings for easy air hook-up. Noise mufflers to be provided for outside control box installation to dampen exhaust noise through the valve. Valve coils to provide lifetime warranty.

Shut-Off Valve:

Shut-off valve to be provided for safe service of unit and provide manual operation of door for power-off and emergency use.

Installation:

Installation to be performed in a workmanlike manner in accordance with American Garage Door Supply's standards and instructions.

Serviceability:

Operator to be field serviceable for replacement of piston and top and bottom seals.

Optional Specifications:

Waterproof Chain:

Provide Hi-Guard Waterproof chain for maximum corrosion resistance.

Emergency Open Control Box:

Include emergency open control box for emergency use.

Photo-eyes:

Provide synchronized NEMA-4 Waterproof through-beam photoelectric using separate amplifier for non-impact reversal of doors when object is under doorway. Stainless steel mounting brackets are adjustable for diagonal mounting.

Inline Dryer:

Include point of equipment dryer to remove moisture build up in airlines.

Timers:

Provide adjustable timer in control box for timed signaling of operator

Control Stations:

Select from NEMA-1 standard or NEMA-4 waterproof control stations with 1, 2, or 3-button capability.