

Ultimate Air Power!

**Now you can operate
any door
better, faster
and safer,
with an
air powered
door operator
from Ultimate Products**

ULTIMATE
HVAC & DOOR PRODUCTS INC.

Ultimate Air Power!

With Ultimate Products' Ultimate Air Power Operator,
Old doors operate like new, new doors operate better than ever!

■ Safer and Stronger

- Instant reverse at the control switch
- No motors, gears or pulleys to burn out, bind or break

■ Cost Cutting

- Operates door three times faster than electric
- Typical 10-foot door cycles from closed to fully open in 5 seconds

■ Easier on Doors

- Operators gently accelerate at the beginning of each cycle and gently decelerate at the end
- Cushioning effect eliminates jarring, jerking, and damage to doors

■ Better in Wet or Hostile Environments

- Operators designed to withstand exposure to moisture and cold in car washes, greenhouses, lube bays and other corrosive environments.
- Operator design eliminates costly high-voltage wiring installation

■ How They Work

Ultimate door operators lift and lower new or already installed garage doors by using compressed air to drive air powered pistons. A supplied air valve and regulator located between your compressor and the operator directs air to the piston, which pushes a rod. Each piston rod is fastened to a loop of drive chain or belt that rotates a sprocket on the door shaft. On the "up" signal, compressed air drives the "up" piston. The piston rod is attached to the chain or belt and goes around the sprocket, which rotates the shaft. The door responds with a smooth, fast lift to the full raised position. On the "down" command, the door returns to home base with a cushioned stop against the pressure of the "down piston."

■ Guaranteed

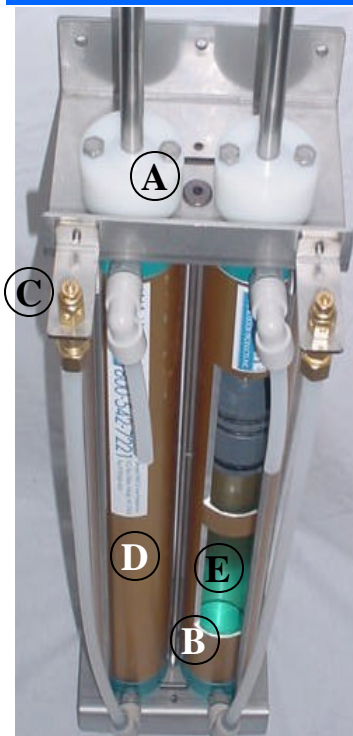
Ten year limited warranty!
Including wet aggressive environments



■ Operator Sizes

Dual Cylinder Operators - 8,10,12,14,16-ft.
Glider Cylinder Operators - Standard - 10' - ft.

Ultimate Air Powered Door Operators



ULT Model

- A Top Cap**
 - larger cap prevents air leaks by not allowing rods to break seals
 - bolt design allows for quick and easy field removal
 - wiper seal prevents water and debris from entering top cap
- B Bottom Cap**
 - no breather vent to clog or check ball to wear
- C Speed Control/Breather**
 - metering screw positioned on top of air flow valve away from debris
- D Permanently Lubricated**
 - requires no oil to be added!
- E Anodized Cylinder Tubes**
 - interior and exterior surfaces are anodized for corrosion resistance and increased life of u-cups

Stainless Steel
Mounting Brackets

Stainless Steel
Piston Rods

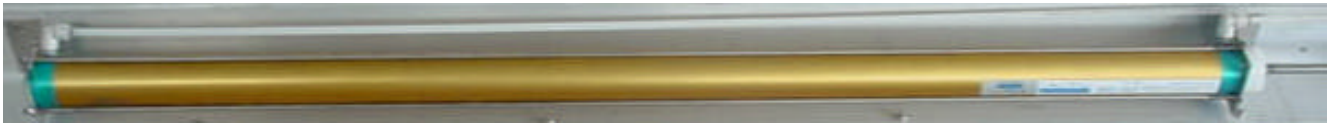
Stainless Steel
Retaining Rods

Belt Drive System

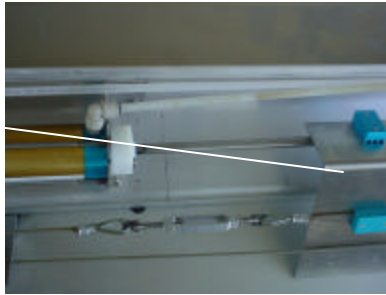
Aluminum Sprocket

Anodized Aluminum
Belt Clamps

Ultimate Glider Operators



Used with Glider Doors



Direct Drive System

- Operator rod attaches directly to door section with bracket
- Problem-free instant reversing

Mounted to track

- No additional mounting required on site. Limits preset.

- Stainless Steel Brackets
- Stainless Steel Retaining Rods
- Stainless Steel Piston Rods
- Permanently Lubricated
- Ultimate Top Cap Design
- Ultimate Bottom Cap Design
- Interior & Exterior Anodized Aluminum Tube

Operator Control Boxes



DC6000 Model

Standard Box Features

- Polycarbonate Enclosure
- Hinged Box
- Open & Close buttons
- Electric Eye pre-wired socket
- UL Approved
- Nema 4 rated



DC5000 Model

DC6000 allows door to be opened and closed upon power failure

Accessories and Options



Heavy Duty Filter

- Removes some excess moisture from airlines– To eliminate ALL moisture use Moisture X.



Self Diagnostic Safety Eyes:

- Electric safety eyes instantly reverse a closing door when beam of eye is broken
- Amplifier is equipped w/ self diagnostic feature for accurate field analysis



Keyed Pneumatic Box

- Allows access to building from outside even with power failure. (Used with DC6000R Control box)



Vehicle Loop Detectors

- Detects vehicles with sensor in concrete



Timer

- Used to send signal to open or close



Push Button

- Electrical up and down Nema 4 Box



www.ultimate-products.com

800-542-7221

Regenerative Air Dryer

The **Moisture-X Dryer** removes moisture from air lines
PREVENTING FREEZE UPS!

How Air Dryers are rated

Air dryers are rated with a discharge air pressure dewpoint

- The dewpoint number is based on a temperature in which moisture within the compressed air stream can start condensing again.
- Refrigerated air dryers have a 38° Fahrenheit pressure dewpoint, at any lower dewpoint the dryer itself will start to freeze up internally.



Moisture-X Dryer

The Moisture-X Protects to -40° Fahrenheit

- Twin tower construction - drying and regenerating simultaneously
- Timer with memory chip - reduces compressor run time
- 50% more desiccant than other dryers - more drying protection
- By-pass shut-off valve allows for maintenance during washes
- Long life ceramic slide plate valve prevents contaminant blockages

Use the Air Powered Operator on Illuminator Doors

Glider Door



SPACE ADVANTAGES

- Typical overhead track protrudes 10' into building. The Glider Door only goes 5 1/2" into the building
- Low Clearance – Only 8 1/2" needed above door opening

THE GLIDER DOOR INCLUDES:

- Aluminum Track with Air Powered Operator preassembled
- Direct Drive Air Powered Operator
- Triple Wall Polycarbonate Sections
- Two clear sections per door
- Control Box & Accessories

*The Glider Door Requires:

- No hinges
- No rollers
- No springs
- No counterweights
- No shaft
- No shaft brackets
- No bearings



Overhead Door



Counterweight Options

Counterweight Belt System

- aluminum spool with kevlar reinforced polyurethane belt
- stackable weights
- material will not rust - virtually indestructible

Galvanized Spring System

- 100,000 cycle galvanized torsion spring



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