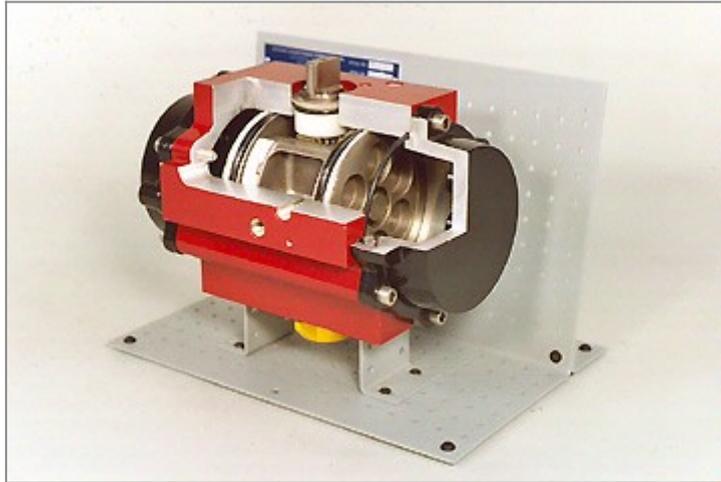


# Rack and Pinion Pneumatic Actuator Cutaway



Model: 273-510

DAC Worldwide's Rack and Pinion Pneumatic Actuator Cutaway (273-510) is a detailed valve actuator cutaway that depicts a rack and pinion-type pneumatic valve actuator commonly used as a closure device on industrial 1/4-turn valves, including ball valves, butterfly valves, and plug valves.

This specialized pneumatic valve actuator is commonly found in oil & gas production applications, petro-chemical plants, power plants, refineries, and other similar industrial, commercial, and manufacturing applications.

Rack and Pinion pneumatic actuators are a compact, popular, and economical choice for remote ball, plug, and butterfly valve actuation in many industries due to their simplicity of construction, small space envelope, linear torque transmitting characteristics, throttling capabilities, and limited number of moving parts.

The cutaway includes a formed-steel mounting assembly, allowing for stand-alone display, bench-top mounting, or mounting on specialized DAC Worldwide mounting benches, support, display, and storage structures.

Through careful sectioning, the complete internal configuration of the actuator can be seen, while also allowing for disassembly for more complete inspection. All primary features have been retained, allowing for basic maintenance training. The conversion from linear pneumatic thrust to rotary output force can easily be seen.

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## **FEATURES & SPECIFICATIONS**

- Sectioning of actual industrial actuator (common actuator brands and models chosen for industrial relevancy).
- Cleaning, priming, and painting of all primary component parts using a high-durability urethane coating.
- Strategic sectioning unveiling all primary operational components, including pistons, piston seals, driveshaft, springs, o-rings, and end caps.
- 13-gauge, formed-steel, powder-coated mounting base assembly.
- Provision for mounting on related DAC Worldwide bench, workstation, display, and storage products.
- Manufacturer's installation, operation, and maintenance manual provided.

- Packaging for shipment via parcel service or motor freight.

## **PRODUCT DIMENSIONS**

- **Product Dimensions**

(L x W x H)

8.5" x 19" x 8.5" (216 x 482 x 216 mm)

28 lbs. (12.7 kg)

- **Shipping Dimensions**

(L x W x H)

12" x 12" x 20" (305 x 305 x 508mm)

32 lbs (14.5 kg)

## **OPTIONS**

- Recommended #902V Mobile Display Stand

### **Address**

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