

Surge Suppressor Model



Model: 295-403

DAC Worldwide's Surge Suppressor Model (295-403) depicts a high-fidelity, precision to-scale model of a pulsation damper, otherwise known as a surge absorber. The industrial model supports training in the operation and maintenance of mud pumps, and mud pumping systems found within oilfield facilities and other applications incorporating large reciprocating pumps.

Learners will explore design, construction, operation, and control of surge suppressors using these learning tools. The model features a clear acrylic shell, component cutaways, color coding, and realistic detail, which combine to make this a useful tool in both operations and maintenance training.

The construction of this realistic mechanical model is based on a variety of well-known pulsation dampener. Based on a unit manufactured by Hydril Corporation, this training aid is a complete to-scale replication of one of the most common dampeners in use today. Molded from urethane plastics using silicone rubber molds, all salient and important equipment details are shown and enhanced.

Its convenient size, detail, color-coding, and multiple cutaways combine to allow the device to be useful in courses covering surge suppressors, flexible diaphragm stabilizers, valve guards, and much more. This teaching aid complements courses in oilfield production activities, oil & gas production operations, and maintenance training.

Enhance Learning Using DAC Worldwide's Hands-On Distillation Model

DAC Worldwide's hands-on models take learning to the next level, offering both visual and physical learning styles to appeal to a variety of learners.

This Surge Suppressor Model features a clear acrylic, 4.5-inch diameter shell, including a 120-degree sectioned area, that allows complete visibility of both internal and external components. To ensure an ideal training experience, the model also includes a durable PVC base, with provisions for tabletop mounting. All of the construction throughout the model is to-scale, and the perfect 3-dimensional solution for study, promotion, and training.

Internal components featured in the Surge Suppressor Model include a flexible primary diaphragm, a flexible diaphragm stabilizer, a stabilizer retaining plate, a diaphragm insert, and connecting bolt and lock washers.

External details include a replaceable bottom plate, a primary body, a charging valve, a valve guard, a pressure gauge, removable head attachment hardware, and representative O-rings.

Expand Training with Additional Mechanical Models & Cutaways

The Surge Suppressor Model is only one of DAC Worldwide's expansive mechanical training models and cutaways, which includes a Gas Turbine Model ([295-301](#)), a Pumpjack Package Model ([295-408](#)), a Composite Crude Oil Desalter Training Model ([295-501](#)), and many more!

FEATURES & SPECIFICATIONS

- Exact "to-scale" construction throughout
- Primary shell 4.5" diameter, and include a 120° sectioned area, allowing for view of all primary internal components
- Exterior detail including: replaceable bottom plate, primary body, charging valve, valve guard, pressure gauge, removable head attachment hardware, and representative O-rings
- Interior detail including: flexible primary diaphragm, flexible diaphragm stabilizer, stabilizer retaining plate, diaphragm insert, and connecting bolt and lock washer
- Durable PVC baseplate with provision for tabletop mounting, and mounting on related DAC display and storage racks
- Packaging for shipment via Courier service or motor freight

PRODUCT DIMENSIONS

- **Product Dimensions**
(L x W x H)
9in x 9.25in x 11.5in (229 x 235 x 292 mm)
2.5 lbs. (1 kg)
- **Shipping Dimensions**
(L x W x H)
12in x 12in x 12in (385 x 385 x 385 mm)
24.5 lbs. (11kg)

OPTIONS

- #902V - Mobile Display Stand
- #920 - Display/Support Assembly
- #295-7031 - Heavy-Duty, Foamed Lined Reusable Packing Container

Address

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