

# Distillation Column Model



## Model: 290

DAC Worldwide's Distillation Column Model (290) depicts a typical distillation tower found in petrochemical plants and refineries in technically-accurate, professionally-crafted detail. Learners will explore process plant equipment, distillation, and column maintenance using these to-scale models. 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.

This realistic mechanical model includes internal piping/spargers, manways, nozzles, platforms, ladders, and many more industrial-grade components. Learners will use these components to study topics such as equilibrium stages, liquid and vapor distribution, total vapor pressure drop, and column/design characteristics.

This system utilizes modular construction, which allows for customization to match plant-specific training needs. The basic device includes an upper head/vapor outlet module, a lower head/skirt module, and three intermediate modules, aiding learners in becoming better prepared for the tasks they will encounter on the job.

### **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 Distillation Column Model features a clear acrylic, 5-inch diameter shell that allows complete visibility of internal 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 engineering study, promotion, and training.

### **Expand Training with Additional Sample Sets and Mechanical Models**

An optional accessory to the Distillation Column Model is the Random Packing Sample Set, which is an assortment of packing samples commonly used in distillation towers within chemical engineering, process technology, and oil & gas processing applications. The collection includes multiple samples of six common packing designs, including metal pall rings, plastic pall rings, metal raschig rings, metal nutter rings and ceramic berl saddles.

The Distillation Column Model is only one of DAC Worldwide's expansive mechanical training models, which include a Plate-Type Heat Exchanger Model (#284), a Kettle-Type Reboiler Model (#288), a Flare System Model (#294), and many more!

### **Student Training Manual and Textbook**

A copy of this course's Student Training Manual and Handbook are included with the training system. Sourced from the Exercises and Learning Activities, the Student Training Manual takes the technical content contained in the learning objectives, and combines it into one perfectly-bound book. The handbook, called *IPT's Metal Trade & Welding*, presents clear objectives and performance standards for learners. If you would like to inquire about purchasing additional Student Training Manual or Handbooks for your program, please contact your local DAC Worldwide Representative for more information.

## **FEATURES & SPECIFICATIONS**

- Clear acrylic, 5" diameter shell, allowing complete visibility of internal components
- "To-scale" construction throughout
- Modular construction allowing for customization. Basic device includes: a upper head/vapor outlet module, a lower head/skirt module, and three intermediate modules
- High detail throughout, including: internal piping/spargers, manways, nozzles, platforms, ladders and tray/packing detail
- Durable PVC base
- Packaging for shipment via motor freight

## **PRODUCT DIMENSIONS**

- **Product Dimensions**  
(L x W x H)  
10in. x 10in. x 30in. (250 x 250 x 750 mm)  
10lbs. (4.5kg)
- **Shipping Dimensions**  
(L x W x H)  
31in x 31in x 30in (787 x 787 x 762 mm)  
55lbs. (25kg)

## **OPTIONS**

- Recommended 902V Mobile Display Stand

### **Address**

DAC Worldwide  
3 Killdeer Court, Suite #301  
Swedesboro, NJ 08085

### **Contacts**

email: [contact@dacworldwide.com](mailto:contact@dacworldwide.com)  
phone: (800) 662 5877