

Pump Maintenance Trainer



Model: 275-000

DAC Worldwide's Pump Maintenance Trainer (275-000) allows for convenient classroom training in the disassembly, packing, and reassembly of common centrifugal pumps, and enhances it by providing a visual, hands-on learning aide. This fully-detailed example of an ANSI pump gives learners a first-hand view into a component that is found in various maintenance applications worldwide.

This basic compressor and pumps trainer was patterned after a standard ANSI pump and includes many actual pump components. The training aid also allows for realistic, in-depth instruction in the installation and maintenance of mechanical seals. A clear, acrylic backhead provides total visibility of the seal area.

Enhance Training with Hands-On Industrial Components

This Pump Maintenance Trainer provides a realistic training introduction to industrial ANSI centrifugal pumps, which will make introductory courses in pump maintenance and operation more productive, realistic, and memorable for learners. The trainer components are also industrial-grade, mimicking what students might encounter on-the-job.

The trainer features a 7-gauge formed-steel baseplate with provisions for bench mounting, or mounting on related workstation products. It includes clear acrylic standard bore backhead/stuffing box, with the optional "Big Bore" chamber available. The shaft rotation works via a handwheel, and allows for all standard ANSI pump maintenance procedures, including impeller clearance adjustments.

Finally, the equipment used has been cleaned, primed and painted using a high-endurance urethane coating, providing durability to stand up to frequent use.

Expand Training with Additional Centrifugal Pump Options

The Pump Maintenance Trainer is only one of DAC Worldwide's expansive centrifugal pump learning aid options, which also includes the Dissectible Pump Series (275-100), the Downsized Vertical Centrifugal Pump Dissectible (275-128D), the Centrifugal Pump Fundamentals Trainer (277), and many more!

Optional Student Training Manual and Textbook Available

Copies of this course's Student Training Manual & Textbook are an optional supplement with this mechanical disassemblable. 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 textbook, called *Operator's Guide to Rotating Equipment*, presents clear objectives and performance standards for learners. If you would like to inquire about purchasing additional Student Training Manuals or Textbooks for your program, please contact your local DAC Worldwide Representative for more information.

FEATURES & SPECIFICATIONS

- Actual ANSI Centrifugal pump
- 7-Gauge formed-steel, powder-coated baseplate with provision for bench mounting, or mounting on related workstation products
- Clear acrylic standard bore backhead/stuffing box, with optional "Big Bore" chamber available
- Shaft rotation via a handwheel
- Allows for all standard ANSI pump maintenance procedures, including impeller clearance adjustment
- Aluminum replacement gland
- High-durability urethane surfaces throughout
- Packaging for shipment via motor freight

PRODUCT DIMENSIONS

- **Product Dimensions**

(L x W x H)

24" x 13.5" x 12" (600 x 350 x 300 mm)

120lbs. (54kg)

- **Shipping Dimensions**

(L x W x H)

28" x 15" x 24" (720 x 380 x 610 mm)

150lbs. (68kg)

OPTIONS

- #208-015 - Magnetic Base/Dial Indicator Set
- #532-022 - *Operator's Guide To Centrifugal Pumps*
- #532-037 - *Operator's Guide To Rotating Equipment* (LeBleu/Perez)
- #902 - Electromechanical Workstation
- #090-275 - Video on the maintenance of a Goulds 3196 pump (Goulds)

- #275-001 - Standard Packing Tool Assortment, including: inspection mirror, cutting mandrel, (2) 10" long packing pullers, (2) 10" long lantern ring pullers, 6" pocket depth scale, (6) pairs latex gloves, 2 additional spools of packing and toolbox
- #275-002 - "Big Bore" clear acrylic backhead with high performance gland (acrylic)
- #275-003 - Replacement gland for mechanical seal retrofit within standard stuffing boxes
- #275-004 - Type-1, mechanical "non-pusher" seal with elastomer bellows (includes acrylic gland adapter)
- #275-005 - Type-8 mechanical "pusher" seal (o-ring type) (includes acrylic gland adapter)
- #275-007 - Durametallic Type-RO pusher seal with acrylic adapter gland ring
- #275-008 - Durametallic Type X-100 bellows-type cartridge seal
- #275-009 - 5-Star series 84 cartridge seal
- #275-010 - 5-Star series 86 2-stage, cartridge seal
- #275-011 - Heavy-duty foam-lined, reusable packing container

ACCESSORIES

- Spool PTFE-type, 5/16", braided, non-asbestos packing (5' spool)
- Additional gaskets
- Lantern ring

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