

Hydraulic Training Systems

Teaching and learning hydraulics in real-time



Plug-and-Play Training Module Industrial/Mobile Accumulator with Differential Pressure Unloading Valve Model number- MF100-ACC

Purpose -

The MF100-ACC module is designed to help instructors teach and students learn accumulators, accumulator applications, how to safely and correctly perform accumulator gas charging procedures, and applications for differential pressure unloading valves.

The MF100-ACC is designed to plug into the side of the MF102 series training simulators.

How the MF100-ACC will benefit instructors and students -

The MF100-ACC consists of the following components:

- Accumulator
- Differential pressure unloading valve
- Pressure gauge
- Stored energy safety bleed-off valve
- Gas charging gauge and hose assembly
- Gas bottle pressure regulator recommended (with case)

The lessons (included with simulator) allows instructors to teach the following:

Theory:

- The function of an accumulator
- The types of accumulators
- Typical applications for accumulators
- The function of a differential pressure unloading valve
- Typical applications of differential pressure unloading valves
- How to read, correctly identify, and interpret ANSI and ISO symbols for accumulators and differential pressure unloading valves

Procedures:

- How to safely and correctly charge an accumulator with nitrogen
- How to safely and correctly set a differential pressure unloading valve



Course Materials and Visual Aids -

- Fundamental Hydraulic Manual/Directional Control Valve Learning Module/Accumulators/Unloading valves (included in course workbook)
- Accumulator with differential pressure unloading valves simulator activities include:
 - Students construct (from a schematic) a circuit, which includes an accumulator and differential pressure unloading valve
 - Student activities include: Safely and correctly charge the accumulator with nitrogen. Safely and correctly set differential pressure unloading valve
- Visual Presentation - Accumulators and differential pressure unloading valves included with MF102 PowerPoint™ presentation.



Hydraulic Training Systems

Teaching and learning hydraulics in real-time

Plug-and-Play Training Module Industrial/Mobile Accumulator with Differential Pressure Unloading Valve Model number- MF100-ACC

Shipping Specifications -

Shipping weight (does not include container and packaging): 50 lbs (22.68 kgs)

Shipping dimensions:
23" (58cm) H x 21" (53cm) W x 13" (33cm) D

Warranty -

FPTI™ warrantees it's products against defect in materials or workmanship for a period of two (2) years from date of delivery.

*Plug-and-Play
training modules
attach quickly and
easily to any
MF102 series
training system*



All FPTI™ training systems are available for operation at any voltage or frequency

MF100-ACC (12/12/24) • COPYRIGHT © 2024

fluidpower
TRAINING INSTITUTE™
www.fpti.org