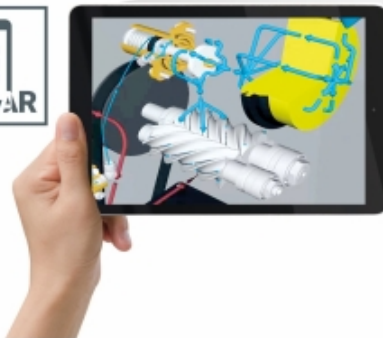


MT 175 Energy efficiency in compressed air systems

Order code: **5201.05117500**



Information about product price on demand

Parameters

Quantitative unit

ks

GUNT MT 175

System is an industrial-grade compressed air system that includes air generation, preparation, distribution, storage, and heat recovery.

It enables users to estimate potential savings and implement energy efficiency measures.

Various consumers can be individually or collectively integrated into experiments.

Augmented reality (AR) features allow visualization of the compressor, and the system is controlled via GUNT software.

All relevant process data is measured for evaluation, and the compressor unit can be remotely monitored.

The system supports LAN/WLAN connectivity, allowing multiple workstations to observe, acquire, and analyze data.

Multimedia teaching materials are available via the GUNT Media Center.

Technical Data & Specifications

- **Screw Compressor (oil-cooled):**
 - Positive pressure: max. 11bar
 - Speed, drive: max. 2910min⁻¹
- **Centrifugal Separator:**
 - Separation efficiency: max. 99%
 - Pressure loss: < 0.1bar
- **Refrigeration Dryer:**
 - Pressure loss: 0.05bar
- **Filter:**
 - Pressure loss: < 0.05bar
- **Tank:**
 - Volume: 90L
 - Safety valve: 11bar
 - Tank filling tube diameters: Ø 8mm, Ø 15mm
- **Maintenance Unit:**
 - Inlet pressure: max. 16bar
 - Adjustable outlet pressure: 0.5...10bar
- **Pneumatic Cylinders (single-acting):**
 - Diameters: Ø 32mm, Ø 40mm
 - Stroke: 500mm
 - Operating pressure: 0.6...12bar
- **Orifice Plates:**
 - Opening diameters: Ø 0.5mm, Ø 2mm
- **Blow-Out Gun:**
 - Operating pressure: 0...12bar

Measuring Ranges

- **Volumetric Flow Rate (water):** 0.9...15L/min
- **Power:** 0...3000W
- **Pressure:**
 - 3x 0...16bar
 - 1x -0.4...20bar
- **Temperature:**
 - 4x -50...180°C
 - 1x -40...125°C
 - 1x -50...299.9°C

Power Supply

- 400V, 50Hz, 3 phases
- 400V, 60Hz, 3 phases
- 230V, 60Hz, 3 phases

Dimensions & Weight

- **LxWxH:** 2200x780x1955mm
- **Weight:** ~625kg

Required for Operation

- PC with Windows
- Vuforia View for augmented reality application