Energy saving in pneumatic systems

PN361

The issues related to energy saving are becoming more vital each day. In the factories or even in the small workshops, the intelligent use of every energy source and the right sizing and selection of components save significant amounts of cost, time, waste etc. Compressed air is a very important energy source for industrial production. The possibilities to save costs from production to consumption of compressed air are enormous. But everything begins with the attention of the people who work with it. The training course focuses on peoples’ attention of costs and improving the areas of compressed air production, distribution, preparation and the pneumatic circuits. This training especially matches the customers’ training needs who had already received a Festo Energy Saving Service.

Target groups
Operators, maintenance, engineering, designers, trainers

Contents
- The cost of compressed air with measurements
- The cost of leaks
- The compressed air consumption of various circuits
- The cost of over and under sizing of components
- The right sizing for efficiency
- Energy efficient circuits
- Correcting the failures that caused efficiency wastes

Outcomes
The participant:
- Understands the relation between the consumption and the cost of energy sources
- Applies efficiency measures in the preparation, distribution and consumption of compressed air
- Corrects the failures that cause efficiency waste
- Applies efficiency measures in pneumatic circuits
- Selects efficient components for various applications
- Measures the air consumption of various pneumatic applications
- Improves the lifetime of various pneumatic components

Prerequisites
PN111 “Modern industrial pneumatics – Fundamentals” or equivalent knowledge

Duration
2 days

Article number
574395