Article Side

Essential Tools for Maintaining Safety in Industry

by Riaz Danish

Article published on May 18th 2012 | Business

Modern manufacturing facilities around the world are vital to a countryâ€™s growth and prosperity. Manufacturing units are also very dangerous places to work in. They require constant monitoring and high levels of maintenance. Some of the tools used are a pressure transmitter and magnetic flow meters.

The Pressure Transmitter - A Safety Tool?

In several facilities like manufacturing and general production control, use of a pressure transmitter is vital to ensure positive results by maintaining acceptable levels of safety. It is mainly used for monitoring pressure within a factory setting by accomplishing two main goals. It monitors the amount of pressure required to be applied at different stages to obtain the desired results. This is very crucial in a manufacturing process, as too much or too little pressure can result in a defective product with grave consequences to the manufacturer. Thus real time monitoring of the pressure environment is vital for a manufacturer to succeed. Another use of the pressure transmitter is to ensure that no equipment is building up excess pressure than needed for its optimum functioning. In case there is a pressure buildup exceeding the threshold set, the pressure transmitter sends an alert to the operator, who will initiate steps to shut down the unit and prevent an industrial accident.

What Are The Uses of A Mag Meter

A mag meter is the abbreviation for magnetic flow meter. It is used mainly to monitor the speed of liquids flowing through a conduit. There are many uses of the mag meter in industry, mainly in the mining, water, and chemical industries. Most of these instruments have easy-to-read screen monitors to measure the amount of liquid flowing through the pipes. They are also fitted with alarms that can be set off in cases where liquid flow exceeds parameters set or if the flow dwindles due to a blockage of some sort in the pipeline. Being very sensitive instruments, they need to be protected as they are vital in keeping the manufacturing unit safe, and for this reason need to protect from sabotage by the use of codes or a personal identification number to access the unit. A mag meter needs to be durable as they may be placed in a corrosive environment. It should also be noted that all liquids cannot be measured by a mag meter including some gases and hydrocarbons.

Safety First

With the help of the above-mentioned instruments like the mag meter and pressure transmitter, lives of people working in dangerous environments can be protected including the protection of manufacturing equipment. They make sure that that the equipment and machinery is working safely; like in our car, when the oil light comes on, and we do what is necessary.

Article Source:
http://www.articleside.com/business-articles/essential-tools-for-maintaining-safety-in-industry.htm - Article Side

Riaz Danish - About Author:
Riaz Danish has provided more information about measurement technologies. He has more knowledge and gives the good information about a Mass Flow Meter, a Pressure Transmitter and more. For more info â€“ http://www.smartmeasurement.com

Article Keywords:
pressure transmitter, mag meter, Mass Flow Meter, Pressure Transmitter

You can find more free articles on Article Side. Sign up today and share your knowledge to the community! It is completely FREE!