Tips for Selecting and Buying Oil Flow Meter

by Riaz Danish

Article published on March 19th 2012 | Business

Flow meters are advanced measuring instruments which are used to measure linear, non-linear, mass or volumetric flow of gases or liquids. It has its applications in various industries such as power and energy, marine, mining, water management, food and processing, building services, aerospace, agriculture, petrochemicals, pharmaceutical and more. Unlike the traditional gas or liquid measuring instrument such as the dip stick, handheld flow meter is accurate and highly reliable. This instrument will enable you to obtain all the necessary information you may need to measure exact oil receipts and to control oil consumption in boilers and generators. Oil measuring instruments are very useful wherever oil is received, stored and used as they are helpful in measuring, totalising and recording oil flows precisely. The Oil Flow Meter can be easily installed in the pipeline to totalise the flow of oil flowing through the pipeline.

How to Select an Oil Flow Meter?

The most important criteria you should consider while purchasing a handheld flow meter is, your requirement of a particular application. Keep in the overall installation and nature of the fluid process. To make your decision easier, answer the following questions

What is it you want to measure?

What is the viscosity of the liquid?

How clean is the fluid?

What is the size of the pipe?

Are you looking for rate measurement or totalisation or both?

What kind of reading output you want? Electronic signal or local display?

What is the chemical compatibility of the fluid with the instruments wetted parts?

What is the maximum oil flow rate in the pipeline, the pipeline size and pressure available at the Oil Flow Meter point?

Types of Flow Meters:

There are several types of liquid and gas measuring instruments designed for use in variety of industries. While some of the Handheld flow meter is used both in liquid and gases, others are exclusively designed to measure one specific type of matter. The most widely used type of liquid and gas measuring instruments are

Variable area flow meter, also known as â€˜Rotameterâ€™

Spring and piston meters

Mass gas flow meters

Ultrasonic

Magnetic

Turbine

Paddle wheel sensors

Positive displacement flow meters

Differential pressure sensor

Vortex flow meters

Anemometers for air flow measurement

How to Buy?

While purchasing a handheld flow meter, make sure that the instrument has all the important features that you require. Some of the most important features to look for when purchasing an instrument are accuracy, reliability, low pressure drop and positive displacement. Online stores provide crisp and clear descriptions such as type, features, price, size, specifications, etc. This information can be quite helpful in your buying decision. You can also consider buying pulse generator along with the Oil Flow Meter to convert the output into a pulse signal for remote instrumentation and control.

Article Source:
http://www.articleside.com/business-articles/tips-for-selecting-and-buying-oil-flow-meter.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 Turbine Flow Meter, a Gas Flow Meter and more. For more info â€“ http://www.smartmeasurement.com

Article Keywords:
Flow Meters, Coriolis, Magnetic flowmeter, Turbine flow meter

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