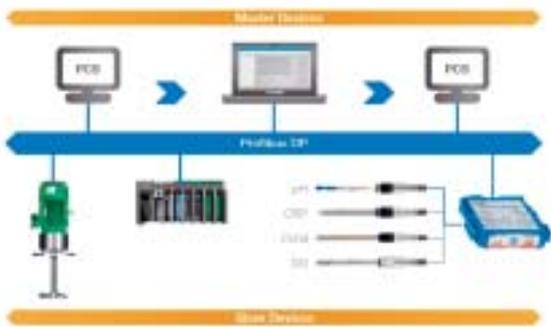


Sensor integration via Profibus DP



Hamilton's Arc-sensors can now be integrated into process control systems via Profibus DP protocol. For several years, the digital sensors for the parameters pH, ORP, conductivity and O₂ (optical and amperometric) ensure a direct connection via 4...20 mA or Modbus protocol and eliminate the need for usage of a transmitter. Thanks to the digital communication between sensor and process control system, the operator is able to access not only the obligatory measuring values but also the quality relevant data like sen-

sor and communication status, calibration data or even information concerning the measuring point which is deposited within the sensor. Within the development process, a test-series in cooperation with Sanofi-Aventis Germany took place. The Hamilton sensors, using the protocol converter, were tested on a Profibus DP Yokogawa System. As a consequence, further solutions with interfaces to Foundation Fieldbus or Profinet are possible.

» cpp-net.com/0314419

Metering ball valve



HAM-LET's metering ball valve (MBV) incorporates both metering and shut-off functions in one unit. The valve combines an accurate micro-meter control mechanism for gases and liquids with a sealing mechanism in a single unit. It is easy to install and does

not require multiple connectors and pipelines. It is reliable and easy to operate and can drastically reduce the length of the line in the system. The MBV series is a single unit which replaces the two separate valves previously required, thus decreasing installation and maintenance costs while reducing the risk of faults. With the choice of three precision stem tapers enabling metering at flow capacities as low as Cv = 0.0001 with up to 11 handle turns, the MBV series meets the demand for highly precise flow control. It offers five different O-ring materials providing the best temperature and chemical coverage, making it ideal for analytical instrumentation industries.

» cpp-net.com/0314420

Increasing I/O density per cabinet

Compact 200 series I/O modules and baseplates are designed to increase I/O density per cabinet and reduce the overall amount of I/O infrastructure and equipment. The compact product line is the latest addition to Schneider Electric Foxboro's I/O subsystem. The Compact 200 series I/O subsystem consists of high performance 200 Series Fieldbus Modules

(FBMs) to provide full support for analogue measurement, digital sensing, and analogue or discrete control capabilities. The Compact FBMs are rugged, high performance distributed process I/O modules designed for all process control tasks. Operating in conjunction with the Foxboro control processors, these FBMs provide for process management and



control of continuous, batch and discrete control schemes. The Compact 200 series I/O subsystem is fully compatible with existing Foxboro systems with 200 series I/O equipment and/or legacy 100 series I/O equipment.

» cpp-net.com/0314421

Tubes and connectors made of plastics



ant FEP pressure tubes, ETFE feed tubing, standard chemical tubes made of PP, FDA compliant LDPE plastic tubes, capillary tubes made of PTFE as well as PFA pressure tubes with high temperature resistance (-260 to +260 °C).

PFA connectors are supplied in different versions suitable for these inch-dimensioned tubes. PFA is resistant to almost all chemicals and can be used in a wide temperature

Reichelt Chemietechnik presents a great number of tubes and connectors made of standard plastics in either metric or imperial dimensions as a special feature. The following tubes, among others, are available in imperial dimensions: temperature resist-

range. This makes it a favoured basic material for tubes and fittings. These PFA connectors are available e.g. as straight connectors, elbow fittings or with internal or external thread.

» cpp-net.com/0314422