



**DELTA**

VALVES & PLASTICS

# Flow

Flow Control and measurement. Whether you require to measure flow using variable flow meters or flow sensors we can provide a solution. Pressure relief, reducing and retaining valves in PVC-U, PP-H & PVDF.

**Röchling**

## FLOW METERS

### Variable Flow Meters



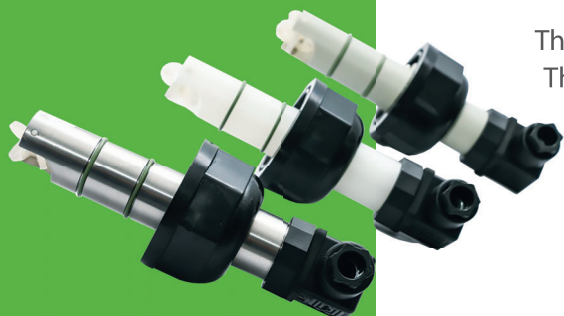
Variable Flow Meters operate on the variable area (rotameter) principle and are used to measure the flow rates in closed pipes. The medium flows through the flow meter vertically; as a result, the float is lifted and shows the flow rate on the attached scale. The reading edge corresponds to the largest diameter of the float.

Our flow meters come equipped as standard with a scale for water (scales for many other media can be supplied) and 2 mechanical target value indicators (electronic transmitters can be supplied).

### Pressure control valves



Our pressure control valves made from PVC, PP or PVDF (other materials available on request) reduce system pressure to a specified level and are available with a nominal diameter of DN10 to DN100. By utilizing the differential pressure, the pressure regulator adjusts to the set operating pressure. The outlet pressure is not directly related to the inlet pressure. The output point acts on the diaphragm surface via a control bore and presses against the set spring force. Once the forces are balanced, the valve closes and therefore keeps the operating pressure constant. If the pressure on the output side drops, it means that the set spring force is greater, in which case the valve opens until the forces are once again balanced.



## DF170 PVC-U FLOW SENSOR

This type of flow measurement provides extremely precise values, using the principle of counting the number of turns of a rotor/paddle wheel, this system has been specially developed to measure a fluid flow (m<sup>3</sup>/hr).

The rotor consists of five blades in which magnetic plates have been cast. The output signal has an output frequency which is proportional to the flow rate. This product is used with a display to give a visual readout.

Programable for pipe sizes d20-315mm, with various wall thickness. Utilising a pipe clamp saddle the unit is easily fitted to a system to measure within +/- 1% across the entire measurement range.



## DF406 PANEL MOUNT

The DF405/DF406 is a read-out which has been developed for use with most sensors.

The read-out is available in both a built-in model and a surface-mounted model.

Both the sensor's analogue output and frequency output can be used as input for the read-out.

The current flow rate is given on the 8-figure LED display.

It can also be configured to display the total flow



## DF820i Battery Powered Totalizer

The DF820i is a battery-powered flow measuring system, which combines a flow sensor (DF100 or DF170) and a battery-powered read-out unit. The products have been combined to form a compact unit.



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