

- Excellent price-to-performance ratio
- Unique ultra-light-rotor technology
- Exceptional accuracy and reliability
- Operates with liquids with viscosity from 1 to 1000 CST
- Alarm/Control output with 2 programmable limits
- RS232 interface option available
- Local programmable LED display
- Maintenance-free

**GENERAL DESCRIPTION**

BFC210 is a programmable flow controller designed for use with low-viscose clear or translucent liquids, transmitting IR light. The operating principle is based on the liquid volume measurement through light-weight rotor, IR sensor, and sophisticated electronics for measurement and control.

The material types used (PVDF, Vectra®, Viton®, EPDM) have an exceptional chemical and thermal (up to 90 °C) resistance.

Other ranges except the standard 0.5...20 l/min are available on request. BFC210 is equipped with a key and a local 3-digit LED display for easy programming and flow monitoring as well as a PNP/NPN alarm output activating at programmable alarm limits reached. BFC210 can be used as a flow meter, ON/OFF flow controller or alarm unit suitable for water treatment and other applications.

**TECHNICAL SPECIFICATIONS**

**Process** : Clear or translucent liquids transmitting IR light with viscosity 1 to1000 CST

**Range** : 0,5 to 20 lit/min

**Output** : PNP/NPN

**Output function:** on/off, NO or NC (programmable)

**Output ratings:** Max 100mA, max 40V

**Alarm type** : Window

**Power supply** : 15 to 32VDC (consumption max 55mA)

**Interface type** : RS232 (ASCII)

**Protection** : IP65

**Wetted parts** : PVDF, Viton, Vectra, EPDM

**Ambient temp** : -10 to +65°C (electronic)

**Process temp** : -20 to+90 °C

**Storage temp** : -20 to 90°C

**Pressure class:** PN 16 (16 bar)

**PERFORMANCE**

<b>Accuracy display</b>	:±0.1%
<b>Accuracy measurement</b>	:±0.5%
<b>Reproducibility</b>	: ±0.2%
<b>Temperature effect</b>	: ± 0,01% from span for 1°C
<b>Display</b>	: 3 digit LED, height 14mm
<b>Display resolution</b>	: Programmable
<b>LED Indicators</b>	: For Low and High alarm/control limits
<b>Calibration</b>	: Through keyboard
<b>Keyboard</b>	: 1 membrane key
<b>EMC</b>	: CE

**INSTALLATION**

<b>Electric connection</b>	: 3-wire cable
<b>Process connection:</b>	: 2 x G 1/2" (male) Ni-plated brass
<b>Wetted parts</b>	: PVDF, Viton, Vectra, EPDM
<b>Housing</b>	: IP67 (PVC or PP plastic)
<b>Mounting</b>	: Directly in pipe
<b>Size</b>	: 100x60x45 mm
<b>Weight</b>	: 200g

**ORDER INFORMATION**

<b>BFC210</b>	
<b>CABLE LENGTH</b>	<b>CABLE TYPE</b>
Specify	SL Silicone
1-10m	PV PVC