

- Excellent price-to-performance ratio
- Unique ultra-light-rotor technology
- Exceptional accuracy and reliability
- Operates with liquids with viscosity from 1 to 1000 CST
- Pulse output with 6000 pulses per liter
- Alarm/Control output with 2 programmable limits
- Local programmable LED display
- Chemically resistant variant available

GENERAL DESCRIPTION

BFC210/211 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, etc.) have a good thermal (up to 90 °C) resistance. A special variant with increased chemical resistance also extends the controller application. Other ranges except the standard 0.5...20 l/min are available on request. BFC210/211 is equipped with a local 3-digit LED display and a hidden key for easy programming and flow monitoring. Output capabilities include TTL pulse output as well as PNP or NPN alarm output that activates when either of the programmable alarm limits is reached. BFC210/211 can be used as a flow meter, flow transmitter with pulse output, ON/OFF flow controller, or alarm unit suitable for water treatment and other applications.

TECHNICAL SPECIFICATIONS

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

Range : 0,5 to 20 lit/min (2)

Pulse output : TTL, 100...2000 Hz, max. 0.5 mA
6000pulses per liter water

Alarm output : PNP/NPN max 100mA, max 40V

Output function: ON/OFF (programmable)

Alarm type : Window

Power supply : 18 to 30VDC

Consumption : Max 200mA

Protection : IP65

Wetted parts : PVDF, Viton, Vectra, EPDM

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

Process temp : -20 to+90 °C

Pressure class: Max 12 bar

(1) Liquid medium must be compatible with wetted part and seal materials!

(2) Other ranges are available on request.

INSTALLATION

Power supply : 18 to 30VDC

Electric connection : 3 or 4-wire cable

Process connection: 2 x G 1/2" (male)

Housing : IP67

Mounting : Directly in pipe

Size : 105x60x45 mm

Weight : 200g



PERFORMANCE

Accuracy display : ±0.1%

Accuracy measurement : ±0.5%

Reproducibility : ±0.15%

Temperature effect : ± 0,01% for 1°C

Display : 3 digit LED, 10mm

Display resolution : 0,1 l/min

LED Indicators : For alarm event

Keyboard : 1 hidden key



MATERIALS BFC210

Wetted parts: POM, PVDF, Viton®, Vectra®, EPDM

Seals: NBR

Case material: POM

Mounting: FREE

BFC211

SS, PVDF, Viton®, Vectra®, EPDM

PTFE

POM

FREE

ORDER INFORMATION

BFC21X	RELAY OUT	PULSE OUT	CABLE
0 Standard	E NPN	X None	Specify
1 Chemically	P PNP	P 6000p/l	1-10m
		TTL	PVC