

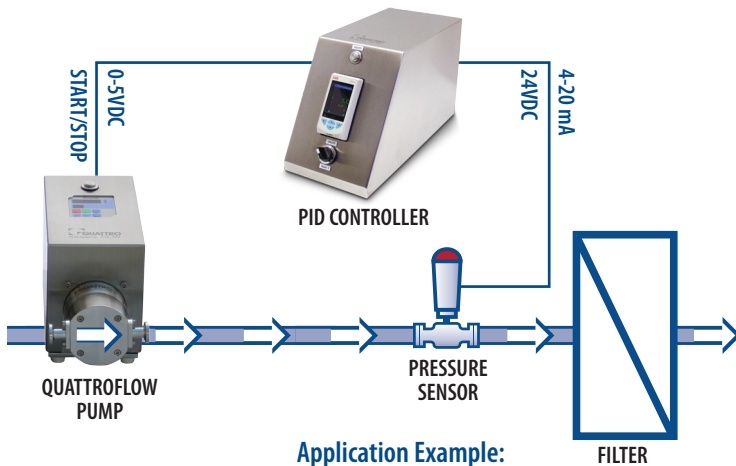
# QFPID01 Quattroflow PID Controller

## Features

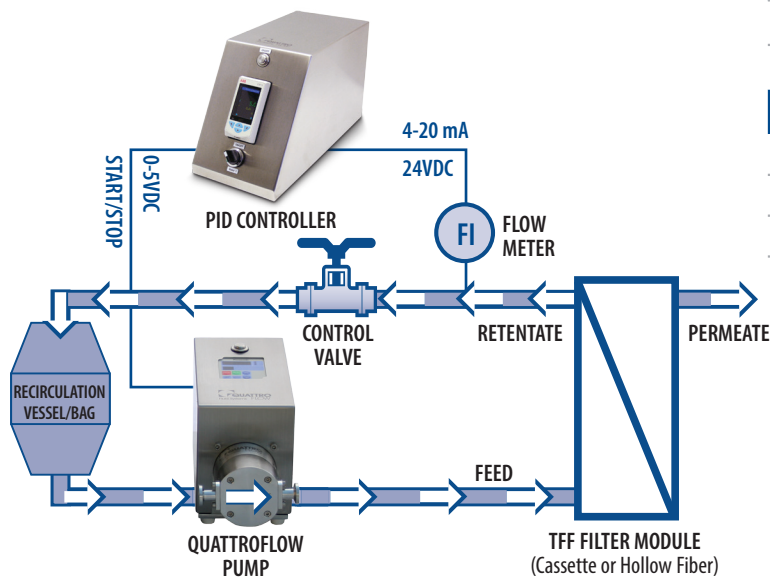
- Ideal for processes, where the Quattroflow pump should be controlled to a defined pressure or flow rate
- 4–20 mA input for separate pressure or flow sensor
- Autotune function for self optimization of controller settings
- Selectable alarm setpoints for automatic pump stop
- 0-5VDC output for QF150 or QF1200CV (4-20mA or 0-10VDC as option)

## Applications

- Pressure control in filtration processes
- Cross flow control in TFF systems
- Level control in vessels



**Application Example:**  
Pressure Control in Direct Flow Filtration



**Application Example:**  
Cross Flow Control in Tangential Flow Filtration

### I/O:

Analogue Input	1 x 4 – 20 mA
Analogue Output	1 x 0-5 VDC (0-10VDC or 4-20 mA on request)

### Supply:

Power Supply	230V 50Hz (110V option)
Power Supply for sensor	24VDC, max. 500 mA

### Connectors:

Analogue Input	M12x1, 4 pole
Analogue Output	M12x1, 5 pole

### Cables included:

Analogue output (to Quattroflow pump)	5 m to QF150S(U) or QF1200S(U)-CV
Analogue input (to pressure sensor)	5 m to Labom pressure sensor
	1 spare connector M12x1, 4 pole

### Housing:

Material	1.4301 (304)
Dimension	350 x 159 x 212 mm (L x W x H)

### Order Code:

European Version 230V, 1 Phase	QFPID01E
US Version, 110V, 1 Phase	QFPID01A
UK Version, 230V, 1 Phase	QFPID01U



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