HOUSINGS

FlowCell/XL

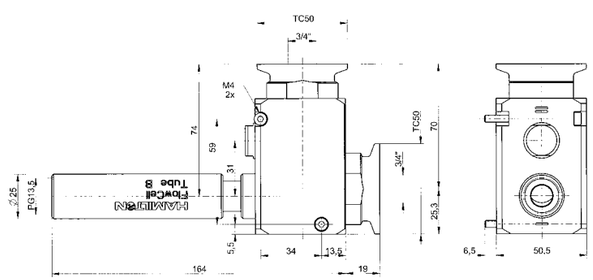
Hamilton Flow-Through Cells are designed for measuring one or two parameters at a time. Possible combinations are pH/DO and pH/Conductivity. The measurement is done in bypasses when inline measurement is not possible due to small pipe dimensions. Application fields are biotechnology, water treatment and power plants, where reliable measurements have to be carried out in ion-weak media. There are two different sizes of the flow cells available.

Benefits

- Flexible design for one or two measuring points
- PEEK insert of high chemical resistance
- Low dead volume
- Self draining
- Internal aseptic clamp pipe connection

Dimensional drawings / 242590

all dimensions in mm



Specifications

Wetted parts	Stainless Steel 1.4435, PEEK
O-ring material for blind plug	EPDM
Pressure range (relative to ambient)	0 to 16 bar
Temperature range	-10 to 140 °C
Sensor thread	PG 13.5
Sensor a-length	120 mm
Process connection	TC 25, TC 50, Swagelok

For more specifications see www.hamiltoncompany.com

Ordering Information

Flow Cell

242585

Code	Measuring position
1	only pH or Conducell UPW
2	only Conductivity or Oxygen
3	pH and Conductivity or Oxygen
4	Conductivity and Oxygen
0	special

Code	Pipe Connection
1	TC25 ¼”
2	TC25 ⅜”
3	TC25 ½”
4	Swagelok 6 mm
5	Swagelok 10 mm *
6	Swagelok ¼”
7	Swagelok ⅜” *
8	Swagelok ½” *
0	special

Code	o-ring material
1	EPDM
2	FFKM (two measuring positions)
3	FFKM (one measuring position)
0	special

242585 – ← Order Code

Flow Cell XL

242590

Code	Measuring position
1	only pH or Conducell UPW
2	only Conductivity or Oxygen
3	pH and Conductivity or Oxygen
4	Conductivity and Oxygen
0	special

Code	Pipe Connection
1	TC50 ¾”
2	TC50 1”
3	TC50 1.5” *
0	special

Code	o-ring material
1	EPDM
2	FFKM (two measuring positions)
3	FFKM (one measuring position)
0	special

242590 – ← Order Code

**Not self draining*

Accessories

- **O-ring kit Flow Cell** Ref 237387
- **O-ring kit Flow Cell XL** Ref 237390
- **Sensor Dummy**
  96 mm Ref 242540
  117 mm Ref 242563