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Flow cell Catcon-Plus-SL

Data sheet no. DenA8344410X

Flow cell for two conductivity sensors with built-in cation exchanger for the simultaneous measurement of the specific and acid (cationic) conductivity.

Flow cell Catcon-Plus-SL

Technical data

Flow cell made of stainless steel SS316L for two conductivity sensors with patented SWAN slot-lock quick release adapter, e.g. Swansensor UP-Con1000-SL

Sample flow adjustment with precise needle valve.

Digital sample flow meter for connection to SWAN transmitter.

Integrated cation exchanger with filter in easy exchangeable transparent plastic bottle.

Cation exchanger

Cleaned cation exchanger resin (nuclear grade, 1 L) with color capacity indicator ready for operation.

Resin capacity depends on sample pH and flow rate, e.g. 1 L resin and sample alkalization with ammonia 1 mg/L (pH 9.4):

4 months operation at flow 10 L/h or
5 months operation at flow 5 L/h

Calculation of resin exhaustion with two-channel transmitter AMI Deltacon Power.

Sample conditions

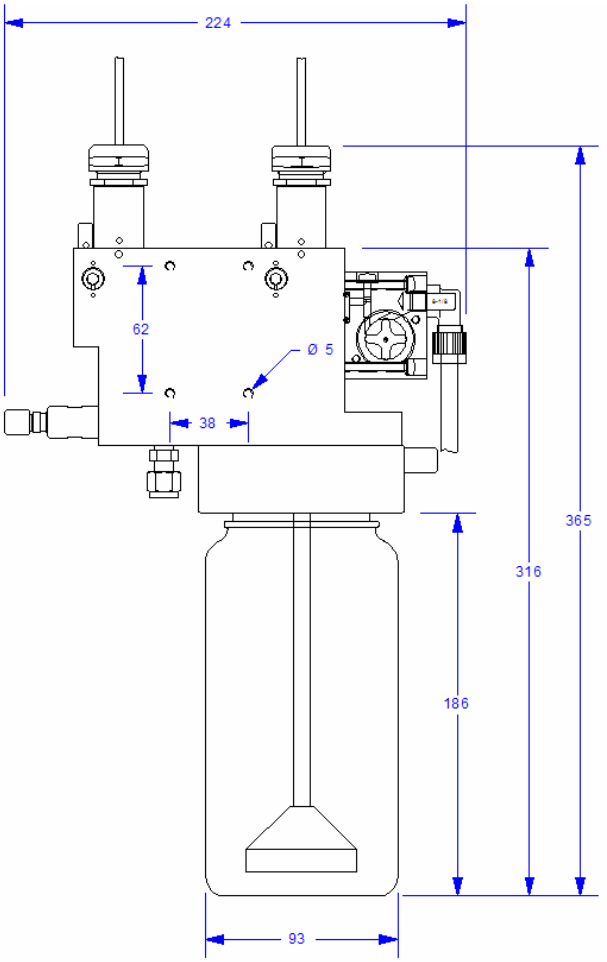
- Temperature: up to 50 °C
- Inlet pressure: 0.2 to 2 bar
- Outlet pressure: ambient pressure
- Sample flow: 5 to 20 L/h
- No sand, no oil

Process connections

- Inlet: ¼" Swagelok tube adapter (SS)
- Outlet: 8/6 mm Serto tube adapter (PVDF)

Electrical connection

- Flow sensor: cable with end sleeves
- Suitable transmitters: AMI Deltacon Power or AMI/AMU Powercon (for acid cond. only)



Flow cell shown with two optional sensors.

Order scheme	Flow cell Catcon-Plus-SL	A – 83 . 444 . 1	0	X

Flow sensor cable length:

Cable 1 m	1
Cable 5 m	5
Cable 15 m	7

Delivery: Flow cell with 1 L cation exchanger in bottle, spare bottle, outlet tube LD-PE 8/6 mm x 3 m and mounting kit (4 x M5 screws and distance sleeves).