



Skidsens Water Based Applications

By-Pass Skid

Unique Solution for Continuous Fouling Monitoring in your Cooling Systems.

Applications

- ≈ Cooling towers
- ≈ Filtration & membranes
- ≈ Water treatment
- ≈ Heat exchangers

Benefits

- Real-time, continuous & in-situ monitoring of fouling
- No maintenance

Features

- Reduced operating costs
- Decreased chemical discharge
- Extended life of industrial equipment

Neosens provides an innovative solution to monitor and control in-line continuously **fouling phenomenon** (biofilm, scale ...).

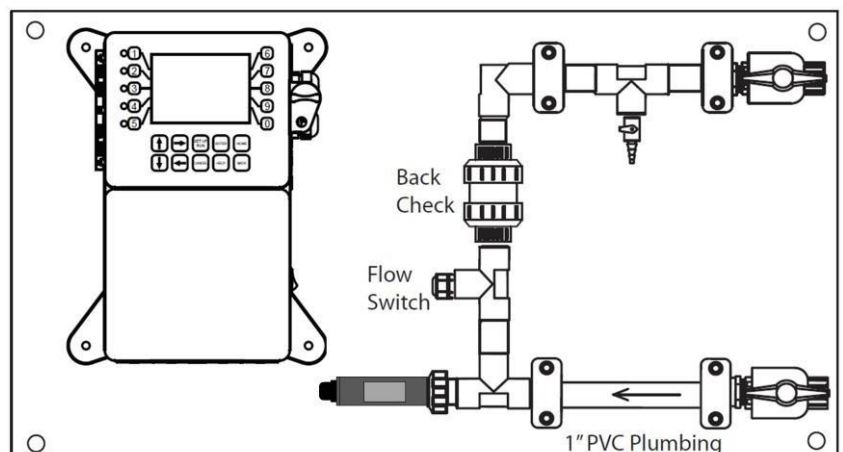
The Skidsens probe monitors deposits in real-time in order:

- to ensure water treatment efficiency,
- to trigger alerts in case of biofilm and/or scales abnormal increase,
- to optimize & reduce chemical discharges,
- to mitigate legionella risk.



The sensor continuously monitors the fouling trend within the water process enabling the optimization of treatments and confirmation of treatments effectiveness.

The Skidsens probe can be mounted onto a by-pass monitoring system and/or controller system.



Skidsens / General characteristics for Water Treatment applications

TECHNICAL SPECIFICATION	
Probe dimensions	D28mm x 190 mm
Connection	¾" slip T
Cable	1.5 m
Certificates	CE
Materials	PVC, stainless steel 316L
Output	1 analogical output 4...20mA (max. 250Ω) for fouling potential
Power supply	24Vdc / 50mA

MEASUREMENT UNITS AND RUNNING CONDITIONS			
Fouling potential	0...1 u.a.		
Process conditions		Pressure	Min. flow rate <i>(based on a 1" diameter pipe)</i>
	0...60°C max 32...140°F max Max. temp. slope 10°C/min 50°F/min	5 bars max. 72.52 psi max.	>1000L/h >4.4 gal/min

OUTSIDE RUNNING CONDITIONS	
Exterior temperature	5-50°C (41...122°F)
Relative humidity	0 to 90%

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