

Process number: AGTX5011

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## **Tender - Text template for service specifications**

Ladies and Gentlemen,

the discription of our automatic self-cleaning fluid filters, type AP5011, in steel or stainless steel:

### **Automatic self-cleaning fluid filter**

Applications: Coolant treatment, prefilter for ultrafiltration, process fluids, Conditioning of waste water

Housing: stainless steel 1.4301 or 1.4571 or powder-coated steel C3 to C5.

Piping connections: DN80 or DN100 – PN10/PN16

Filter screen material: stainless steel 1.4404

Screen size: 5000 cm<sup>2</sup>

Filter fineness: 5µm – 500 µm

Maximum flow rate: 50m<sup>3</sup>/h (at 150µm) – depending on individual configuration

Maximum pressure: 10 bars

Minimum pressure: 2.5 bars

Temperature: stainless steel max. 110°C / powder-coated steel max 70°C

Control unit: Simatic 1200 S7 with HMI or LOGO!

Control cabinet: stainless steel IP54 or IP66

Electical supply: 230V, 50 Hz

Sensor system: inductive endposition control for the cleaning cycle, pressure transmitter for differential pressure monitoring.

Automation: The cleaning process is triggered automatically when the differential pressure exceeds a defined limit. Manual cleaning or time controlled cleaning possible.

Monitoring: Optical operating and malfunction display on the aggregate (HMI). Potential free contacts for communication with the surrounding systems.

Redundance: Parallel assembly of multiple filters on a single control unit possible.

The final configuration and design of the filter lies in the suppliers responsibility. The evidence of dimensioning must be given by the supplier.

With kind regards

Filter Profitlich

Reinhold Wolscht