

SÜDMO INTELLITOP® 2.0

INTELLIGENT CONTROL TECHNOLOGY

PRODUCT LEAFLET



CHALLENGE

Pentair Südmö's innovation in intelligent communication is designed specifically to increase plant efficiency by controlling, monitoring and reporting on all process plant valve functions. The system shortens start-up, monitors plant functions and quickly identifies a component or communication issue. This results in faster response times and virtually eliminates downtime in the process systems.

SOLUTION

Pentair Südmö's IntelliTop 2.0 control unit combines process valve triggering and monitoring in one unit. Located on the process valves, these decentralized control heads make it easy to reduce hose and cable lengths, which simplifies system design and reduces installation work. The valve position and communication faults are easy to see from any angle or distance. The green, yellow and red signal colors can be assigned for the specific needs of each process system. The IntelliTop 2.0's- path measuring system tracks up to three of the process valve's switching positions. Simple set-up with the three programmable buttons assures fast and reliable process start-up. The convenient service function allows fast and reliable process valve servicing with the control head being always closed for protection. The small size of the IntelliTop 2.0 and its state-of-the-art industrial design give this system an appealing appearance while ensuring optimum external cleaning.

The name IntelliTop 2.0 is iconic not only for intelligence, but also flexibility, operator friendliness, cost efficiency, and process reliability.

BENEFITS

- Reliable system process monitoring
- Simple, intuitive and fast implementation
- Process valve switching times adjustable with built-in inlet and outgoing air throttles
- Bright LED beacon, visible from all sides, for easy valve seat detection for all open/close/seat lift cleaning positions
- Simplified valve maintenance with service function activated from outside
- Customized adjustments with a built-in microcontroller
- Short air hose and cable routes for clear structure and reduced installation costs
- Fast and easy fault analysis and rectification
- Reducing system downtimes
- Small and compact to fit in tight areas

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TECHNICAL SPECIFICATION

Communication

24 VDC

AS-Interface

- Bus internal power supply
- External power supply

DeviceNet

110 VAC

Path measuring system

Lifting range

Feedback

- 85 mm
- 3 teachable positions
- Connection for external signal

Magnetic valves

Number

Flowthrough (Q_{Nn})

Throttle function

- 0-3
- 200 l/min
- Inlet and outgoing air separate

Electrical connections

24 VDC

AS-Interface

DeviceNet

110 VAC

- Cable duct or plug M12x1 (12-poles)
- Plug M12x1 (4-poles)
- Plug M12x1 (5-poles)
- Cable duct

Pneumatic connections

Hose plug-type connectors

Ø 6 mm (optional 5/16") and Ø 8 mm (1/4")

LED status display

Green, yellow and red

Protection class

IP65

IP67

IP69K

Explosive zone

II 3G Ex nA IIC T4 X Tamb + 55°C

II 3D Ex tD A22 IP67 T70°C X



SÜDMO COMPONENTS GMBH

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