

SÜDMO INTELLITOP 2.0 VALVE CONTROL HEAD

INTELLIGENT PROCESS VALVE CONTROL

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 innovative Intelli-Pulse-Flush (IPF) function can also be activated for lifttable double-seat valves. The pulsating valve disk movement not only cleans all valve areas optimally due to permanent flow turbulence, but sustainably saves water and CIP cleaning detergents. 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.

Recently, communication via IO-Link is also available, allowing additional process parameters such as delays in valve switching times to be recorded. This allows wear and tear on seals to be detected at an early stage for a better planned preventive maintenance. 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 for not only intelligence, but also flexibility, operator friendliness, cost efficiency and process reliability.**



CUSTOMER BENEFITS

- Reliable system process monitoring
- Simple, intuitive and fast implementation
- Process valve switching times adjustable with built-in inlet and outgoing air throttles
- All-round LED display, visible from all sides, for easy valve seat detection for all open/close/seat lifting functions
- 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
- Small and compact to fit in tight areas
- **NEW: Intelli-Pulse Flush (IPF)**
Optimization of the cleaning performance / Savings on water and CIP-cleaning detergents due to oscillating seat lift
- **NEW: Communication via IO-Link**
„Events“, e.g number of switching cycles, switching time delays are transmitted to the control -> preventive maintenance for more efficient process

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TECHNICAL DATA

Communication

24 VDC

AS-Interface

- Bus internal power supply
- External power supply

DeviceNet

110 VAC

NEW: IO-Link

- Point-to-point communication
- External power supply

Path Measuring System

Lifting range

- 85 mm

Feedback

- 3 teachable positions
- Connection for external signal

Magnetic Valves

Number

- 0-3

Flowthrough (Q_{Nn})

- 200 l/min

Throttle function

- Inlet and outgoing air separate

Elektrical Connections

24 VDC

- Cable duct or plug M12x1 (12-poles)

AS-Interface

- Plug M12x1 (4-poles)

DeviceNet

- Plug M12x1 (5-poles)

110 VAC

- Cable duct

IO-Link

- Plug M12x1 (4-pin) - Port Class A
- Plug M12x1 (5-pin) - Port Class B

Pneumatic Connections

Hose plug-type connectors

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

LED Status Display

green / yellow / red

- Communication: 24 VDC, AS-Interface, DeviceNet, 110 VAC

green / yellow / red / blue /

- Communication: IO-Link

orange / white / turquoise / pink

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

II 3D EX TD A22 IP67 T70°C X



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