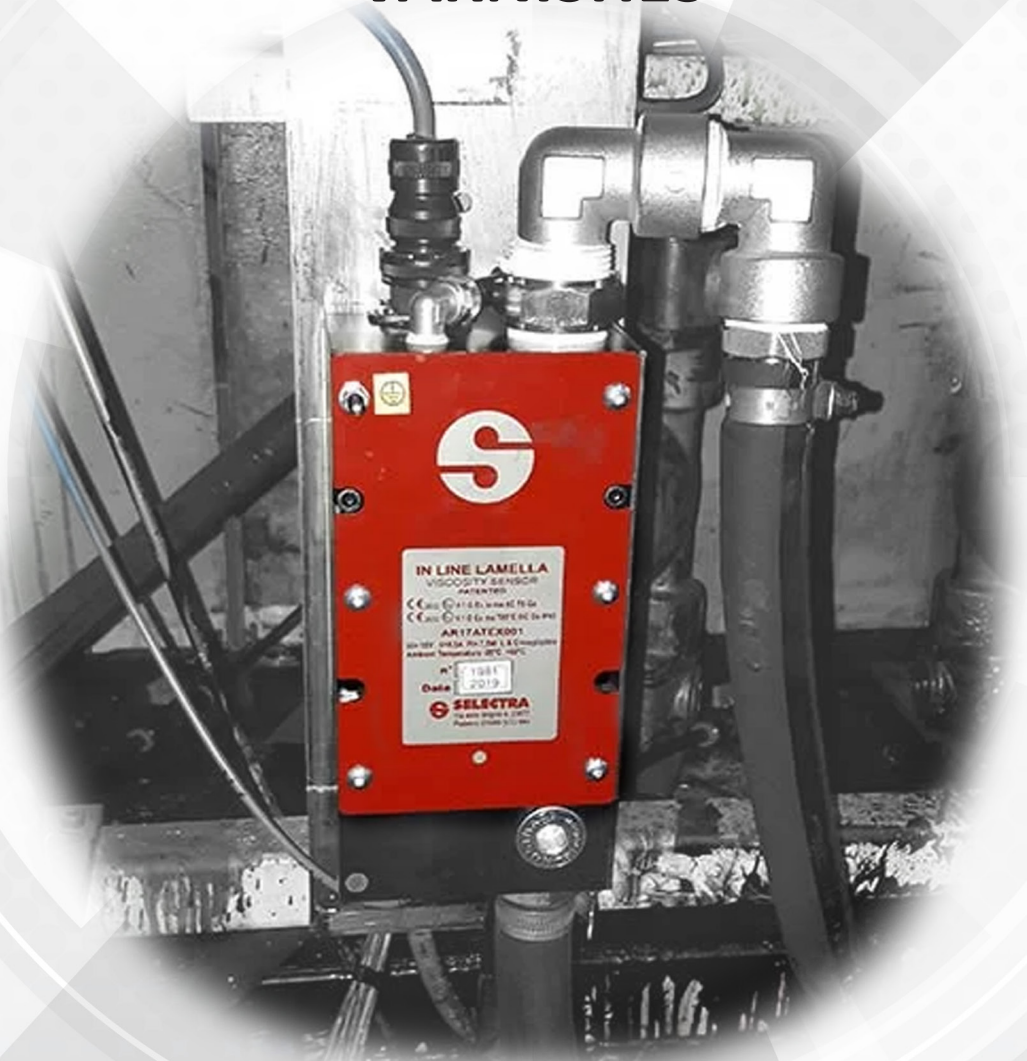


SELEVISCO9000

VISCOSITY CONTROL FOR INKS, GLUES AND VARNISHES



FLEXOGRAPHY



ROTOGRAVURE



CORRUGATED
CARDBOARD



LAMINATING
COATING

SELECTRA

**YOUR CHALLENGES
OUR SOLUTIONS**

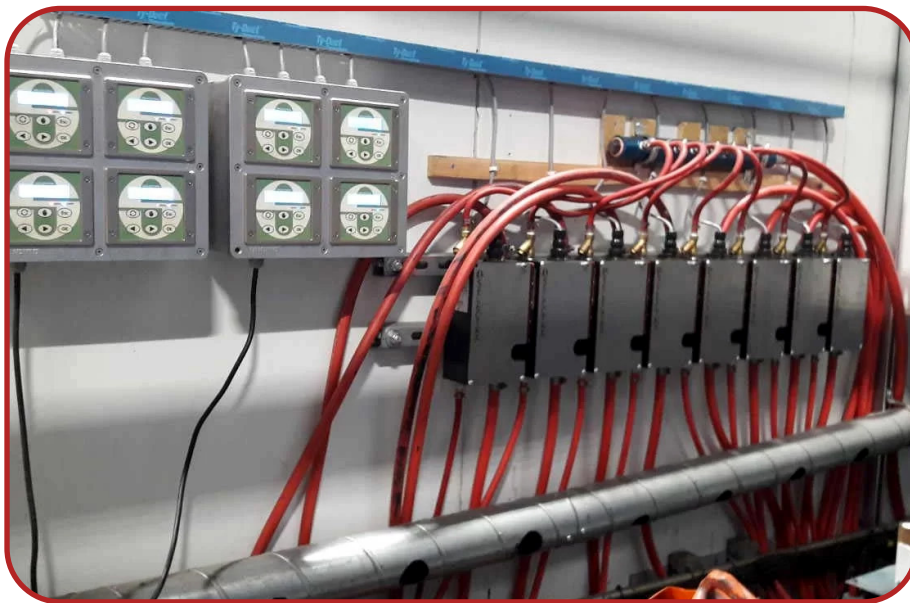
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SELEVISCO 9000

The SELEVISCO 9000 viscosity control system has been specifically engineered for controlling flexographic and rotogravure inks, varnishes as well as many adhesives. Our unique sensor technology enables you to measure and correct the fluid viscosity with an accuracy of 0.1 second.

The system operates through a measuring head placed in line with the flow, a control panel for the display and regulation of the rheological characteristics, and, additionally, multiple accessories which complete the system's operativity.

Thanks to a precise comparative logic, the programmed viscosity value and the measured one are compared and the diluent quantity necessary to fix the error is added automatically.



Salient Features:

- Extremely High Precision granting an outstanding reading tolerance guaranteeing efficiency and functionality for extremely long periods of time without any special arrangement
- Minimum Maintenance - The absence of moving elements eliminates the necessity of frequent maintenance

- Able to read the viscosity value even while the fluids are in motion thus permitting its application directly on the supplying pipeline
- Can be integrated with a system of automatic washing cycles with the possibility of modulating according to specific needs through personalized modes
- Adaptable to multiple solutions. Designed for viscosity verification within a field of 40 to 500 cps (corresponding approximately to 9 – 120 seconds using a Ford cup size 4)
- Both in-line & off-line solutions are based on the patented principle of the vibrating reed
- Complete with a temperature control to correct the temperature according to its variation
- Wide range of application, Rotogravure, Flexo inks, Varnishes Coating, Adhesives, Lacquers, Chemicals



TECHNICAL INFORMATION

- **Measuring Accuracy:** 0.1 Second (Ford-4)
- **Measuring Range:** 9 - 140 Second (Ford 4)
- Explosion proof system with ATEX Eexi Degree of Protection
- **Communication Protocol:** RS 485 Mod-bus
- **Max Number of Elements:** 16 (Version Touch Screen)
1 (Version Sv9000)
- **Alarm Signal:** Visual, Audible and Relay Output
- Built in Temperature Sensor
- pH Sensor with Automatic Control of Acidity (Option)

SELEVISCO can operate in Two different ways:

Manual Mode: The system displays the viscosity measured by a single sensor and let operator add the solvent to correct the viscosity value.

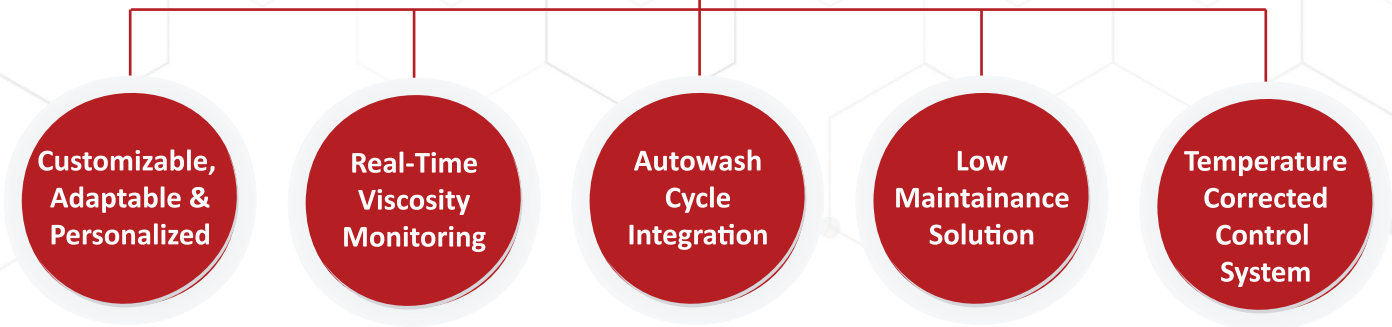
Automatic Mode: The system executes a comparison between the programmed viscosity value and the measured on.

SELEVISCO 9000 Sensors: The SELEVISCO control systems allow fluids viscosity measurement through a vibrating sensorial system immersed into the fluid that needs to be monitored. The measuring head is protected by a extremely resistant capsule of small dimensions, integrating proper anchoring arrangements to external supports that allow its application easily even in extremely limited spaces. The application is normally recommended between the pumping system and the doctor blade chamber or the ink trays, interposing the head along their connection pipeline.



The SELEVISCO 9000 viscosity control system measures the viscosity of the fluids thanks to a vibrating sensorial system featuring a precise and advanced technology.

Key Features



The SELEVISCO 9000 **Control Panel** allows the display of data and command execution. Through a precise comparative viscosity controller, the system enables the consistency of different fluids mixture; therefore, this type of application can be integrated and personalized in various industrial sectors. Each control panel manages a unit of measurement and can be applied within existing frameworks or supplied integrated into custom pulpits.



The system has been designed for auto-cleaning. The solvent enters directly in the measuring sensor both during the regulation step and when the cleaning function is activated at the end of the job. Adequate liquids should be used for the washing cycles according to the fluids' mixture (normally the solvent is used as a thinner for the ink).

The supply should be connected directly to an inlet port located on the measuring head. The data displaying and the controls are incorporated into individual synoptics for each measuring unit that can be retrofitted into existing cubicles or integrated on personalized consoles.



Installation of the inline vibrating sensor

The measuring head is protected by an extremely resistant capsule of small dimensions, integrating proper anchoring arrangements in limited spaces. The application is normally suggested between the pumping system and the chamber doctor blade or the ink tray.



Installation of the offline vibrating sensor

Based on the vibrating technology, the offline sensor is installed directly into the tank, granting a better ease of use. The offline sensor is easy to clean and resistant to chemical corrosion thanks to its Teflon coating protection.



Operator Friendly

The managing software allows data recording on recipes, allowing for setup and operational reputation. The data displaying and the controls are incorporated into the individual synoptics for each measuring unit. Alternatively, the measuring head can be connected to the touch screen operational interface, based on a Windows platform.



Outstanding Precision

Granting an outstanding reading tolerance. The system integrates a temperature and pH control (option). Minimum maintenance, the absence of moving elements eliminates the necessity of frequent maintenance.

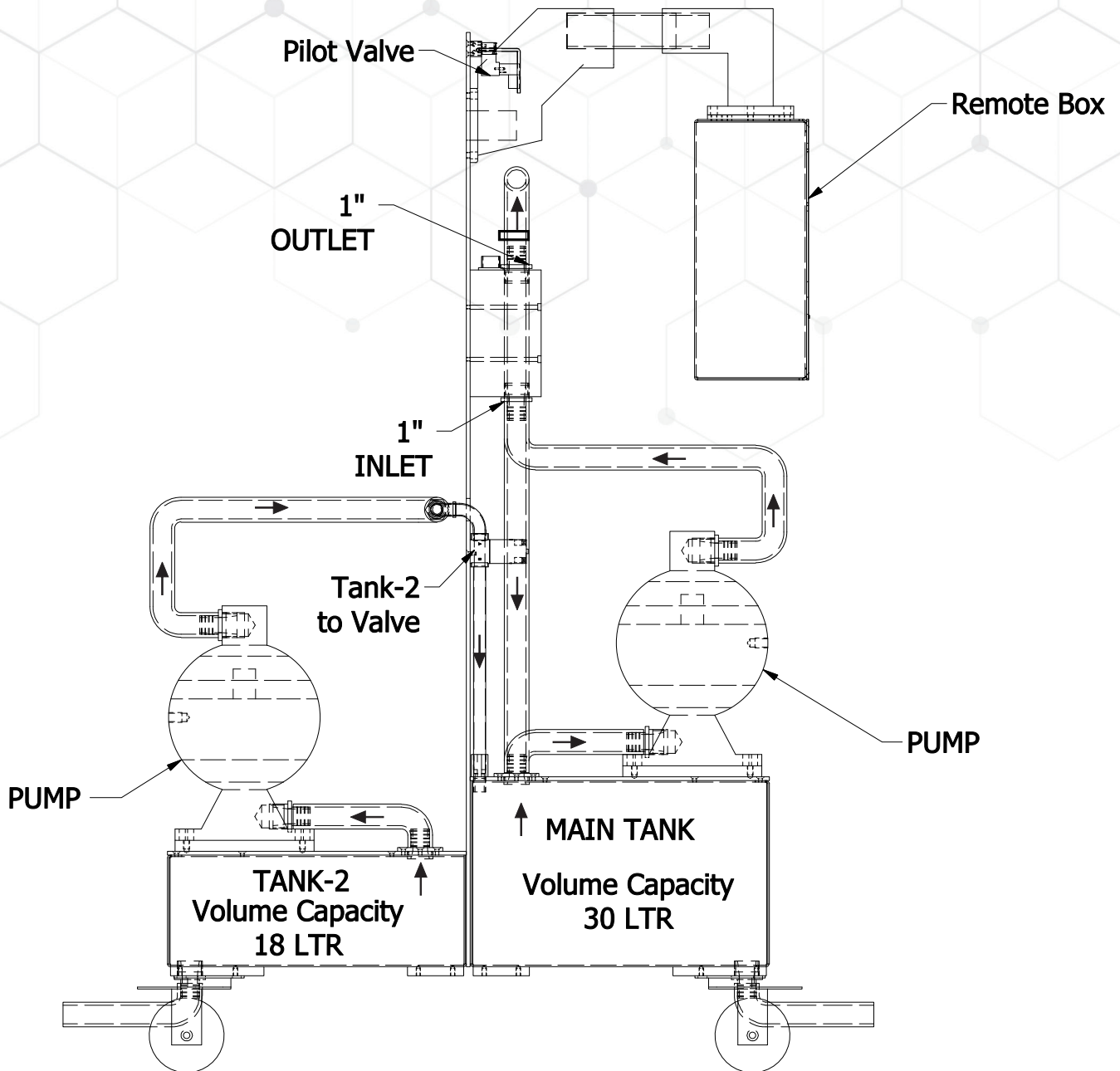
VISCOS TS10K

Alternatively, the measuring heads can be interfaced to the SCADA of Printing Press through customized arrangements, or to PC with touch screen interface based on Windows operating systems, and complete with a specific software for job statistics. The measuring heads and the control units are connected by electric wires, thus permitting the installation of these elements even within long distances.



Technical Support:

- Remote on-line service support
- User friendly interface for viscosity calibration, measurement & control
- Easily available record for total consumption of solvent (in litre)
- Graphical representation / Trend of viscosity control
- Built in temperature sensor along with Digital output available to control chiller valve for ink cooling



SELECTRA

Sold and Serviced By

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