

GAMMA

G29

pH and viscosity control system



The **G29** is a microprocessor controller for the regulation of the viscosity of water based ink. The viscosity measurement is made through a vibration sensor, inline with the ink piping without moving parts. This sensor emits a frequency to the controller that processes the viscosity in seconds (cup ZAHN, FORD etc.) and, then to the water valve, which maintains the value according to the reference signal. The cleaning of the viscometer is made at job end, while washing up.

APPLICATIONS

- Rotogravure and Flexographic presses.
- Water and solvent based ink.

CONSOLE AND COMMAND PANEL

- PC with 15" touchscreen.
- All colours displayed on the screen.
- All viscosities are displayed on a graphic bar.
- Individual cup settings to desired reference.
- Save up to 10.000 different jobs.
- Temperature control function displayed.
- Error signals (no ink, no water or viscosity over tolerance).

CONTROL

- New generation rack system with high reliability electronic components.
- Installed in a cabinet.
- Serial communication between PC and control.

VISCOMETER

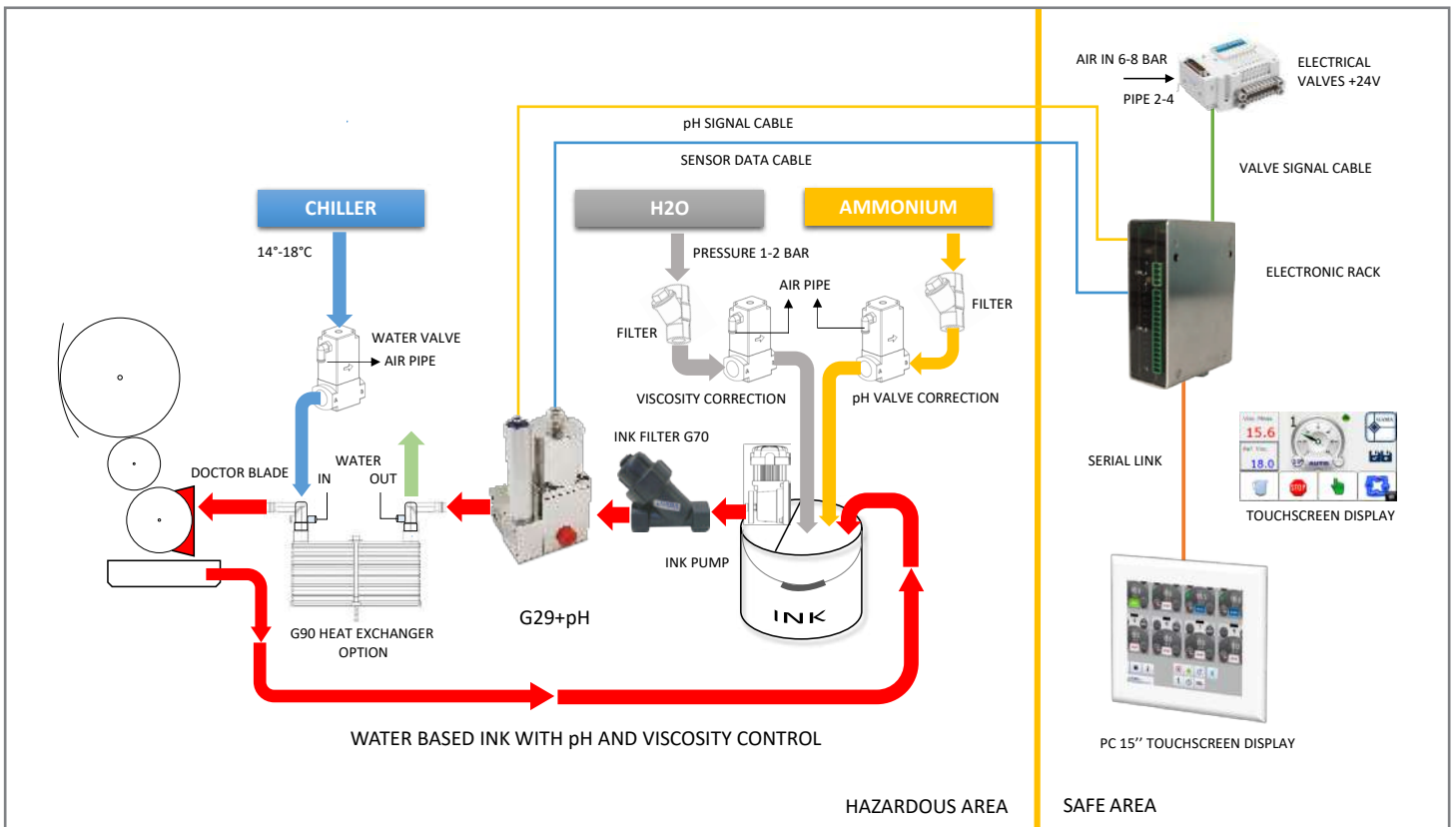
- Stainless steel to install in a danger zone near the ink tank (ATEX-UL Certification).
- Water correction through pneumatic valve.
- Feeding by rotary or alternative pumps.
- Viscosity is measured with 1% accuracy.
- Temperature accuracy is measured within 1°C.

OPTION

- HMI 4,3" - 9,7" touchscreen display.
- Control pH by G80 probe dedicated, pH accuracy is measured within 0.1 pH.
- Control of temperature by G90 heat exchanger.

MAINTENANCE AND CLEANING

At the end of the job, the cleaning of sensors is made simultaneously with the press ink cleaning system. No mechanical parts or moving components.



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DEALER:

