

Satron SAVE H is a pneumatically actuated sampling valve designed for high-consistency wood pulps and/or pulp containing shives and knots.

The sampler is suitable for all pulp sampling applications in the pulp and paper industry.



TECHNICAL SPECIFICATIONS

Applicability

- Consistency range 0...18 % Cs

Process pressure

- Minimum process pressure for different consistencies: refer to Fig 1
- Maximum process pressure: 2,5 MPa (25 bar), fiberglass-reinforced plastic process coupling 1MPa(10 bar)

Supply air pressure p_s (AD actuator)

- $0,5\text{MPa} < p_s < 0,8\text{MPa}$, ($5\text{ bar} < p_s < 8\text{ bar}$)
- $p_s = 0,6\text{MPa}$ recommended
- Pneumatic actuator has a return spring that shuts the valve when pressure is lost.

Connectors

- Water flushing connector: R3/4
- Pneumatic connectors for cylinder: R1/4 (R1/8 adapters included)
- Pneumatic connectors for regulating valve: R1/8

Materials

- Parts in constant contact with process medium: EN 1.4404 (AISI316L) + UNS S21800 (Nitronic 60) or EN 3.7035(Ti-II)
- Other parts: EN 1.4404 (AISI316L), aluminium alloy

Couplings

- Normal coupling is a clamp mounted standard coupling for the valve.
- Blow line coupling is suited for abrasive applications for example digester blow line.

European Directive Information

Machinery Directive 2006/42/EC

- Assessment of conformity with internal checks on the manufacture of machinery.

Pressure Equipment Directive (PED) (97/23/EC)

- Sound Engineering Practice

Weight

SAVE H SA 7 kg

SAVE H FA 13 kg

| Selection Chart | | SAVE H | | | | | |
|-------------------------------|-----------------------------------|----------|---------------------|--|--|--|--|
| Mounting types | | | | | | | |
| SAH | Clamp | | | | | | |
| FAH | Flange DN80 PN40 | | | | | | |
| Material for sampler | | | | | | | |
| 2 | EN 1.4404 (AISI316L) | | | | | | |
| 6 | EN 3.7035 (Titaani Ti-II) | | | | | | |
| Material for process coupling | | | | | | | |
| 0 | No process coupling | | | | | | |
| 2 | EN 1.4404 (AISI316L) | | | | | | |
| 6 | EN 3.7035 (Titanium Ti-II) | | | | | | |
| 9 | Fibreglass-reinforced plastic | | | | | | |
| Coupling type | | | | | | | |
| 0 | No process coupling | 1 | Normal | | | | |
| 2 | Blow line DN150 | 3 | Blow line DN200-250 | | | | |
| 4 | Blow line DN300-400 | 5 | Blow line DN500-700 | | | | |
| Function | | | | | | | |
| AD | Pneumatic | | | | | | |
| Open / closed detector | | | | | | | |
| 0 | None | | | | | | |
| 1 | Yes (for pneumatic actuator only) | | | | | | |

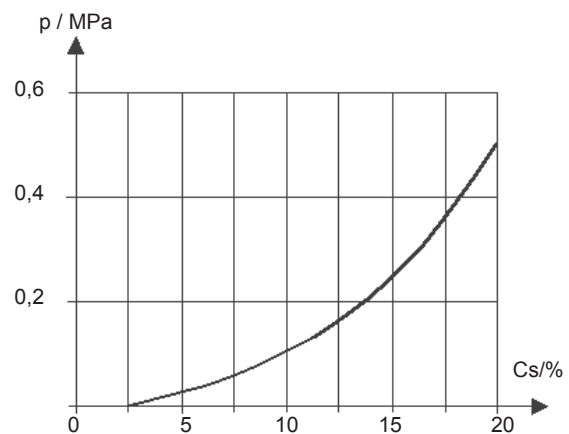


Figure 1 Minimum process pressure at different consistencies

Dimensions

