



KPM PULP SAMPLERS FOR RELIABLE SAMPLING



High performance sampling for screened and unscreened applications

KPM introduces cost-effective, durable and versatile sample valves for all applications, screened or unscreened. The KS/2 covers low (0-8%) consistency screened applications. The KS/4 (0-8%) and KS/6 (0-18%) samplers handle unscreened extractions with a cutting piston.

Manual & pneumatic versions available

KS/2 is available in manual and pneumatic versions; KS/4 and KS/6 are pneumatically operated only. Saddle and threaded mounts are options for KS/2 and KS/4 samplers, while KS/6 is saddle mounted only.



Representative sampling

The KS-line sample heads penetrate the water layer inside the pipe, eliminating dewatering from the sampling process. KS/4 and KS/6 have stroke depth adjustment for sample flow, ensuring reliable operation with unscreened pulp.



Water flushing

A separate water connection allows cleaning of the sample valve after a collection. Flushing ensures a repeatable and representative sampling procedure.

Service friendly

KS sample valves do not use seals, allowing users maintenance free operation.

Pneumatic operating valve

All pneumatic KS samplers are equipped with an operation valve. An optional electric switch detects the pistons position.

Options

Electric Position Switch for sampling pistons. Enables time stamping in the DCS



SPECIFICATIONS

CONSISTENCY RANGE	KS/2: Low consistency 0 - 8%Cs screened pulp KS/4: Low consistency 0 - 8%Cs screened and unscreened pulps, no knots. KS/6: Medium consistency 0 - 18%Cs screened and unscreened pulps.
PROCESS CONNECTION	KS/2: threaded NPT1½" or NS40 Sandvik Saddle KS/4: threaded NPT1½" or NS40 Sandvik Saddle KS/6: NS70 Sandvik Saddle
FLUSH WATER CONNECTION	KS/2: R¼" internal thread, compatible with NPT¼" KS/4: R½" external thread, compatible with NPT½" KS/6: R½" external thread, compatible with NPT½"
FLUSH WATER PRESSURE	30 - 150 psi (2 - 10 bar)
AIR PRESSURE (P-models)	KS/2: 30 - 150 psi (2 - 10 bar), KS/4: 30 - 150 psi (2 - 10 bar), recommendation min 60 psi (4 bar) KS/6: 30 - 150 psi (5 - 10 bar), recommendation min 75 psi (5 bar)
SAMPLE OUTLET CONNECTION	KS/2: 1 ½" (38mm) hose connection KS/4: 1 ½" (38mm) hose connection or 1 ½" (38mm) flanged outlet KS/6: 2" (50mm) hose connection or 2" (50mm) flanged outlet
PROCESS PRESSURE	Maximum pressure: 370 psi (25 bar). The minimum operating pressure required is a function of the sample consistency. KS/2 and KS/4 min. process pressure: KS/6 min. process pressure: 0 - 3 % 7 psi (0.5 bar) below 8% 15 psi (1.0 bar) 3 - 5 % 15 psi (1.0 bar) over 8% 30 psi (2.0 bar) 5 - 8 % 30 psi (2.0 bar)
SAMPLE FLOW	The sample flow is a function of process pressure, fiber type and consistency. The flow diminishes at higher consistencies. KS/4 and KS/6 piston stroke opening and piston orientation are adjustable.
MATERIALS	Standard wetted parts AISI 316L. Titanium available for KS/2 & KS/6 Process Connection AISI 316L, SMO, Duplex, Titanium or FRP available
WEIGHT	KS/2-M: 4.0 lbs (1.8 kg) KS/2-P: 4.4 lbs (2.0 kg) KS/4: 5.1 lbs (2.3 kg) KS/6: 8.2 lbs (3.7 kg)
OPTIONS	Electric position switch of sampling piston for stamping the time in the DCS

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