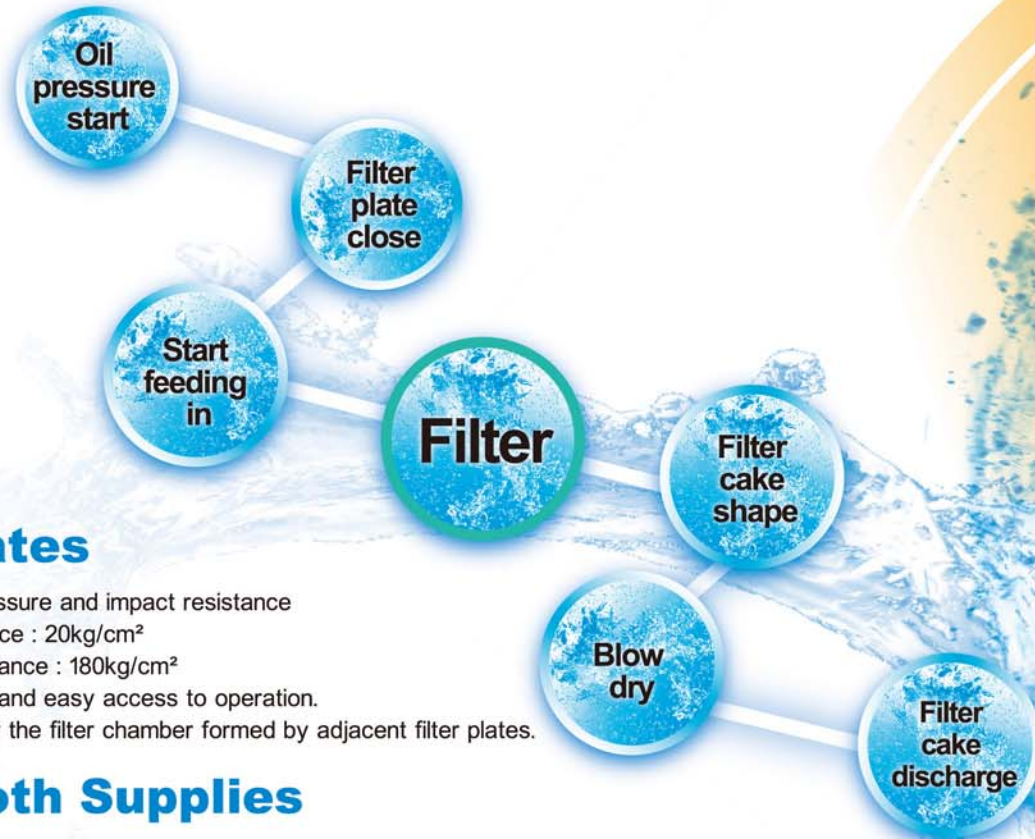


KS Filter Press

Operating Principle

Pulp sludge is delivered to filter chamber made of filter plates and filter cloth by pneumatic pump, and filtrate is exhausted through filter cloth and filter plates by pressure. In this way, the moisture content of pulp sludge can be decreased, and pulp sludge is shaped into filter cake and discharged.



Filter Plates

- Super High pressure and impact resistance
Impact resistance : 20kg/cm²
Pressure resistance : 180kg/cm²
- Light materials and easy access to operation.
- Flute design for the filter chamber formed by adjacent filter plates.

Filter Cloth Supplies

- Special material :
Quality material mixed with imported nylon silk. Permanent shape through high pressure with sulfur.
- Durability of filter cloth guarantee :
Smooth and silky surface. The filter cloth is never damaged so the lifetime can be assured.
- Excellent drainage system :
Special design for heavy and fast water release.
- Special material :
High temperature and acid/alkali resistance.

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Filter Press



FILTRATION SYSTEM

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Filter Press KS

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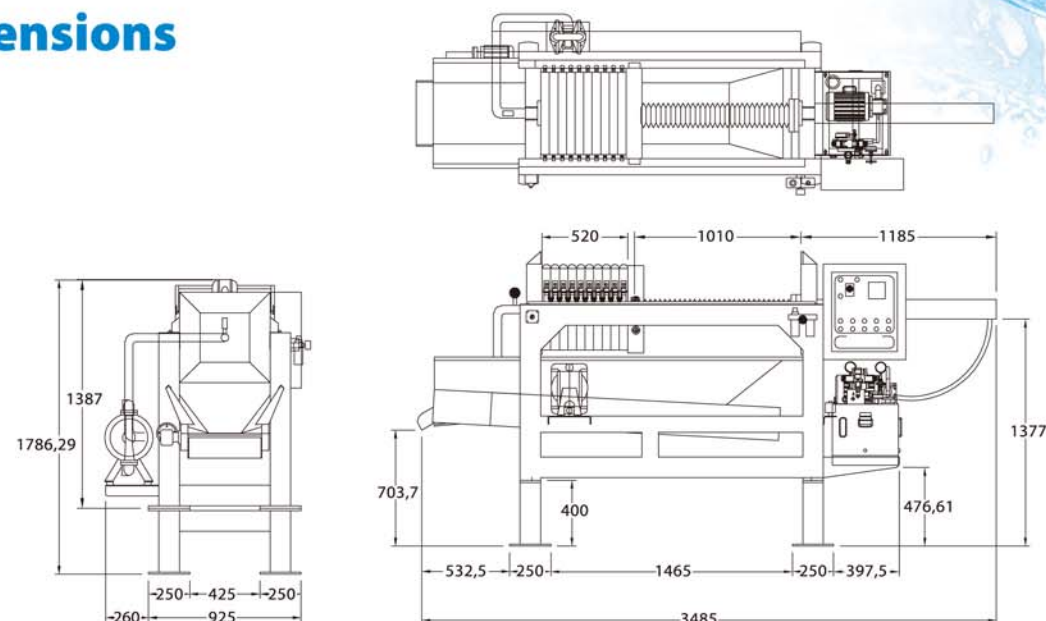
Press material of high concentrations into the filter chamber by the high-pressure pneumatic diaphragm pump. Then produce solidified filter cake and clear filtrate by high-pressure dehydration.

The osmotic pressure of the filter press can be up to 6-7 kg per square centimeter. It is available to produce 50-75% filter cake according to their product and process characteristics.

KS Filter Press is suitable for wastewater treatment, chemical, food, oil industry, printed circuit boards and industrial wastewater of information appliances, steel pickling waste, sludge sedimentation of water plant, etc.

It is the ideal equipment for filtering, washing, solid-liquid separation and other needs.

Dimensions



Features

- Good effects of dehydration and reduction (65% to 75%) and lower costs of follow-up treatment.
- Less power consumption, liquid agents are not absolutely needed, lower operating costs.
- A wide range of application, feeding concentration is acceptable within 2~10%.
- The filter cloth is not easy for blocking but easy to clean with little water consumption.
- Parts are good quality with rigorous testing, so equipment failure rate is low.
- Short filter pressing time improves treating capacity.

Specification

1. Product : KS Filter Press
2. Type : Transmission type (semi-automatic)
3. Model : KS-50-10
4. Moisture content of compressed filter cake : 70~80% Depending on the concentration and properties of liquid.
5. Filtration area : 3.3 m²
6. Filter cake volume : 49L

Machine equipment

Main machine	Material	SS400 square steel , integrated gas welding, which is processed for shock compression resistant EPOXY anti-corrosion treatment twice on both the end and surface Contact material : PP or PVC material
	Plate material	PP
Option	Work station	SS400 + EPOXY anti-corrosion treatment twice on both the end and surface (one-sided type) Pedal in the frame : PP
	Rack of package	SS400 + EPOXY anti-corrosion treatment twice on both the end and surface Detachable Size : 1200x1200x1200mm highly scalable type (with single pallet)
Dimensions	Appearance of main machine	L3650xW1000xH1400 mm (Based on the real machine)
Plate type	Feeding from the middle gate, quick to discharge by durable cellular point contact. Drainage patterns : Lower or side (PVC pipes)	
Plate size	500mm x 500mm x 50t	
Plate number	10 pcs	
Conveyor	The conveyor belt (imported from Italy) : PU- chemical resistant	
	Drive motor : 1/4 HP drive motor with reducer	
	The fences on both sides are SS400+ the new curettage device for filter cake seepage	
	SUS304 stainless steel drain trough	
	Zinc coated roller surface + EPOXY anti-corrosion treatment twice on both the end and surface	
Way of filter cake mold	Conveyor belt specification : W400mm	
	Belt weight : 2.5kg/m ²	
	Tensile strength : 1.2kg/cm	
Feeding tube	SUS304 stainless steel pipe fitting joint	

Hydraulic system

Hydraulic motor	KOSPASS 2HP × 6P High pressure equipped with a pressure detection compensation system
Hydraulic Pump	KOSPASS Series Special Pump Specification : KP-0540, with pressure gauge
Hydraulic Tank	SS400 L500xW400xH370mm
Solenoid valve	KOMPASS : D4-02-3C3-A25 One unit
Cylinder	Type : High pressure type ø100xø65x1100 mm One unit
Dust cover	Material : Special new surface of steel wire, chemical resistant Specification : #500

Automatic Control Box : Double Anti-Splashed Baked Finish Control Box Specification : L580xW490xH190 mm

RY Control System is supplied by Taiwan " Mitsubishi"- automatic operation. Operation process is Feed in→Filter→Squeeze→Place still and drain by air pressure→Pushing board auto open→Filter cake loose and fall→Discharge

The control panel is equipped with emergency stop button and manual operating switch for maintenance and adjustment.

Special Filter Cloth

(Imported from Germany or of the same standard)-S22005Z Full plasticization
Permeability : specialized for SCC, hanging type, excellent filtering function
Material : 100%Polypropylene , high efficiency filter cloth
(pressure resistant and acid/alkali proof materials)
Unique design : quick release hook and stainless steel chain for easy replacement of filter cloth.

Pneumatic Diaphragm Pump (ARO, imported from the US)

Material : Aluminum
Diameter : 1", with F.R.L combination unit
Patent new type : Jam free and anti-frozen machine with pneumatic disposable valve
(suitable for ordinary water)

Accessories:

1. One filter cake scraper
2. One set of filter cloth renewal handle
3. One sludge dehydrator operation instruction