

Filter Press

What Is LZZG Filter Press?

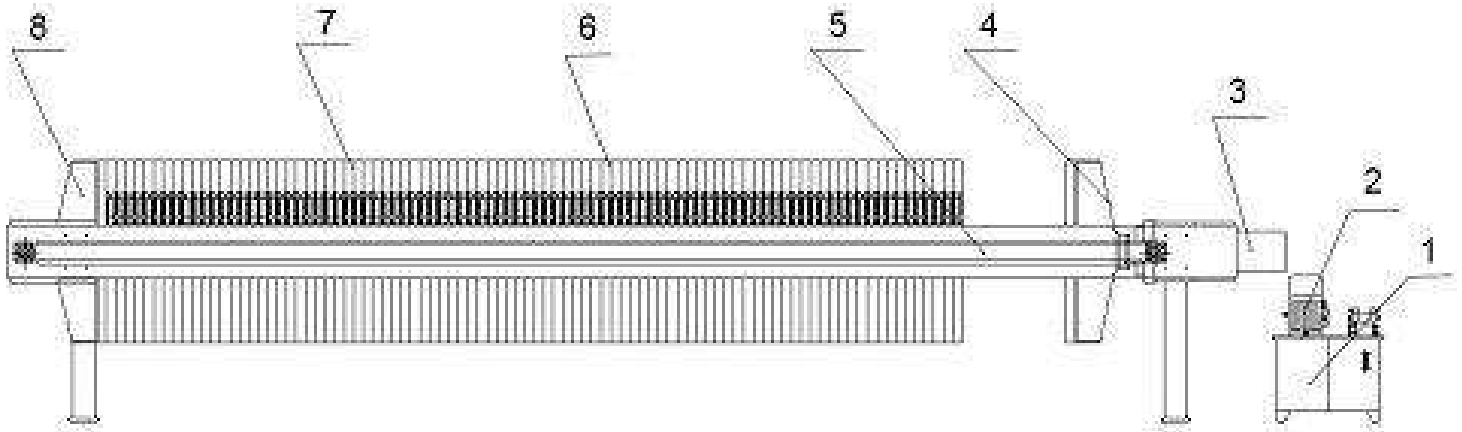
LZZG filter press is a piece of sludge dewatering equipment that separates liquids and solids using pressure filtration. When working, slurry will be pumped into filter presses and dewatered with pressure. Each Filter press need to be designed based on the types of slurry as well as the volumes.

Our filter presses are supplied for a wide application in municipal & industrial industries. Feed mud concentration always be 30%-40%, then mud will become mud cake and the humidity is around 20% after processed by the filter presses.

LZZG filter press is a kind of Plate and Frame Filter Press, some now call it as “membrane filter plate”, LZZG also provide Belt Filter Press.

Filter Presses Components

The 8 main components of a filter press:



1. Hydraulic Station (Hydraulic Systems)
2. Cylinder
3. Pressing Plate
4. Beam
5. Filter Plates
6. Push Plate
7. Filter Cloths
8. Filter Press Pump



The terms used to describe the components may vary slightly from different manufacturers, but the main function still remain the same.

LZZG is professional manufacturer of filter presses: automatic filter press, recessed plate filter press and membrane filter press are on sale, any question inquiry us now.

How Does Filter Press Work?

Filter presses working principle: slurry is pumped into the filter presses, the mixture flows through the filter medium (filter cloth), the solids stay on the filter cloths, forming filter cake; the filtrate exits the filter plates through the corner ports into the manifold, If it is not wanted the filtrate can be drained away for safe disposal.

Filter press is a pressure filtration method, which has the characteristics of fixed volume and batch operation, when filter press feed pumps generate pressure, solids build up in chambers until they are completely chock-full of. Once the chambers are full of solids, a cycle is over and the filter cakes will release. LZZG filter presses (or plate and frame filter presses) are designed for bad environment such as mines or sludge treatment plants, which can 24-hour operation.

Technical Specification

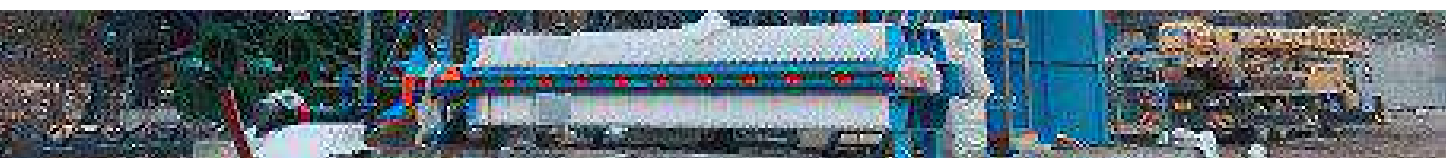
Model	Feed concentration (%)	Filter area(m ²)	Power (kw)	Production (t/h)	Weight (kg)	Dimension(L*W*H) (mm)
G50-80	20-40	50	15	1-1.5	3456	4110*1400*1230
G80-80	20-40	80	15	1-2	4584	4990*1400*1230
G100-100	20-40	100	24	2-3	6628	4900*1990*1600
G150-125	20-40	150	27.5	3-5	9800	6010*2000*1600
G200-125	20-40	200	35.5	4-6	12500	7050*2260*1600
G250-125	20-40	250	44.5	5-7	14000	7890*2260*1600
G300-125	20-40	300	52.5	6-8	25000	8800*2260*1925
G400-150	20-40	400	62.5	9-11	30000	10670*2260*1925
G500-150	20-40	500	82.5	11-12	36500	12350*2260*1925



Technology Advantages

- 1.Filter plates are high strength, light weight, corrosion resistance, acid and alkali, non-toxic and tasteless.
- 2.The frame rack is high strength, stable structure, long service life.
- 3.Automatic pull plate, liquid automatic access, operation panel is simple and safe, high degree of automation.
- 4.Hydraulic system is used as the power unit, the maximum pressure is 25MPa.

Working Site



Finished Products



More About Filter Presses You May Consider?

How to install filter presses?

Working principle of plate and frame filter press

Filter press used in coal mines

Belt press vs Filter press

Belt filter press for sludge dewatering

How to select belt press and filter press?

What is plate and frame filter press?

How about filter press machine price

Filter press operation guide pdf

<http://www.lzzgchina.com/products/sand-processing-equipment/filter-press.html>

