

Electroplating Equipment for Jewelry | 80 L/min

Chemical Liquid Medicine Filter

Glandless circulation filter that keeps a plating or electroforming bath clean while it runs.



A PP injection-moulded filter body with a zero-leakage glandless pump, four 20 inch elements, 80 L/min flow and 150 W draw, built for the circulating filtration of plating solutions, electroforming solutions, chemical liquids and pure water.

The problem it is built for

Plating thickness, brightness and adhesion all track solution cleanliness, and a bath fills with sludge and fine particles long before anyone decides to dump it. Continuous side-stream filtration is the cheapest way to stop a whole day of plated work going out of spec.

Published specification

Parameter	Value
Product name	Industrial filter, chemical water filtration system
Brand	XHF
Available material	PP, PVDF, acrylic
Power	150 W
Filtration capacity	80 L/min
Filtration area	1 cbm
Filter element qty	20 inch x 4 pc
Outlet and inlet diameter	1 inch
Temperature	70 C (acrylic version up to 60 C)
Applicable plating bath	800 ton
Weight	37 kg
Warranty	1 year
Place of origin	Guangdong, China
Supply ability	1000 sets per month

Chemical Liquid Medicine Filter - features and applications

What is built into it

Feature	What it does
Zero-leakage glandless pump	No shaft seal to fail, so there is no slow drip of plating solution under the unit and no loss of a bath that has gold dissolved in it.
Four 20 inch elements, 1 cbm of area	Wide filtration area at 80 L/min, which is what lets it pull fine particles and sludge out of a live bath without throttling circulation.
PP, PVDF or acrylic body	PP for high temperature and aggressive chemistry, transparent acrylic when you want to see the bath running, PVDF where the chemistry demands it.
Activated carbon option	Carbon granules can be loaded into the filter bag, with the liquid then passing through the element for a second filtration stage, for organic contamination rather than particulate.
Element change without a service call	Quick element replacement and easy cleaning, which is the difference between filtering continuously and filtering when someone gets round to it.

Where it is used

- Circulating filtration of electroplating and electroforming solutions
- Chemical processing and pure water systems
- Wastewater treatment duty on acid and alkali streams
- Laboratory and pilot-scale liquid clarification

Questions buyers ask

What flow and what element size?

80 L/min through four 20 inch elements, 1 inch inlet and outlet, 1 cbm of filtration area, 150 W.

How hot can the liquid be?

70 C for the standard build. The transparent acrylic version is rated to 60 C; PP is the choice for both high temperature and chemically aggressive service.

Which bath sizes is it sized for?

The source specification lists it as applicable for plating baths up to 800 ton.

Can it handle strong acid and alkali?

The body is PP injection moulding, specified for resistance to strong acids and bases. PVDF is available where the chemistry is harsher still.

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