

Scrub UF

Thin film ultrafiltration with screen retained circulating rubber media. The media cleans the membrane surface. No backwash.

2 to 42 m³/h 8.8 to 185 gpm selected permeate range	80 to 1,050 m² 861 to 11,302 ft² selected range	Circulating media Rubber media scrubs the membrane surface	No backwash Screen retained media, CIP by project
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SELECTED UNIT ENVELOPES

Packaged UF sizes

MODEL	AREA	ENVELOPE	PERMEATE
SCRUB UF80	80 m² 861 ft²	1,000 × 1,000 × 1,800 mm 39.4 × 39.4 × 70.9 in	2 to 4 m³/h 8.8 to 17.6 gpm
SCRUB UF260, 1	260 m² 2,799 ft²	1,200 × 2,200 × 2,250 mm 47.2 × 86.6 × 88.6 in	7.8 to 10.4 m³/h 34.3 to 45.8 gpm
SCRUB UF260, 2	520 m² 5,597 ft²	2,300 × 2,200 × 2,250 mm 90.6 × 86.6 × 88.6 in	15.6 to 20.8 m³/h 68.7 to 91.6 gpm
SCRUB UF350, 1	350 m² 3,767 ft²	1,200 × 2,200 × 2,530 mm 47.2 × 86.6 × 99.6 in	10.5 to 14.0 m³/h 46.2 to 61.6 gpm
SCRUB UF350, 3	1,050 m² 11,302 ft²	3,350 × 2,200 × 2,530 mm 131.9 × 86.6 × 99.6 in	31.5 to 42.0 m³/h 138.7 to 184.9 gpm

Selected range 80 to 1,050 m² (861 to 11,302 ft²). Selected range 2 to 42 m³/h (8.8 to 185 gpm). 80 m² trial unit available as Scrub UF80.

CLEANING ACTION

No backwash. Surface cleaning by circulating media.

- Rubber media circulates around the thin film cassette and mechanically scrubs the membrane surface.
- Screens retain the media inside the unit.
- There is no backwash cycle. Media size, fill ratio, maintenance clean trigger, and CIP recipe are confirmed on the quotation and project O&M.

FLOW BASIS

Feed dependent selection

Published permeate bands are surface water guidance. Actual flux and flow depend on solids, temperature, fouling behavior, and pretreatment. Circulating rubber media provides continuous surface cleaning. Thin film cassette inside the packaged UF unit.

FAMILY NOTE

Two families

The table above shows the 3.5 mm family. A 4.0 mm family also exists as Scrub UF210 and Scrub UF280. Materials, media details, and CIP chemistry remain project specific.

Zyramic manufactures the modules.

Choose Scrub when UF needs surface cleaning without backwash. It is a complementary UF option for sticky or fluctuating suspended solids and packaged unit deployment. Duty: UF only, including surface water guidance.