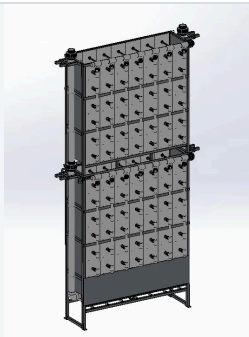


# Swing-8-6-8

Swing MBR module · 600 m<sup>2</sup> · thin-film composite flat sheet



## Product overview

The Swing-8-6-8 is a Zyramic Swing flat-sheet MBR module: 48 Swing-8 cartridges in a SUS304 frame, built for coarse-bubble scour and cartridge-level service. Footprint is close to hollow fiber, so existing tanks often take Swing one-for-one with new permeate plumbing and guide rails.

## Key features

- Thin-film composite flat-sheet membranes (permanently wetted dry film)
- PVDF or PVDF with graphene
- Heavy-duty thick membrane, reinforced weld area and small sheet size: very safe from delamination
- Footprint close to hollow fiber; often a 1:1 retrofit with new plumbing and guide rails
- Coarse-bubble air scour (not fine bubble)
- CIP with NaClO + citric acid in reverse flow + relaxation; no pressurized backwash
- Service a cartridge, not a module: swap in about two hours
- Can be BABA compliant at the module · SUS304 frame

## Technical specifications

| Parameter                  | Value                                                                                            | Unit                 |
|----------------------------|--------------------------------------------------------------------------------------------------|----------------------|
| Cartridge type             | Swing-8 (12.5 m <sup>2</sup> , 114 sheets, 528 × 520 × 252 mm, 11.3 kg)                          |                      |
| Decks × columns            | 6 × 8 (two 3-deck sections, gap + 4-sided enclosure)                                             |                      |
| Cartridges                 | 48                                                                                               |                      |
| Membrane area              | 600                                                                                              | m <sup>2</sup>       |
| Envelope L × W × H         | 2,400 × 700 × 4,250                                                                              | mm                   |
| Dry weight (uncrated)      | 670 kg                                                                                           |                      |
| Municipal net capacity     | 210                                                                                              | m <sup>3</sup> /d    |
| Membrane                   | PVDF or PVDF + graphene, thin-film composite flat sheet                                          |                      |
| Specific air (approx.)     | ~5.5–6 (per 3-deck section, two sections)                                                        | L/min·m <sup>2</sup> |
| Air scour                  | Coarse bubble, continuous (MBR)                                                                  |                      |
| Design flux, municipal     | 15–25 (15 long life / 20 average / 25 peak; ~20% net derate)                                     | LMH                  |
| Industrial flux            | Sized to the feed, typically <15                                                                 | LMH                  |
| Filtration cycle           | 8 min on / 2 min relaxation                                                                      |                      |
| CIP maintenance, municipal | NaClO 300–500 mg/L or citric 500–1,000 mg/L · 2.0 L/m <sup>2</sup> · >30 min · every 7–10 d      |                      |
| CIP recovery, municipal    | NaClO 3,000–5,000 mg/L then citric 1–2% · each 2.5 L/m <sup>2</sup> · >4 h · ~20 kPa TMP or 6 mo |                      |
| Submergence                | >50 cm liquid above membrane top (>30 cm small modules)                                          |                      |
| Module spacing             | 40–60 (outer legs)                                                                               | cm                   |

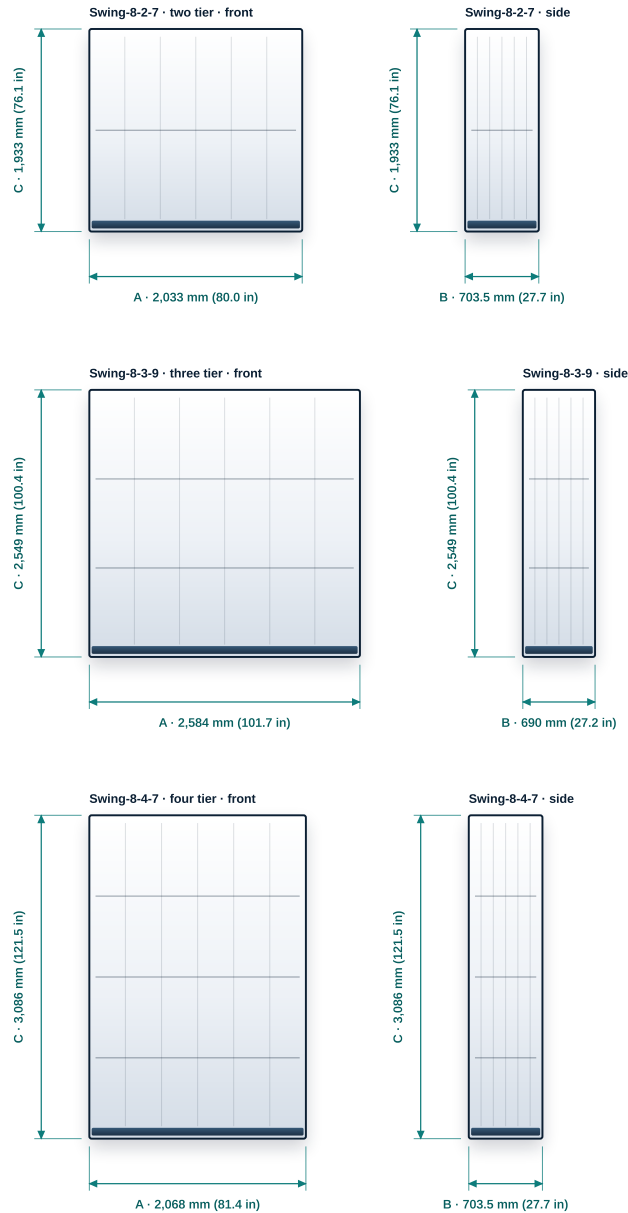
Manufacturer: Zyramic, Inc., Poughkeepsie, NY. Flux and capacity are Zyramic design values; your proposal sets the design point for your feed. Call 845-402-6318.

# Swing-8-6-8

Swing family dimensional drawing (Swing-8-2-7 and 8-3-9 shown; model envelope in spec table)

## Swing MBR module dimensions

Cartridge-only net dry weights. See data sheet.



Overall dimensions for planning. A overall length, B overall width, C overall height. Certified dimensional drawings are issued with the project quotation and submittal package.  
Zyramic, Inc. [www.zyramic.com](http://www.zyramic.com)