

RAS Skid Filtration Systems

A skid is an equipment arrangement, not a fixed treatment recipe. Match the mechanical, biological and optional disinfection stages to your actual feed load and water conditions.

Information for equipment selection

- Filter flow and head
- Species, biomass and daily feed
- Water temperature and salinity
- Required treatment stages and standby provision
- Skid footprint, utilities and drainage

Technical limits and confirmation

A project duty schedule replaces a universal model table. Catalogue illustrations do not establish a skid flow rating, electrical load or footprint.

Installation planning

Agree a process diagram, equipment schedule and responsibility boundary before manufacture. Provide a level base, lifting route, isolation valves, drainage and the specified electrical supply.

Warranty and dispatch

One-year warranty from invoice date covers the body and supplied components. Normal wear, improper operation and physical damage are excluded. Equipment dispatch is within 15 working days after order confirmation; transit is additional. Custom project installation and commissioning schedules are agreed in the quotation.

Request the final datasheet and approved drawing before ordering. This selection guide does not replace a rated equipment specification.

<https://pureflowbio.com/aquaculture-equipment-aquarium/recirculating-aquaculture-skid-filtration-units/>

Live Feed Production Systems

Separate hatching, enrichment and harvest duties so the equipment can be cleaned and operated consistently. Culture output depends on stocking, aeration, temperature, salinity and the biological protocol.

Information for equipment selection

- Organism and required daily harvest
- Culture protocol and batch duration
- Working fill level per vessel
- Aeration, lighting and water quality
- Cleaning and harvest access

Technical limits and confirmation

The catalogue describes four vessels of 18.5 litres on one table, with an individual valve and camlock for collection and drainage. It does not specify a guaranteed live-feed yield.

Installation planning

Provide a washable location, clean water supply and a controlled drain route. Keep access around every vessel and confirm any lighting or air equipment in the supply schedule.

Warranty and dispatch

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<https://pureflowbio.com/aquaculture-equipment-aquarium/live-feed-production-systems/>

Algae Culture Skid Systems

Specify the culture organism and production protocol before choosing hardware. Vessel volume or installed lighting alone does not establish a biomass output.

Information for equipment selection

- Algal species and target harvest
- Working culture volume
- Light spectrum and photoperiod
- Temperature and cooling load
- Nutrient, CO2 and cleaning protocol

Technical limits and confirmation

The supplied complete catalogue contains no numerical algae-skid model schedule. The existing product description identifies the configurable components below; final ratings are quotation-specific.

Installation planning

Confirm the culture layout, electrical supply, ventilation and cleaning route. Position lighting and controls to suit access and the actual moisture exposure.

Warranty and dispatch

One-year warranty from invoice date covers the body and supplied components. Normal wear, improper operation and physical damage are excluded. Equipment dispatch is within 15 working days after order confirmation; transit is additional. Custom project installation and commissioning schedules are agreed in the quotation.

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<https://pureflowbio.com/aquaculture-equipment-aquarium/algae-reproduction-skid-systems/>

Static Screen Filters

Choose the opening and effective screen area for the actual solids and hydraulic duty. A photograph of a screen arrangement is not a verified flow rating.

Information for equipment selection

- Peak water flow
- Particle size and solids concentration
- Required screen opening and area
- Available operating head
- Solids removal and screen-cleaning method

Technical limits and confirmation

No rated static-screen model table is provided in the supplied complete catalogue. Agree screen opening, area and hydraulic duty in the model-specific datasheet.

Installation planning

Set the unit at the approved levels and provide safe access to the screening surface. Include any feed pump, wash equipment and moving components in the installation plan.

Warranty and dispatch

One-year warranty from invoice date covers the body and supplied components. Normal wear, improper operation and physical damage are excluded. Equipment dispatch is within 15 working days after order confirmation; transit is additional. Custom project installation and commissioning schedules are agreed in the quotation.

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<https://pureflowbio.com/aquaculture-equipment-aquarium/static-screen-filter-aquaculture/>

Bakki Shower Filters

Plan the shower as a biological stage with an open cascade return. Confirm media loading, inlet distribution, available height and pump duty before choosing a size.

Information for equipment selection

- Daily feed and biological load
- Design flow at the filter inlet
- Media type and quantity
- Pump head to the upper tray
- Outlet clearance and splash management

Catalogue model references

BSF-370, BSF-540, BSF-1000, BSF-1500, BSF-2000

Technical limits and confirmation

Catalogue values describe the BSF shower series. This BSF prefix also appears on a different product family, so specify Bakki shower when enquiring. Confirm the BSF-2000 bottom length before manufacture.

Installation planning

Provide a level support with sufficient load capacity and access above the upper tray. Check the pump duty at the installed elevation and keep the return outlet unobstructed.

Warranty and dispatch

One-year warranty from invoice date covers the body and supplied components. Normal wear, improper operation and physical damage are excluded. Equipment dispatch is within 15 working days after order confirmation; transit is additional. Custom project installation and commissioning schedules are agreed in the quotation.

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<https://pureflowbio.com/aquaculture-equipment-aquarium/bakki-shower-koifish/>

Moving Bed Biofilters (MBBR)

Select the reactor for feed-derived ammonia loading and the actual operating conditions. Hydraulic flow and vessel size do not establish a nitrification guarantee.

Information for equipment selection

- Peak daily feed and TAN load
- Water temperature and salinity
- Dissolved oxygen and alkalinity
- Media type, fill and design loading
- Hydraulic flow and operating levels

Catalogue model references

PF MBB-20, PF MBB-60, PF MBB-215, PF MBB-275

Technical limits and confirmation

The PF MBB catalogue flow values are hydraulic listings. Model PF MBB-215 is listed at 210 m³/h and PF MBB-275 at 280 m³/h; model numbers must not be substituted for the published flow.

Installation planning

Check inlet and outlet elevations, support loading and access to the retention screens. Confirm the blower duty and pipe losses against the selected installation.

Warranty and dispatch

One-year warranty from invoice date covers the body and supplied components. Normal wear, improper operation and physical damage are excluded. Equipment dispatch is within 15 working days after order confirmation; transit is additional. Custom project installation and commissioning schedules are agreed in the quotation.

Request the final datasheet and approved drawing before ordering. This selection guide does not replace a rated equipment specification.

<https://pureflowbio.com/aquaculture-equipment-aquarium/moving-bed-biofilter-reactors-mbbr-aquaculture/>

Trickle Filters

Allow enough pumping head for the distribution stage and enough ventilation for the selected media bed. Biological capacity depends on loading and operating conditions.

Information for equipment selection

- Feed and ammonia load
- Selected media volume and loading
- Water distribution rate
- Ventilation and available head
- Cleaning and inspection access

Technical limits and confirmation

The complete catalogue has no dedicated trickle-filter model table. Biological-filter BF models are a different arrangement and are not presented as trickle-filter ratings.

Installation planning

Provide an adequately supported tower and unrestricted service access. Agree the pump duty, ventilation openings and gravity return levels before installation.

Warranty and dispatch

One-year warranty from invoice date covers the body and supplied components. Normal wear, improper operation and physical damage are excluded. Equipment dispatch is within 15 working days after order confirmation; transit is additional. Custom project installation and commissioning schedules are agreed in the quotation.

Request the final datasheet and approved drawing before ordering. This selection guide does not replace a rated equipment specification.

<https://pureflowbio.com/aquaculture-equipment-aquarium/trickle-filters-aquaculture/>

UV Disinfection Systems

Choose a unit against the required treatment target, design flow and UV transmittance. Catalogue flow and lamp watts alone do not establish the delivered UV dose.

Information for equipment selection

- Required organism or treatment target
- Design flow and minimum UV transmittance
- Suspended solids and pretreatment
- Validated dose at end of lamp life
- Lamp access, supply and monitoring

Catalogue model references

UV-1, UV-5, UV-10, UV-20, UV-50, UV-100, UV-250, PF436/HO, PF793/HO, PF846/HO, PF893/HO, PF1148/HO, PF1554/HO

Technical limits and confirmation

Normal and maximum flow are catalogue hydraulic listings, not validated dose ratings. UV power is reproduced as listed; confirm whether it is per lamp or total lamp power. High-output lamp voltages are lamp operating values, not assumed mains requirements.

Installation planning

Provide isolation, a drain route and enough clearance to remove lamps and sleeves. Confirm chamber orientation, electrical protection and the actual lamp-ballast supply requirements.

Warranty and dispatch

One-year warranty from invoice date covers the body and supplied components. Normal wear, improper operation and physical damage are excluded. Equipment dispatch is within 15 working days after order confirmation; transit is additional. Custom project installation and commissioning schedules are agreed in the quotation.

Request the final datasheet and approved drawing before ordering. This selection guide does not replace a rated equipment specification.

<https://pureflowbio.com/aquaculture-equipment-aquarium/uv-disinfection-systems-aquaculture/>

Ozone Generators

Specify output at the actual feed-gas purity, concentration and cooling conditions. The generator must be coordinated with contact treatment, residual monitoring and off-gas management.

Information for equipment selection

- Required ozone mass output
- Feed-gas purity, pressure and dryness
- Target gas concentration
- Contact and residual-removal duty
- Ventilation, alarms and interlocks

Catalogue model references

PFO-15G, PFO-20G, PFO-30G, PFO-50G, PFO-100G

Technical limits and confirmation

The catalogue table labels output as G without an explicit time denominator and contains inconsistent concentration and packing units. Confirm g/h output and those fields before ordering; no water-treatment capacity is inferred from room-area figures.

Installation planning

Use a complete ozone-system design covering compatible materials, contact treatment, off-gas destruction, ventilation and monitoring. Agree commissioning checks before introduction to a live aquatic system.

Warranty and dispatch

One-year warranty from invoice date covers the body and supplied components. Normal wear, improper operation and physical damage are excluded. Equipment dispatch is within 15 working days after order confirmation; transit is additional. Custom project installation and commissioning schedules are agreed in the quotation.

Request the final datasheet and approved drawing before ordering. This selection guide does not replace a rated equipment specification.

<https://pureflowbio.com/aquaculture-equipment-aquarium/ozone-generators-aquaculture/>

Ozone Contact Chambers

The chamber is one part of an ozone system, not a standalone assurance of treatment. Define gas transfer, residence conditions, residual control and off-gas handling together.

Information for equipment selection

- Water flow and ozone demand
- Effective contact volume
- Operating pressure and gas transfer
- Residual monitoring and off-gas flow
- Materials, return-water limits and ventilation

Technical limits and confirmation

No model-specific contact-chamber table is supplied in the complete catalogue. Generator output figures must not be reused as chamber hydraulic or contact-time ratings.

Installation planning

Confirm the pressure design, bypass and isolation arrangements with the approved drawing. Provide the specified off-gas treatment, drainage and monitoring before commissioning.

Warranty and dispatch

One-year warranty from invoice date covers the body and supplied components. Normal wear, improper operation and physical damage are excluded. Equipment dispatch is within 15 working days after order confirmation; transit is additional. Custom project installation and commissioning schedules are agreed in the quotation.

Request the final datasheet and approved drawing before ordering. This selection guide does not replace a rated equipment specification.

<https://pureflowbio.com/aquaculture-equipment-aquarium/ozone-contact-chambers-aquaculture-india/>

Ozone Destruct Units

Size the unit for gas flow, ozone concentration, moisture and the required outlet conditions. An off-gas destruct unit is not automatically a dissolved-ozone treatment stage.

Information for equipment selection

- Maximum gas flow
- Inlet ozone concentration
- Temperature and humidity
- Allowable pressure drop
- Required outlet concentration and monitoring

Technical limits and confirmation

No verified destruct-unit model table is present in the complete catalogue. A generator's g/h output alone does not size an off-gas destruct vessel.

Installation planning

Confirm condensate management, gas routing and allowable backpressure. Coordinate the unit with the contact chamber, ventilation and the supplied alarm strategy.

Warranty and dispatch

One-year warranty from invoice date covers the body and supplied components. Normal wear, improper operation and physical damage are excluded. Equipment dispatch is within 15 working days after order confirmation; transit is additional. Custom project installation and commissioning schedules are agreed in the quotation.

Request the final datasheet and approved drawing before ordering. This selection guide does not replace a rated equipment specification.

<https://pureflowbio.com/aquaculture-equipment-aquarium/ozone-destruct-units/>

Oxygen Cones

Define oxygen demand, water flow and operating pressure before selection. Vessel shape alone does not establish oxygen-transfer efficiency or a safe stocking density.

Information for equipment selection

- Peak oxygen demand
- Inlet and target dissolved oxygen
- Water flow and temperature
- Available operating pressure
- Oxygen purity and gas supply capacity

Technical limits and confirmation

The complete catalogue does not provide a numerical oxygen-cone model schedule. No transfer percentage, fish biomass or flow capacity is inferred from photographs.

Installation planning

Confirm vessel pressure limits, pump head and compatible oxygen-service components. Provide the specified monitoring and follow oxygen-system operating instructions.

Warranty and dispatch

One-year warranty from invoice date covers the body and supplied components. Normal wear, improper operation and physical damage are excluded. Equipment dispatch is within 15 working days after order confirmation; transit is additional. Custom project installation and commissioning schedules are agreed in the quotation.

Request the final datasheet and approved drawing before ordering. This selection guide does not replace a rated equipment specification.

<https://pureflowbio.com/aquaculture-equipment-aquarium/oxygen-cones-aquaculture/>

Degassing Towers

Select the tower for the gas-removal duty and water conditions as well as hydraulic flow. Coordinate packing, air supply, ventilation and the available pumping head.

Information for equipment selection

- Water flow and temperature
- Measured inlet CO₂ and other dissolved gases
- Target outlet conditions
- Airflow and ventilation route
- Available head and service clearance

Catalogue model references

DGT-25, DGT-50, DGT-100, DGT-150

Technical limits and confirmation

The catalogue labels media volume as 110–200 m³, inconsistent with the listed vessel dimensions. Media volume is therefore marked for confirmation rather than silently relabelled as litres. Overall and tank heights also require drawing confirmation.

Installation planning

Check the support, inlet elevation and gravity outlet route. Direct the exhaust air through the agreed ventilation arrangement and allow access to the contact internals.

Warranty and dispatch

One-year warranty from invoice date covers the body and supplied components. Normal wear, improper operation and physical damage are excluded. Equipment dispatch is within 15 working days after order confirmation; transit is additional. Custom project installation and commissioning schedules are agreed in the quotation.

Request the final datasheet and approved drawing before ordering. This selection guide does not replace a rated equipment specification.

<https://pureflowbio.com/aquaculture-equipment-aquarium/degassing-deaeration-solutions-aquaculture/>

Overflow Launders

Coordinate weir length, level, channel section and outlet capacity with the vessel. A launder is a hydraulic collection component, not a disinfection stage.

Information for equipment selection

- Peak overflow rate
- Available weir length
- Working level and allowable head rise
- Channel width, depth and slope
- Outlet size, downstream level and blockage access

Technical limits and confirmation

The catalogue lists launder dimensions within radial flow settler models, not as standalone launder ratings. Those settler dimensions are not presented as a universal launder model table.

Installation planning

Level the weir to the approved datum and support the channel adequately. Check the maximum downstream water level and provide an accessible debris-removal route.

Warranty and dispatch

One-year warranty from invoice date covers the body and supplied components. Normal wear, improper operation and physical damage are excluded. Equipment dispatch is within 15 working days after order confirmation; transit is additional. Custom project installation and commissioning schedules are agreed in the quotation.

Request the final datasheet and approved drawing before ordering. This selection guide does not replace a rated equipment specification.

<https://pureflowbio.com/aquaculture-equipment-aquarium/overflow-launders/>

Aquaculture Tanks

Select working volume, water depth and drainage together. Nominal tank volume alone does not establish fish carrying capacity or a complete RAS design.

Information for equipment selection

- Species and production stage
- Working water volume and freeboard
- Tank diameter or length and width
- Water depth, supports and floor loading
- Inlet, bottom drain and overflow layout

Catalogue model references

PFT-8, PFT-18, PFT-47, PFT-106, PFT-141, PFT-251, PFT-589

Technical limits and confirmation

Catalogue diameter and height values are printed under mm headers although the values are 1–5 and 1–3. These dimension units require confirmation. Listed water volumes are reproduced without silently changing the dimensional units.

Installation planning

Use a suitable support surface and verify floor loading and access before filling. Follow the approved drawing for pipe loads, anchors and drainage connections.

Warranty and dispatch

One-year warranty from invoice date covers the body and supplied components. Normal wear, improper operation and physical damage are excluded. Equipment dispatch is within 15 working days after order confirmation; transit is additional. Custom project installation and commissioning schedules are agreed in the quotation.

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<https://pureflowbio.com/aquaculture-equipment-aquarium/aquaculture-tanks-plastic-tanks-ras-tanks/>

Aquarium Lighting

Define the water depth, display area, livestock or planting and mounting conditions. Electrical watts alone do not establish PAR, spectrum or suitability for immersion.

Information for equipment selection

- Tank footprint and water depth
- Livestock, planting and spectrum
- PAR or illumination target
- Mounting location and verified IP rating
- Electrical supply, controls and access

Technical limits and confirmation

No fixture model, power, spectrum, PAR or IP rating schedule is given in the complete catalogue. Request the actual fixture datasheet; an aquarium image is not evidence of those ratings.

Installation planning

Confirm whether the fixture is above water, exposed to splash or rated for immersion. Provide the specified electrical protection, mounting and service access.

Warranty and dispatch

One-year warranty from invoice date covers the body and supplied components. Normal wear, improper operation and physical damage are excluded. Equipment dispatch is within 15 working days after order confirmation; transit is additional. Custom project installation and commissioning schedules are agreed in the quotation.

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<https://pureflowbio.com/aquarium-lights-lights-aquariums/>