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OWS3500/OWS7000

SCOPE & SAFETY

- Scope: Palletized, high-capacity IBC-based oil/water separators for large condensate loads; this is a brief overview, not a substitute for the full manual.
- Handling: Position/move with a forklift or similar; allow clear service access on a flat, level pad.
- Lockout/Tagout: Isolate condensate feeds and depressurize upstream before install or service.
- Environmental: Removed media/IBC contents are oily waste; dispose at a licensed facility.

SITE & UTILITIES

- Location: Flat, level, forklift-accessible pad; maintain a service envelope.
- Outlet to Drain: Route outlet with unrestricted gravity fall to an approved sewer; protect exterior runs from freezing.
- Feed Quality: All separators perform best with steady, low-disturbance flow ("little & often"): use zero-loss drains, or very short timed pulses ~1 s every 2–3 min.

PROCESS CONNECTIONS

- Inlets: Pipe condensate to one or both inlets on the pressure-relief chamber.
- Outlets: Maintain continuous fall to sanitary drain—no traps or lifts.
- Piping Materials: On large IBC separators always use flexible braided hose at the separator; avoid hanging galvanized/black-iron from diffuser connections.

INSTALLATION — HIGH-LEVEL SEQUENCE

- Position & Level the unit; verify pad, access, and service envelope.
- Pipe Inlets to the pressure-relief chamber (single or dual inlets).
- Pipe Outlets with continuous gravity fall to approved sewer; winterize any external runs.
- (Optional) Pre-fill: Not required; may offer marginal benefit if convenient.
- Final checks: Tight joints, labeled isolation points, correct falls, sampling jar on hand.

COMMISSIONING

- Open isolations gradually; confirm steady flow to outlet, no restrictions, and leak-free joints. Record baseline (date/time, unit ID).

OPERATIONS & QUALITY ASSURANCE

- Weekly outlet sampling: Use the supplied jar & opacity comparator. If sample cloudiness ≥ the strip, schedule service. Log results.
- Keep feed steady (zero-loss preferred; timed = short, frequent pulses).

SERVICE STRATEGY (MODULE SWAP)

- Interval: Up to 16,000 operating hours or when jar test indicates—whichever occurs first.
- Pre-service: Isolate/LOTO, confirm depressurized; close base outlet valve; disconnect feed(s) and outlet lines clear of the body.
- Swap: Remove the full IBC (oily waste) for licensed disposal; install new pre-filled IBC module, reconnect, tighten joints, and return to service.
- Post-service: Verify leak-free operation, steady outlet flow, and resume weekly sampling.

RECORDS & COMPLIANCE

- Maintain a log of installation checks, weekly samples, service dates, and disposal documentation for audits. Follow facility wastewater rules for discharge.

MULTI-SEPARATOR SYSTEMS (FLOW EQUALIZATION)

- Use EQUALFLOW-3 (Joruva condensate flow equalizer) to distribute unequal feeds evenly to 2–3 separators, keeping loads balanced and service intervals aligned.
- Install notes (EQUALFLOW-3): Level the unit; inlet from condensate lines only; do not block the top vent; max pressure 20 bar (290 psi); 1 inlet / 2–3 balanced outlets.
- For equal outlet runs, use ½" bore hose with steady fall; keep run lengths similar; support to avoid kinks. Target outlet height ≥24" (600 mm) above the separator inlets when wall-mounted.

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