

Coalescing plate separators

Installation guide

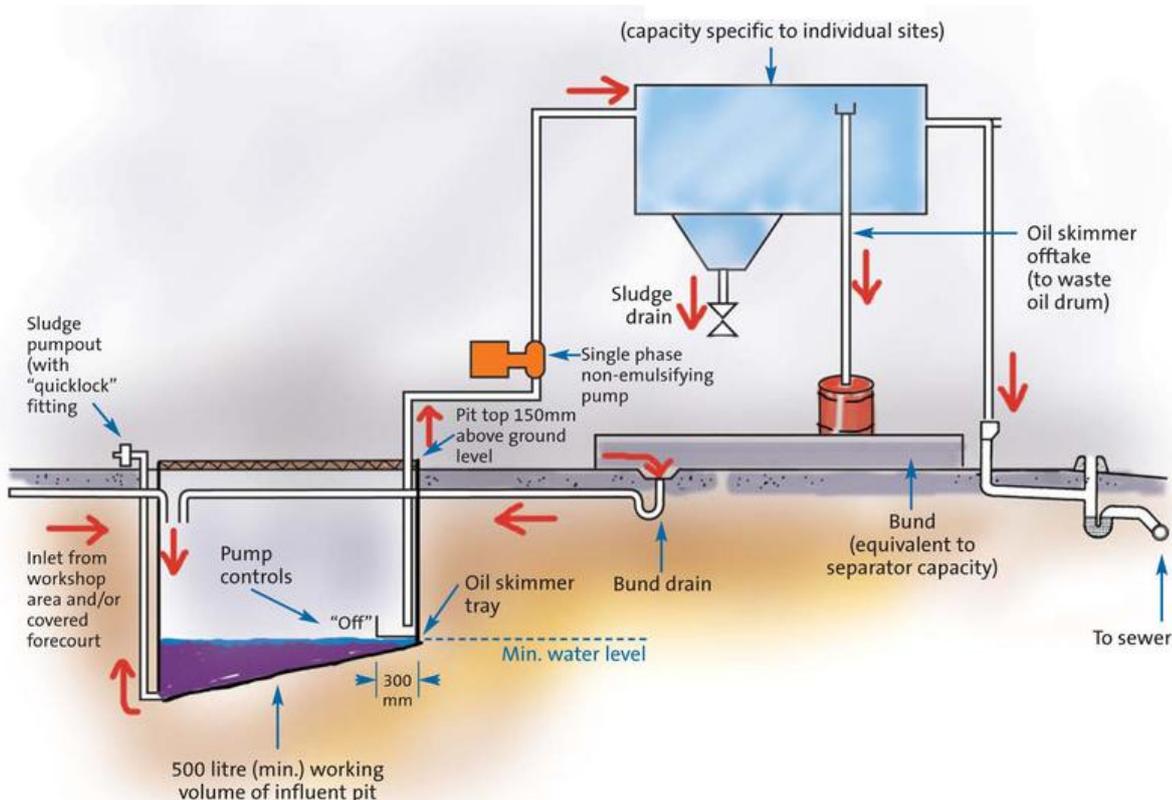
Plumbers have a critical role in correctly installing coalescing plate separators, so that they comply with Sydney Water's requirements.

Installation requirements

You must install the coalescing plate separator (CPS) according to the manufacturer's guidelines, Sydney Water's requirements and the plumbing and drainage must comply with the *Plumbing Code of Australia, 2012*.

You must have approval from Sydney Water to discharge trade wastewater. Contact Sydney Water at businesscustomers@sydneywater.com.au before you start any installation.

Preferred installation



Points to consider

Connection to sewer: Use a disconnecter gully with a riser pipe and inlet fitting and tundish. Locate the gully riser outside the bunded area. If the gully riser is within the bunded area, the top of the gully must be at least 100 mm above the bund height. The gully riser must be 100 mm diameter.

Boundary trap: There must be a boundary trap on all commercial and industrial properties with a gravity connection to the sewer. If the property does not have a boundary trap and the customer has applied for approval to discharge trade wastewater, the customer must have a boundary trap installed at the boundary or at the point of connection.

Collection well: Install a 500 litre working capacity collection pit. Note: to attain 500 litres working capacity you must install a pit larger than 500 litres.

Roofing: Roof the whole of any intended wash area with a 10 degree overhang to ensure rainwater does not get in.

Safe access: Depending on the height of the pre-treatment equipment, we may require a platform and steps manufactured to *Australian Standard 1657* for safe access to inspect and maintain the pre-treatment equipment.

Bunding: Ensure the oil water separator is within a bunded area.

Backflow prevention: Install an approved backflow prevention device on the water supply to the wash bay.

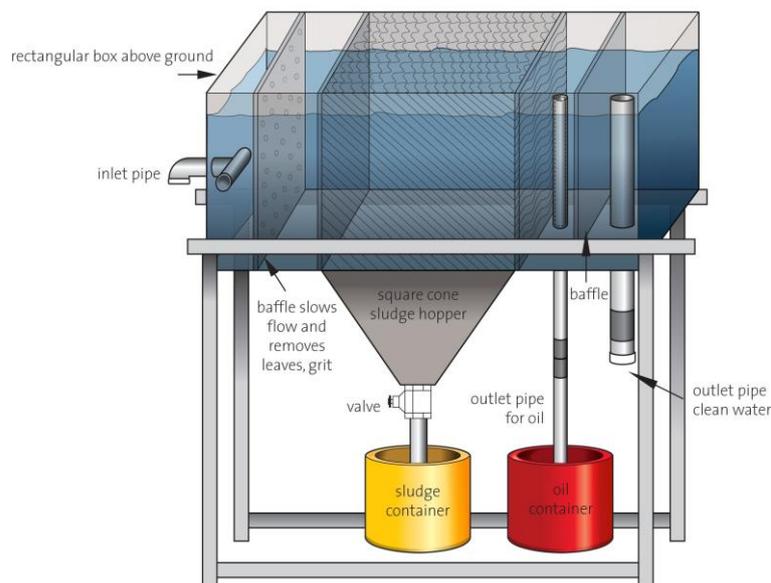
Compliance plate: Check that there is a compliance plate with a compliance number clearly visible on the oil water separator. This ensures the equipment is authorised for the full range of conditions and wastewater on-site.

Vertical clearance: Ensure there is adequate vertical clearance above the pre-treatment system to allow safe inspection, cleaning and replacement of the plate pack(s).

Pump: Use the correct pump. It must be authorised by Sydney Water to work with the oil water separator.

Reflux valve: Install a reflux valve if:

- the difference in levels between the overflow level of the lowest fixtures and the top of the relief gully is less than 150 mm
- the soffit requirements in relation to Sydney Water's sewer cannot be met.



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