

# OIL & SOLIDS SEPARATORS

## SMALL PACKAGED UNITS

Designed and built in Australia by Baldwin Industrial Systems



BBSV with integrated panel & pump

## Efficient Removal of “Free” Oil & Grease, Suspended Solids, Dust etc.

- Tough and compact
- Modular plate packs
- Specific design to prevent blocking
- Various sizes and configurations
- ‘Approved’ by most Australian Authorities
- First Flush, storm by-pass configurations available

Complete [package systems](#), including [Pumps](#), Level Controls, Low Voltage [Panels](#) are available for all applications

## Benefits of Enhanced Gravity Separators

- No moving parts – minimum maintenance
- Gravity or pumped flow – basic unit or auto system
- Sludge dewatering options
- Chemical resistant Stainless, Polyethylene and Polypropylene components
- Performance guarantees available
- Easy and quick to install
- Effluent qualities to less than 10ppm.





MPV-12 CPS with pump, pump stand & waste oil tank



Plate Pack detail

## Applications

### Automotive:

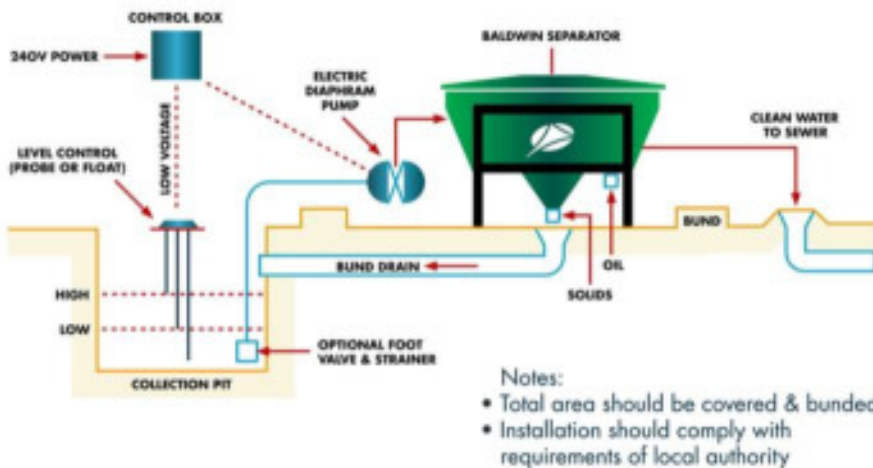
- Workshops
- Lubebays
- Washbays
- Parts Cleaning
- Degreasing
- Floor Scrubbers
- Panel Beating
- Radiator Repairs

### Metal Finishing:

- Surface Preparation
- Quenching Tanks
- Coolants

### General:

- Process Recycling
- Solids Settling
- Equipment Hire
- Workshops



### Typical CPS Layout

## Proven Performance

Baldwin separators effectively intercept oil droplets from a water/oil mixture, bringing droplets to the surface as a separated layer. Suspended solids are also intercepted, dropping to the bottom as sludge.

During testing programs we used a laser particle counter to accurately measure the size and number of oil droplets in various water mixtures. From this data we were able to produce a series of oil droplet distribution curves for:

- Gravity Flow
- Diaphragm Pump
- Progressive Cavity Pump
- Centrifugal Pump

Our tests confirmed the superior performance of the Baldwin "V-Plate" Coalescing Plate Separators in removing free oil droplets as small as 20 microns in diameter. Effluent levels of 10ppm and below were easily achieved.

## Contact Us

Give us a call for more information about our services and products

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