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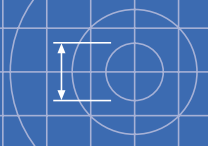
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Humeceptor™ is the leading proprietary stormwater quality management product across Australia and worldwide because:

- **Humeceptor™** is a source control product focussed on removing the most ecologically damaging stormwater contaminants:
 - Fine suspended solids (10 - 60 µm)
 - Hydrocarbons/petroleum products
 - Sorbed contaminants – heavy metals, hydrocarbons
- Will not scour and re-suspend previously accumulated material.
- Over 2,000 installations across Australia.
- In excess of 13,500 successful installations worldwide.
- Specified on the basis of achieving a water quality outcome/objective, rather than the diversion of an event based flow which has no nexus with water quality outcomes.
- Retains 75 - 95% of the TOTAL Suspended Solids load.
- Retains fine material between 10 - 60 µm that dominate the suspended solids mass load.

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- Retains entrained hydrocarbons during both dry weather emergency spills and wet weather rainfall events.
- Can be configured to capture up to 60,000 litres of petroleum products from emergency spill incidents.
- Generally limits hydrocarbon concentrations under field conditions as follows:
 - <1 ppm for influent concentrations up to 5 ppm
 - <2 ppm for influent concentrations up to 10 ppm
 - <5 ppm for influent concentrations up to 100 ppm
 - <10 ppm for influent concentrations up to 2000 ppm
 - At least 98% retention for influent concentration greater than 2000 ppm
- Performance is based on real hydrologic and pollutant export conditions under field conditions.
- Performance is extensively verified/certified by regulatory authorities under field conditions.
- The performance is not based on flawed fluid mechanics principles that plague the applicability of laboratory generated data from scaled down model tests.
- Excellent ability to control operational flow rates, even during peak runoff conditions.
- Very low operational velocity (<0.007 m/s), which compares with a scouring velocity for 16 µm particles of 0.06 m/s.
- Sized using a continuous simulation pollutant export model using historical rainfall records.
- Minimum 50 year design life.

