

Installation, Operation and Maintenance

Installation

Humeceptor™ is transported to site in pre-cast modular sections and is very simple and cost effective to install. The simplicity of the product facilitates rapid installation and site re-establishment. Every product is provided with a project specific installation guide. If requested, Humes personnel can be available to be present on site to advise with regard to installation in accordance with recommendations.

Humeceptor™ is supplied with factory fitted Kor-N-Seal® boot connections which provide a flexible water tight connection between the unit and the incoming/outgoing pipes.



The compact and modular design of **Humeceptor™** facilitates simple and rapid installation and is well regarded by civil engineering contractors and plumbers familiar with traditional drainage infrastructure.

References

- 1 "WP Software, 1992, "XP-AQUALM - Users Manual"
- 2 "Cooperative Research Centre for Catchment Hydrology, 2003, "MUSIC User Guide - Model for Urban Stormwater Improvement Conceptualisation", Version 2.0, MUSIC Development Team, December"
- 3 "Duncan, H.P., 1999, "Urban Stormwater Quality: A Statistical Overview", Cooperative Research Centre for Catchment Hydrology, Australia, Report 99/3, February"
- 4 "Minton, G.R., 2002, "Stormwater Treatment - Biological, Chemical and Engineering Principles", Resource Planning Associates, Washington".

Buyers and users of the products described in this brochure must make their own assessment of the suitability and appropriateness of the products for their particular use and the conditions in which they will be used. All queries regarding product suitability, purpose or installation should be directed to the nearest Humes Sales Centre for service and assistance.
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The Kor-N-Seal® boot is sized to cater for all pipe materials, wall thicknesses and a range of pipe outside diameters up to a maximum OD of 1,475 mm (generally a maximum ID of 1050 mm). Connection of the pipes to the unit simply requires the pipe to be slotted into the flexible boot without the need to mortar in the pipes. Mortar joints provide a rigid and brittle connection which may crack and shear the pipe should differential settlement occur between the unit and the pipe. The flexible connection also allows for small tolerance in invert levels and is particularly well suited for retrofit situations.

Humeceptor™ is the only product which utilises this unique connecting methodology.

To identify the product location the cast iron manhole cover is embossed with the **Humeceptor™** motif and is fully trafficable under regulatory load requirements such as HN-HO-72 loads.

Operation and Maintenance

Humeceptor™ is generally maintained on an annual basis by eduction (vacuum) trucks. **Humeceptor™** does not use baskets, since their removal and cleaning provides a work place health and safety hazard and is unaesthetic to the surrounding community during cleaning. A full operation and maintenance manual is provided to the product owner for every installation which provides a full description of the recommended maintenance procedures. All maintenance is undertaken from the surface in response to modern confined space regulations and under normal conditions there is no need to enter the unit.

Manufacturing standards

Humeceptor™ are manufactured to pipe standards NZS 3107:1978 and precast standards NZS 3109:1997 with surface finishes to NZS 3114:1987

