



# Access Chambers



Modular, lightweight chambers  
– flexible and cost effective for  
network access

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The Humes Modular Access Chambers range provides operators with the means to construct chambers quickly and inexpensively without having to compromise on build quality.

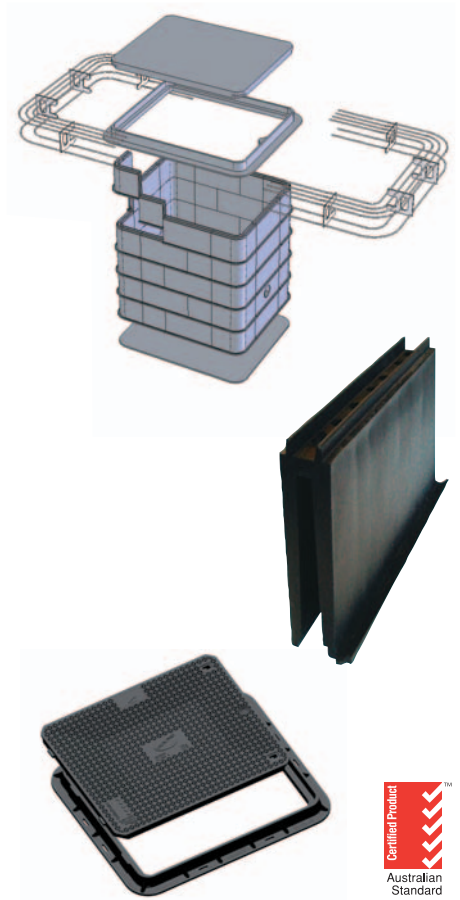
## Modular Chamber

The unique design of the Humes Modular Access Chamber range offers operators and contractors alike a range of clear opening and depth combinations. The range consists of 150mm deep sections which are stacked on top of each other to form chambers of varying depths. The chamber sections are made of a twin wall design, with vertical ribs spanning the interior and exterior wall.

This patented twin wall technology provides the Modular Access Chamber range with its inherent strength. The strength has been independently tested to withstand vertical unsupported loads in excess of 50 tonnes. Vertical load tests have also been applied on a cyclic basis in order to simulate the effect of traffic. Under this first test, the chamber withstood 40 tonnes vertical load at the rate of one cycle per second for over 86,000 cycles within a 24 hour period. Strength that means unlike other pre-formed chambers which only serve as formers for concrete, the Humes Modular Access Chamber range does not require any expensive structural backfill.

## Access Cover Sets

To compliment the chamber, Humes offers composite (SMC – Sheet Moulded Compound) access cover sets, certified to AS3996 Class B for off road applications. Available with security locking options and interchangeable logo plates.



Chamber Standard Sizes		Cover Set Standard Sizes	
Width (mm)	Length (mm)	Width (mm)	Length (mm)
		600	600
600	750	600	750
600	1200	600	1200
1200	1200	1200	1200

## Features

- No inherent scrap value – cover sets or chamber
- Lightweight pre-moulded modular chamber system
- Flexible ducting positions – exactly where you need duct entries
- No corrosion
- Preformed FRP Reinforcing cages save installation time

## Applications

- Telecommunication networks
- Signalling networks
- Valve chambers

## Standards

- AS3996:2006 Access Covers & Grates
- AS3661:1993 Slip Resistant Surfaces
- Transit NZ 'Bridge Manual' requirements for earth pressure
- TNSP Approved by Chorus NZ

**Specification Clause:** The chambers shall be made of recyclable polypropylene consisting of a twin-wall ribbed construction which will comply with the loadings of AS3996:2006 when installed and backfilled. The chamber shall suffer no deformation due to climatic changes between temperatures of -40°C to +100°C. Access covers shall be made of SMC (Sheet Moulded Compound) and be certified to AS3996:2006, Class B.

For further technical details or advice freephone 0800 502 112 or visit [www.humes.co.nz](http://www.humes.co.nz)

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. Fletcher Concrete and Infrastructure Limited 2009. Printed 02/09.

