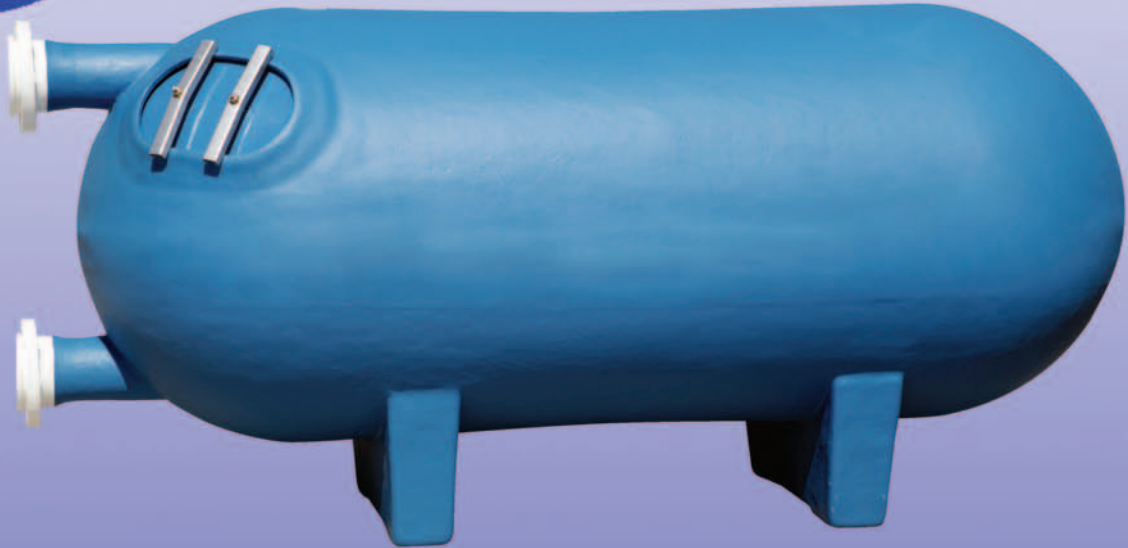




# CHADSON GRANULAR FILTERS

## MHS-3000 | MHS-3500



## THE MOST POPULAR SERIES IN OUR PRODUCT RANGE

Given that the MHS-3000/MHS-3500 series was first introduced in 1984, it is often considered to be the most popular and widely used filter within the CGF product range. MHS-3000/MHS-3500 is certainly a prime example of the LONGEVITY that can be expected when purchasing a CHADSON filter.

Apart from a robust & long lasting filter tank, the MHS-3000/MHS-3500 is widely known for its long filter-run times. Unlike other brands of filtration (that will often require sand and lateral replacements every 5 years) the service records for MHS-3000/MHS-3500 reveal remarkable media and lateral life. This performance is based upon actual historical records and it is largely due to the general process efficiency and the unique hydraulic balance that is provided with all CHADSON filters.

During its 27 year service history, many alternative look-alike products have come and gone. In some cases, these alternative filter brands have left many customers with a litany of issues, not limited to a lack of available spare parts and a lack of any engineering support. Given that pool filtration is directly linked to many critical public health issues, its purchase should not just be made on the basis of lowest apparent cost.

The MHS-3000/MHS-3500 series is extremely compact and transportable. Both filter models will comfortably fit through standard 1200mm clear open doorways. Regardless of it being a new project or a plant upgrade, the use of MHS-3000/MHS-3500 filters is worthy of close consideration. From the simplest tandem filter system (with single lever Backwash valves) or large 6 tank shunt filter systems, the MHS-3000/MHS-3500 series has a lot to offer.

## KEY FEATURES AT A GLANCE

- Designed & manufactured in Australia, using locally available resins systems, which are especially formulated for Australia's harsh climatic conditions.
- Chadson filters may be installed indoors or outdoors. Their non-corrosive construction materials are equally suitable for use with either fresh water or seawater.
- Heavy duty, contact-moulded FRP pressure vessels; free of all the potential service issues that are frequently associated with cheaper/imported filament wound tanks. If a tank leak does occur, filament wound tanks are widely considered to be non-repairable.
- Straight-through internal pipe headers (dn150) resulting in minimum head loss, low line- velocity, and reduced energy costs.
- Multiple and precisely calibrated Soiled Water (SW) distribution nozzles which provide even flow, over ALL of the available filter area, not parts thereof.
- Full-coverage & extensive underdrain system, using dn25 slotted laterals that are injection moulded from high impact, engineering plastics.
- Full-size, internal-opening access hatch(s) providing convenient access, without the need to remove any face plumbing.
- 100% of all filter production is hydrostatically pressure tested and certified as genuine pressure vessels.
- Appropriate fittings & instrumentation (pressure gauge, Kinetic Air Vent/Vacuum breaker, screened drain cock, etc.,) supplied as standard fitments.



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### OTHER BENEFITS & OPTIONS

- Free technical support and engineering advice that will guarantee a predictable result each and every time. We are not just catalogue salesman; we have worked in the swimming pool industry since 1976, and we understand the issues and the challenges.
- Every filter is supplied with comprehensive installation & operating Instructions that are designed to make your job easier. Our instructions contain valuable information, which is especially designed for commercial pools.
- Being Australian-made, both standard and custom-made product can be readily supplied within acceptable delivery times.
- Standard product details may be varied to include the supply of additional access hatches, different connection details, air-scouring, pulse backwashing, lifting lugs, high pressure ratings, face plumbing, manual & automatic backwashing valving.

### FINAL WORD

If you are regularly backwashing your filter to maintain a flat and efficient sand bed, you are wasting valuable pool water and you have most probably made a poor buying decision. If you need to regularly replace your filter media & laterals (every 5 years or less), your filter is not backwashing efficiently and you have most probably made a poor buying decision. If your filter develops a leak and it's considered to be non-repairable you have most probably made a poor buying decision. If you have to install your filters inside a plant room because your filter has not been made with a resin system formulated for Australia's harsh conditions you have most probably made a poor buying decision.

With many **CHADSON** filters continuing to provide valuable service after 25 years of continuous service, the product's unique capability and its design life are matters of fact. The design life of a **CHADSON** filter is not reliant upon the interpolation of in-house cyclic pressure tests and the opinion of an overseas filter manufacturer; it's based on proven and extensive case history.

### TECHNICAL DATA

	MHS 3000	MHS 3500
Filter Area (m <sup>2</sup> )	3.0	3.5
Filter Rate (m <sup>3</sup> /hr/m <sup>2</sup> )	15 - 42	15 - 42
Flow Range (m <sup>3</sup> /hr)	45-126	53.5-147
Req'd B.W Flow Rate (m <sup>3</sup> /hr/m <sup>2</sup> )	42	42
B.W Flow (l/sec)	35	41
Wash Water Consumption (m <sup>3</sup> )	8.4	9.8
Max Operating Pressure (kPa)	200	200
Test Pressure (kPa)	350	350
Shipping Weight (kgs)	230	260
Service Weight (kgs)	5200	6100
Refer to Sales Outline for Dimensions		

Unlike the many filter options that are available to you, **CHADSON** filters are tried & proven with the capability to provide very favourable life cycle costs. Good design is not about who can provide the lowest apparent purchase cost; it's more about satisfying an intended duty, with products that will provide process efficiencies, reliable performance, and predictable whole of life costs.

If issues do occur during the life of **CHADSON** product, it's important to note that we are here to support you. Not only will you feel good in supporting an accredited Australian made product, you will be rewarded with the performance, the low cost of ownership and the service that is often seems elusive with cheaper, imported product.

If you are considering a filter replacement, designing a new pool, or are just plain unhappy with the performance of your existing system, **contact us today.**

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