



CHADSON GRANULAR FILTERS

MHS-2000 G2 | MHS-2200 G2 | MHS-2400 G2



Given that the first HS-16 was produced in 1976, the advent of second generation filters seems only natural. Whilst this product development may not seem as significant as some of our other technical innovations (like our patented FloModuLata™), it is nevertheless a very important milestone. Second generation filters promise to provide even more value for your filtration dollar. With over 2,000 filters presently in service, CGF filters are not only tried and proven, they have now be refined to provide unique benefits.

NEW FEATURES:

- Semi-ellipsoidal tank ends providing a consistent and very uniform bed profile over the length of the filter
- Straight through plumbing reducing the already low head loss of earlier filter models - better flow characteristics
- Vanstone flange connections providing easy alignment and simple installation

OPTIONAL FEATURES:

- Unique 150mm single lever backwash valve providing far lower head loss than any domestic type multiport valve
- Endoscope connection for internal inspection of the operating efficiency during filter & backwash operations
- Additional manway hatches, nozzles, lifting lugs, twin gauge panels, high pressure rating, etc

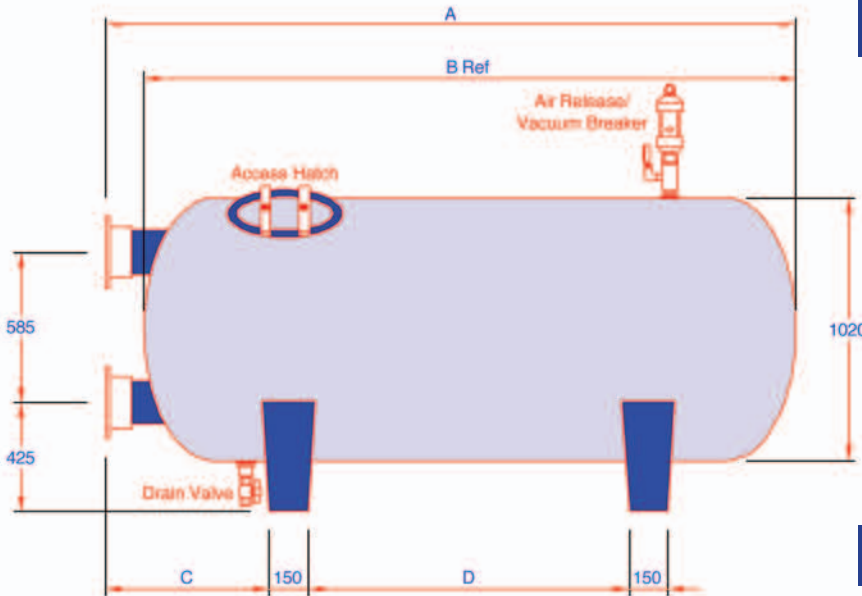
KEY FEATURES AT A GLANCE:

- Heavy duty contact moulded vessel manufactured in accordance with known engineering standards
- Vinyl Ester corrosion barrier with other non corrosive construction materials; suitable for sea water applications
- Compact vessel makes best use of available floor space - superior to that provided with round vertical filters
- Minimum service access requirements required; centralized primarily at the front (operator end) of the vessel
- 150mm tank connections facilitating the 42m³/hr/m² backwash rate that is essential for effective bed expansion, without undue pressure drop - line velocities lower than 2m/sec provide vastly superior water streams within the filter
- Uniform distribution of soiled water with 15 to 22 unique/machined inlet nozzles provides better utilization of filter area
- Hydraulically balanced underdrain using 22 to 28 injection moulded V shaped ABS laterals - threaded 25bsp
- Drain fitting, media dump, & appropriate instrumentation package supplied as standard
- Full size internal opening access hatch that can be opened in under a minute with twin davit arms



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TECHNICAL DETAILS

All of the features & benefits that you would expect with a CGF filter:

- Designed and manufactured in Australia to suit Australia's harsh conditions
- Choice of backwash method; single lever, tandem, valve matrix, or shunt; all of which can be automated
- Free technical support & professional advice on process design & product selection
- Specified & used by leading pool professionals
- Tried and proven with a unique & identifiable service history dating back to 1976
- Supplied with detailed installation & operating instructions that are designed to make your job easy

COMPARATIVE DATA

Subject to specific design, the most cost effective and efficient filtration selection will commonly be based on the least number of filters. If considering options, these options should at least provide the same filter area.

TECHNICAL DATA			
	MHS 2000 G2	MHS 2200 G2	MHS 2400 G2
Filter Area (m ²)	2.0	2.2	2.4
Filter Rate (m ³ /hr/m ²)	15-42	15-42	15-42
Flow Range (m ³ /hr)	30-84	33-92	36-100
Requ'd BW Rate (m ³ /hr/m ²)	42	42	42
Backwash Flow (l/sec)	23	25	28
Wash Water Consumption (m ³)	5.6	6.0	6.7
Max Operating Pressure (kPa)	200	200	200
Test Pressure (kPa)	350	350	350
Shipping Weight (kgs)	155	165	175
Service Weight (kgs)	3000	3200	3400
Media Substrate (m ³)	0.19	0.21	0.23
Media Substrate (kgs)	300	325	350
Media (m ³)	0.95	1.0	1.1
Media (kgs)	1500	1600	1750
Total Media (m ³)	1.14	1.21	1.33
Total Media (kgs)	1800	1950	2100

Connecting flanges drilled to AS2129 Table D

MHS Model Number	Filter Area (m ²)	No. of vertical filters & their theoretical diameter to provide the same filter area as an MHS filter:		
		ONE	TWO	THREE
2000	2.0	1600	1130	925
2200	2.2	1675	1185	970
2400	2.4	1748	1235	1010

FINAL WORD

Given the very real public health issues associated with even a small commercial pool, don't take a risk with imported or over-grown domestic filters sand filters. It's simply not worth it. With the proven and dependable performance of **CHADSON GRANULAR FILTERS**, buying Australian made makes good sense... Not just for your pool, but for the whole country.

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

FILTER DIMENSIONS				
	A	B	C	D
MHS 2000 G2	2330	2180	585	1010
MHS 2200 G2	2530	2380	640	1090
MHS 2400 G2	2690	2540	640	1250

Australia 08 9344 3611
 International 61 8 9344 3611
 Email enquiries@chadson.com.au

