



GM700 AIR FILTRATION UNIT INSTALLATION MANUAL



Table of Contents

1.0	Safety Advice	3
2.0	Overview	3
3.0	Installation	4
3.1	Inlet Via Base of Filter Housing	4
3.2	Inlet Via 150mm Pipe	5
4.0	Build of Materials	6
5.0	Dimensions	7
6.0	Internal Details.....	8

1.0 Safety Advice

- Keep out of reach of children
- Refer to Safety Data Sheet (Appendix A).
- Ensure adequate ventilation when removing filter from pack and installing.
- Do not puncture the container or otherwise interfere with the product as this will reduce the effectiveness and/or produce harmful vapours.
- First Aid Information: Poison Information Centre in each State capital city can provide additional assistance for:
 - Scheduled Poisons: Phone (Australia 13 1126)
 - Ingestion: Rinse mouth with water. Do NOT induce vomiting. Seek medical assistance.
 - Eyes & Skin: Be careful to avoid contact with contents, or fumes from the filter as they may cause irritation to eyes, skin or breathing passages. If contact occurs wash affected area with plenty of water.
 - Inhalation: Remove victim from exposure. Remove contaminated clothing and loosen remaining clothing. Allow patient to assume most comfortable position and keep warm. Keep at rest until fully recovered.
 - Seek medical advice if symptoms persist.

2.0 Overview

The (air filtration system) is designed to treat wastewater odour emissions entering the inlet compartment at the base of the unit. The foul air is treated by McBerns Proprietary Combined Media Cartridges, which is then emitted to atmosphere through the top compartment. The odour control unit is fabricated from uPVC material with the exterior coated in 'Pale Eucalypt'.

3.0 Installation

Note: Failure to comply with installation procedure will result in a void of warranty.

3.1 Inlet Via Base of Filter Housing

1. Confirm position and site layout with local authority ensuring a suitable and level base for the unit.
2. Cut an appropriately sized hole into the base of the unit and cap the side inlet with the end cap supplied.
3. If required, core drill a 100-150mm diameter hole in the concrete slab connecting to the odour source. Alternatively, if the unit is to be located away from odour source, install uPVC pipe from odour source to filtration unit; ensure uPVC pipe finishes flush with base of filtration unit and fall on pipework back to odour source.
4. Generously cover bottom of the Housing Flange with a silicon sealant to ensure no leaks from the base of the unit.
5. Fix the filter housing over the hole using the M8 DynaBolts supplied with chemical anchor points.
6. Connect filtration unit to ventilation pole using DN150 flexible coupling and DN150 uPVC pipework, with fall back to filtration unit. Please ensure the ventilation pole is suited for the filtration unit. Alternatively, fit the rodent cap supplied to the filtration unit outlet if not connecting to a vent pole.
7. Wipe the two rubber seals with a damp cloth where the media cartridges will be seated, to remove any dust or grit which will prevent achieving a sufficient seal around the base of the media cartridges.
8. Apply a bead of the supplied sealant to the top of the two internal rubber seals; not doing so will prevent a sufficient seal.
9. Remove two cartridges from the protective plastic bags.
10. Install cartridges on to the internal rubber rings. Cartridges are to be installed "THIS WAY UP ↑" as per instructions on cartridge. Slightly rotate cartridges to seat base to the rubber seal.
11. Install the supplied rubber seal around top edge of 1st two cartridges and repeat steps 8 – 11 for the installation of the last two cartridges.
12. Place supplied cover on top of filter housing and fix in place using the M8 Dome Nuts supplied.
13. Ensure drain is securely fastened and only operated during maintenance.

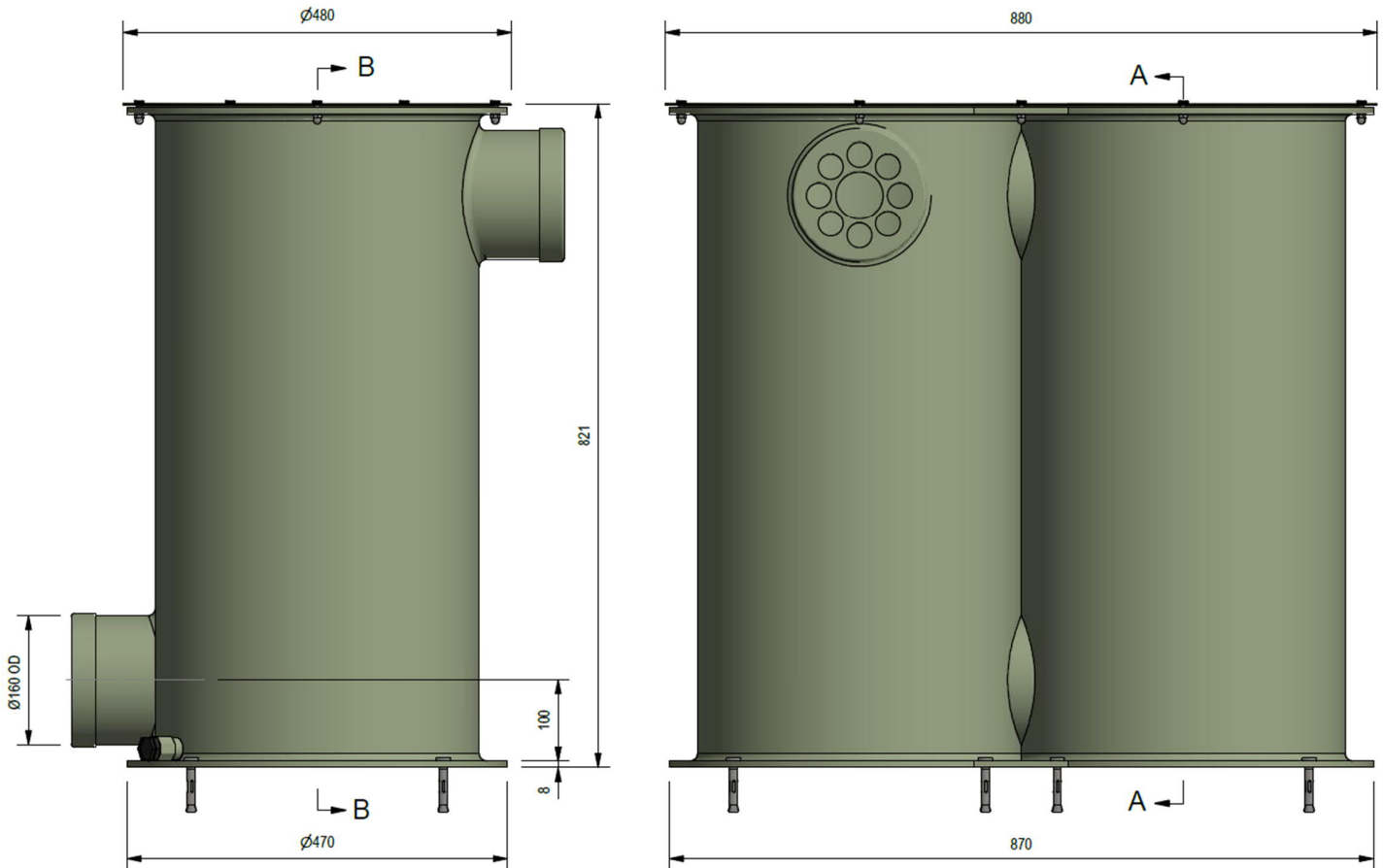
3.2 Inlet Via 150mm Pipe

1. Confirm position and site layout with local authority ensuring a suitable and level base for the unit.
2. Connect filtration unit to odour source using DN150 uPVC pipework. Ensure piping is installed and sealed as per pipe manufacturer specifications to prevent odour egress. Pipework to fall back to odour source for drainage purposes.
3. Fix the filter housing in place using the M8 DynaBolts supplied with chemical anchor points.
4. Connect filtration unit to ventilation pole using DN150 uPVC pipework and connections, with fall back to filtration unit. Please ensure the ventilation pole is suited for the filtration unit. Alternatively, fit the rodent cap supplied to the filtration unit outlet if not connecting to a vent pole.
5. Wipe the two rubber seals with a damp cloth where the media cartridges will be seated, to remove any dust or grit which will prevent achieving a sufficient seal around the base of the media cartridges.
6. Apply a bead of the supplied sealant to the top of the two internal rubber seals; not doing so will prevent a sufficient seal.
7. Remove two cartridges from the protective plastic bags.
8. Install cartridges on to the internal rubber rings. Cartridges are to be installed "THIS WAY UP ↑" as per instructions on cartridge. Slightly rotate cartridges to seat base to the rubber seal.
9. Install the supplied rubber seals around top edge of 1st two cartridge and repeat steps 6 – 9 for the installation of the last two cartridges.
10. Place supplied cover on top of filter housing and fix in place using the M8 Dome Nuts supplied.
11. Ensure drain is securely fastened and only operated during maintenance.

4.0 Build of Materials

Item	Item No.	Description	Qty.
1	F375MC	Combined Media (Cartridges)	4
2	F375RUBBERSEAL	Rubber Seal	1
3	DYNAM840	M8 316 Stainless Steel DynaBolts	8
4	DOMENUTM8	M8 316 Stainless steel Dome Nut	8
5	SCREW1/4X3/4	1/4" x 3/4" Stainless Steel Bolt	8
6	WASHER3/16X3/4	3/16" x 3/4" 316 Stainless Steel Washers	8
7	MCB700GMHSGASSY	Filter Housing Assembly	1
8	FDRAINPLUG	1/2" Drain Plug	1
9	F150PUSHONCAP	DN150 Push On Cap	1
10	FFLEXCONN150	DN150 Flex Coupling	1
11	N/A	GM Installation Manual	1

5.0 Dimensions



6.0 Internal Details

