

FlexiTrap™ Wastewater Traps



FLEXI TRAP®

Marley New Zealand Limited supplies the FlexiTrap™ range of polypropylene wastewater traps, designed in New Zealand for the professional plumber. The FlexiTrap features include:

- › All FlexiTrap products are Water Mark certified and compliant to Australian and New Zealand standards
- › Durable Polypropylene material, chemical resistant; can withstand high temperatures
- › S and P installation options – outlets swivel to both configurations
- › Unique Flexijoint – ball and socket design enables, in addition to the standard S and P configurations, the ability to allow for misaligned pipes with a 5° range of motion
- › 32mm and 40mm waste diameters
- › Double taper washer for superior watertight sealing
- › Time saving compression system – loosen the nut and push the trap over the end of the waste pipe and tighten
- › Range of traps with Air Admittance Valves for better performance and prevention of water syphoning
- › Range of Pop up/Plug & Waste traps
- › Full range of Tight P traps including Pop up and AAV traps

Material Specifications

Trap Body and Nuts:

- › Titan Pro SM340 Polypropylene Impact Copolymer

Pop Up Mechanism:

- › Chrome Plated Brass top with brass mechanism

Seals:

- › Santoprene 201-64W255 Thermoplastic Vulcanizate
- › AAV Diaphragm – Nitrile Butadiene Rubber, (NBR)
- › Pop up Seal – Silicone

Table 1: Product Codes

CODE	DESCRIPTION	CODE	DESCRIPTION
PS40C	40mm P&S Compact Trap	PS32/40PUV	32/40mm P&S Pop Up Waste Trap - Vented
PS40T	40mm P&S Telescopic Trap	PS32/40PUD	32/40mm P&S Pop Up Waste Trap Dome
PS40TS	40mm P&S Telescopic Trap w Supp Inlet	PS32/40PUVD	32/40mm P&S Pop Up Waste Trap Dome - Vented
PS32/40TA	32/40mm P&S Telescopic Trap	PS32/40PUB	32/40mm P&S Pop Up Waste Trap - Black
PS32/40TR	32/40mm P&S Telescopic Reducer Trap	PS32/40PW	32/40mm P&S Plug & Waste Trap
PS32/40C	32/40mm P&S Compact Trap	PS32/40PWV	32/40mm P&S Plug & Waste Trap - Vented
PS40A	40mm P&S Telescopic Adjustable Trap	32/40PUTP	32/40mm Pop Up Tight P Trap
PS40CVT	40mm P&S Telescopic Trap - Vented	32/40PUTPV	32/40mm Pop Up Tight P Trap - Vented
PS40CVTS	40mm P&S Telescopic Trap w Supp Inlet - Vented	32/40TTP	32/40mm Telescopic Tight P Trap
PS32/40CVTA	32/40mm P&S Telescopic Trap - Vented	32/40TTPV	32/40mm Telescopic Tight P Trap - Vented
PS32/40VTR	32/40mm P&S Vented Telescopic Reducer Trap - Vented	40TTP	40mm Telescopic Tight P Trap
PS32/40PU	32/40mm P&S Pop Up Waste Trap	40TTPV	40mm Telescopic Tight P Trap - Vented

Product Intended Use

The FlexiTrap range of products is designed to be used in residential and/or commercial properties to seal the building from gases within the sewer lines.

The FlexiTrap range with Air Admittance Valves (AAV) are designed for the same purpose as standard traps but the AAV acts to protect the water seal in the “J” bend of the trap from being able to be syphoned out when negative pressure builds up in the lines.

WaterMark Certification Licence Numbers:

WMK26068

WMK26069

WMKT 21232 – (Pop Mechanisms held by Art Plastics)

Manufacturing Standards

AS 2887 – 1993 – Plastic Waste Fittings

AS/NZS 4936:2002 – Air Admittance Valves (AAV) for use in Sanitary Plumbing and Drainage

On Product Identifiers

Printed FlexiTrap logo as shown on front page

Relevant New Zealand Building Code Clauses

The FlexiTrap range of wastewater traps have been designed to meet and exceed the water seal requirements of G13/AS1 to ensure protection of the water seal from fluctuations within the sanitary system, the seal prevents foul air and gases from entering the building. The depth of seal on a FlexiTrap is 75mm in comparison to the 65mm minimum requirement of G13/AS1.

Additional protection in the form of built-in air admittance valves prevents negative pressure build up that can syphon out the water seal.

- › NZBC G13/AS1: Foul Water – FlexiTrap meets and exceeds the water seal depth of 65mm requirement and will therefore contribute to G13/AS1 compliance
- › NZBC B2: Durability – Wastewater traps fall under 1.21 (c) “Easy to access and replace” clause of B2 which specifies a durability period of 5 years. The FlexiTrap range is warranted for a period of 50 years and will satisfy the requirements of B2.

Design

When designing a sanitary system, it is important to note that wastewater traps are designed to be connected to an appliance such as a basin or kitchen sink and assist that particular appliance only, they must be located as close as possible to the appliance. Connections to a secondary appliance such as a double bowl sink, insinkerator etc. must not have a discharge pipe longer than the developed length of 1.2 metres.

Important: The AAV component of a wastewater trap does not count towards the overall required venting of a building, it is specifically designed to prevent negative pressure from syphoning the water seal out of the trap only.

Installation

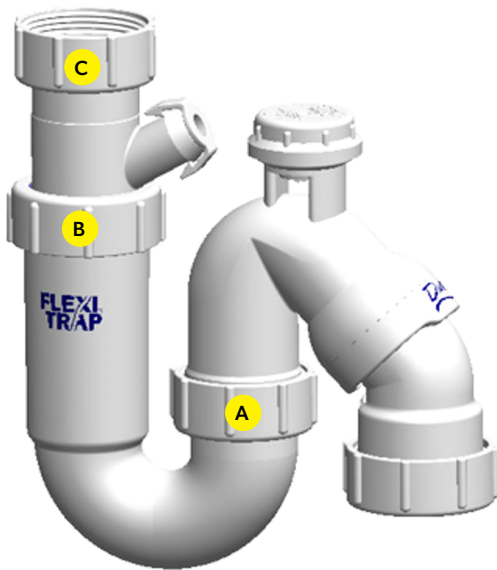
When installing a wastewater trap it is essential to ensure the trap is positioned correctly in an upright position to ensure the water seal is maintained correctly. It should be as close to the appliance as possible and a discharge pipe must not exceed 1.2m developed length. A single wastewater trap may serve any one of the following outlet combinations located within the same space:

- › One or two adjacent domestic kitchen sinks together with a dishwasher
- › One or two adjacent kitchen sinks together with a waste disposal unit
- › One or two adjacent laundry tubs together with clothes washing machine
- › Two adjacent basins, domestic kitchen sinks or laundry tubs
- › One or two adjacent domestic sinks, together with a waste disposal unit and a dishwashing machine when fitted with a 50mm trap and discharge pipe

One wastewater trap is not permitted to service two adjacent commercial sinks, as a sink containing foul water may contaminate an adjacent sink being used for food preparation.

Maintenance

Wastewater traps need to be maintained due to the build up of detritus over time. This can be from a number of sources dependent on the position of the trap. A six-monthly check is advised to ensure the wastewater trap is working correctly. The FlexiTrap has a central nut, **A** that allows the "J" bend and the knuckle assembly to be split apart.

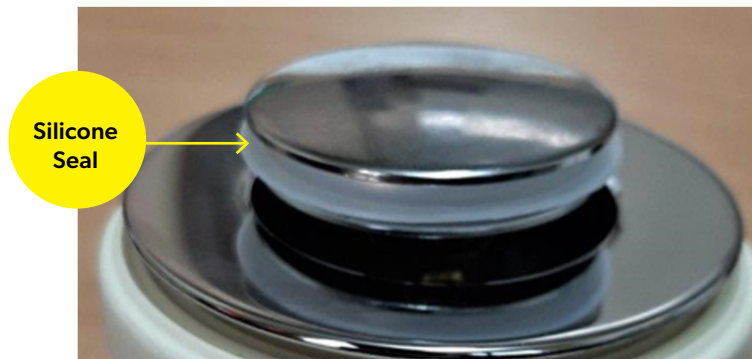


Nut **A** can be loosened by turning the nut anti clockwise, make sure there is a receptacle to catch the water in the trap which is part of the normal water seal. Dependent on the style of trap, the compression nut **B** of a telescopic trap can be loosened, and the "J" bend pulled down and away for cleaning. If the trap is not telescopic and is attached directly to the waste of the appliance, the nut **C** can be loosened in an anti-clockwise direction to free the "J" bend.

Once the "J" bend has been removed the contents can be washed out with warm soapy water and any detritus disposed of safely. Replace the "J" bend ensuring the seals are in position and the nuts are retightened sufficiently. Pour cold water or open a cold water tap to allow the water to flow through recreating the water seal within the trap.

Pop up Trap Maintenance

Pop up traps require the same maintenance as the standard FlexiTrap with the added requirement to clean the Pop up mechanism. This can be accessed without removing the "J" bend, by removing the top lid (flat or Dome). The lid is removed by carefully turning the lid in an anti-clockwise direction. Take care not to damage the silicone seal fitted into the lid.



Once the lid has been removed the brass Pop up mechanism should still be in position however, the mechanism may come out with the lid at times. If the brass Pop up mechanism is still attached to the trap, this can be removed by unscrewing the mechanism turning anti-clockwise.

Carefully clean out any trapped hair and/or detritus and screw the brass Pop Up mechanism and lid back into place, test to ensure the Pop Up mechanism is functioning correctly.

Note: For Wastewater traps with an AAV component it is advisable not to service the AAV. The diaphragm is coated with a small amount of silicone grease that if removed or cleaned off may impair the function of the AAV.

Importer/Distributor

Marley New Zealand Limited

- › 32 Mahia Road, Manurewa,
Auckland 2102, New Zealand
- › 0800 627 539
- › info@marley.co.nz
- › www.marley.co.nz
- › NZBN: 9429038863431

Manufacturer

WaterTec (Malaysia) SDN BHD – Componentry

- › Lot 3 & 4, Jalan Halba Satu 16/16A, Section 16, 40200
Shah Alam, Selangor Darul Ehsan, Malaysia
- › +60 (3) 5510 7808
- › No company email available
- › www.watertec.biz

Limitations on use

FlexiTrap Wastewater traps are specifically designed for residential and commercial buildings to assist with removing foul water from a building into the sewer lines and can be subjected to high temperatures on an intermittent basis. Chemicals other than foul water must be checked for suitability. A polypropylene chemical resistance guide can be found on the Marley website.

www.marley.co.nz

Warnings and/or Bans

FlexiTrap is not subjected to any Warnings or Bans relating to the installation and or use of traps supplied under the brand name FlexiTrap with any council or local authority in New Zealand, that Marley has been made aware of.