



Traditional P-Trap Design	PermaFLOW Drain System Design	PermaFLOW Drain System Benefit
Opaque Construction	Transparent Clear Construction	Enables Easy Diagnostics and Troubleshooting without the need to open the Trap eliminating unnecessary exposure to nasty sewer gases – Improved Health
Designed to Trap Most Unwanted Debris	Self Cleaning Design – generates turbulence and propels most unwanted debris preventing routine build-up	No Need for frustrating Plunging, Snaking or the use of Dangerous Chemicals to keep the trap clean or remove build-up from trap area
Not efficient with lower flow rates	Operates effectively and efficiently at lower flow rates due to the Self Cleaning Design generating turbulence and propelling debris preventing routine build-up. Easy to Rotate External Knob generates surge to clean any trapped debris while enabling sweeping of potential build-up without opening the Trap	Saves Water by working efficiently at lower flow rates Supports Water Conservation
Quickly Builds-up Contaminants within the Trap Area leading to bad odor	Easy to Rotate External Knob enables sweeping of potential build-up without opening the Trap	Ability to sweep clean potential build-up means – no need to open the trap eliminating unnecessary exposure to nasty sewer gases Improved Health
Need to use dangerous Chemicals to try and remove build-up in the trap area	Self Cleaning Design supported by Easy to Rotate External Paddle to Swipe and Clean any potential Build-up	- Reduced Contamination of Water – resulting in reduced cost of treatment - Improved Quality of Gray Water for Recycling - Reduced Rusting of Pipes - Reduces the possibility of Accidents due to Reactions from Chemical Cleaners Environmentally Friendly
Quickly Builds-up Contaminants (Mold, Bacteria, Mildew, Biofilm etc) within the Trap Area that are directly exposed to the kitchen sink and affect the air quality	Self Cleaning Design supported by Easy to Rotate External Paddle to Swipe and Clean the Trap Area doesn't allow build-up of contaminants in the Trap Area	Helps Improve Indoor Air Quality and reduces the exposure to nasty contaminants (mold, mildew, bacteria, biofilm etc) from Trap Area Improved Health
Upon build-up of clog – sink is out of action until chemicals work or plumber services the drain	Unique paddle design allows Emergency By-Pass Upper Chamber (3 O' Clock) –Two Traps in One	Provides Continuous Flow even in case of emergency build-up until trap can be serviced Reduced Down Time
No means to view or retrieve accidentally dropped articles without opening the trap	External Paddle Designed to assist in Easy Retrieval of accidentally Dropped Jewelry or Toys etc	No need to Open Trap to Retrieve Dropped Jewelry/Toys - reduced exposure to sewer gases Improved Health
Ugly Looking – Poor Quality Construction	Attractive Design – Superior, Robust Construction	Can be deployed in Open Pedestal Sinks Attractive Design
Made from Polypropylene/PVC	Made from ABS Plastic	PermaFLOW is Fully Recyclable Reduced Carbon Footprint
No Post Install Warranty	10 Year Replacement Warranty	Superior Quality Product, Peace of Mind Reduced Cost of Maintenance
Largely Made in China	Made in the USA	Superior Quality – Regional Product Reduced Transportation Carbon Emissions
Different Sizes for Different Plumbing	Universal Design – Adaptors provided to fit standard 1-1/2" (Kitchen) or 1-1/4" (Bath) Plumbing as well as Piping made from any materials – brass, chrome, ABS, Polypropylene	Standard Size – Anyone can do it – No special Tools or Training Needed Easy Installation
P-Traps Made from Brass/Chrome rust and corrode over time and P-Traps made from PVC/Polypropylene etc may not be resistant to Chemicals and need to be replaced frequently	Body made from Robust Clear ABS Plastic and seals and wiper made from synthetic rubber	Doesn't rust or corrode or react with common household and industrial cleaning chemicals resulting in a longer life span Higher Longevity – Reduced Cost
Need to be often replaced, serviced and maintained service cost, down time etc	Minimal Maintenance Required	Lower Total Cost of Ownership Saves Money, Reduces Down Time