

# Water Purifier with Manual Self Cleaning System

## APPLICATIONS

Residential/Lifestyle/Light Commercial indoor or outdoor installation.

## GENERAL INFO

Water Purifier System typically known as High Flow Carbon Filters are used when it is necessary to treat all incoming water (point of entry – POE) in large volumes for the reduction of a variety of contaminants from water including chlorine, tastes, odours, pesticides, volatile and organic carbons, dissolved colour and chloramines. Also used to remove chlorine for people with sensitive skin.

The Water Purifier System presents the most cost effective solution to handle much higher flow rates and provide a longer life throughput. The system includes a manual back flushing valve for easy self cleaning feature (DIY) which ensures low ongoing maintenance cost. Discover the benefits of whole house filtration... clean tasting water from every tap!

## FEATURES | BENEFITS

- ◆ User friendly manual valve (DIY)
- ◆ Stainless steel cover
- ◆ Pentair® Structural Polyglass Vessels have been the industry standard for quality and performance for over 30 years.
- ◆ Featuring a one-piece, seamless, high-density polyethylene liner and an encapsulated, leak-free engineered polymer inlet. Structural Polyglass Vessels are designed to provide you with years of worry-free performance.
- ◆ Whole house filtration can improve:
  - ◆ Drinking water
  - ◆ Shower and bath water (sensitive skin)



WAT SYS WHCS-1054SM

WAT SYS WHCS-1035SM



Vessels tested and certified by the Water Quality Association (WQA) to NSF/ANSI Std. 44 for material safety and structural integrity requirements and Std. 372 for low lead compliance.

# Water Purifier

## with Manual Self Cleaning System

WATER PURIFIER				MEDIA QUANTITIES	
Code	Description - Tank Size Inches (DxH)	Typical Flow Rate	Inlet/Outlet	Medium Base Gravel 3/5 (WTMBG)	Activated Carbon - F200 (WTAC)
<b>"POLYWOUND" TANKS</b>		<b>LITRES/MINUTE</b>	<b>MM</b>		
WHCS-1035M	"Manual Valve" - 10" x 35"	30	25mm	8 kg	10kg
WHCS-1054M	"Manual Valve" - 10" x 54"	40	25mm	8 kg	16kg

SPECIFICATIONS			
TANK	DESCRIPTION	HEIGHT W/BASE MM	CAPACITY LITRES
10" DIA.	10" x 35" with 2.5" Port Opening	1024	43.5
10" DIA.	10" x 54" with 2.5" Port Opening	1383	62.1

OPERATING PARAMETERS	
Maximum operating pressure	150 psi
Maximum operating temperature	48.9 °C

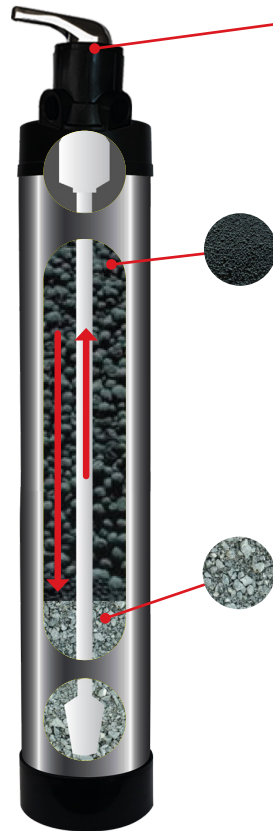
### NSF/ANSI STD. 44 DESIGN PARAMETERS

- ◆ Safety factor – 4:1
- ◆ Minimum burst at 600 psi
- ◆ Tested to 100,000 cycles without leakage

### OPERATION AND MAINTENANCE

Operation and maintenance is very simple. Backwash for 5 minutes once every week, this is done via the manual back flushing valve. Replace carbon annually or when chlorine, taste, odours or targeted contaminants start to breakthrough.

### HOW IT WORKS



#### MANUAL VALVE

Includes a manual back flushing valve for easy self cleaning feature (DIY) which ensures low ongoing maintenance cost

#### MEDIA

##### Activated Carbon F200 (WTAC)

Activated Carbon for the removal/reduction; chlorine, asbestos, chemicals and unwanted taste and odours

##### Medium Base Gravel

Coarse/Fine Filtration includes dual grade depth cartridges for removal of very fine particles

### TYPICAL INSTALLATION

