



MODEL WSC05P

The Water Security® Apollo model incorporates the same MCV® technology used to treat drinking water on board the NASA Space Shuttle and the International Space Station. With the Apollo's hand pump capability, it is an ideal water disinfection solution for remote areas and mobile disaster relief.

This equipment is specifically designed to filter and disinfect fresh water which may be microbiologically contaminated. The Apollo's modular construction and simple maintenance procedures, make it an ideal solution for remote installations and situations where the quality of supplied water is unsatisfactory. The Apollo will provide years of dependable, convenient, portable service.

The Apollo has been successfully tested for its ability to reduce the substances listed below. The concentration of the indicated substance in water entering the system was reduced as shown in the table below. Testing was performed under standard laboratory conditions. The actual performance of your WSC05 may vary due to local water conditions.

SUBSTANCE	INFLUENT CHALLENGE CONCENTRATION	REDUCTION
<i>Chlorine</i>	<i>2.0 mg/L +/- 10%</i>	<i>99%</i>
<i>Turbidity</i>	<i>11 NTU +/- 1</i>	<i>>95%</i>
<i>Cyst</i>	<i>Minimum 50,000/mL</i>	<i>99.95%</i>
<i>Poliovirus / Rotavirus</i>	<i>28,500 pfu/mL</i>	<i>>99.999%</i>
<i>MS2 Phage</i>	<i>509,000 pfu/mL</i>	<i>>99.999%</i>
<i>Klebsiela T Bacteria</i>	<i>11,000,000 cfu/100mL</i>	<i>>99.9999%</i>

The Apollo system is for use with fresh water only, with a maximum salt content of 500 ppm.

Operating specifications for the Apollo system are as follows:

- ◆ Rated service flow of 0.5gpm (19Lpm)
- ◆ Expected water temperature of 68°f (20°c)
- ◆ Maximum water temperature of 77°f (25°c)
- ◆ Minimum water temperature of 40°f (4°c)
- ◆ Water pH ranges from 6.5 to 8.5
- ◆ Iron and Copper content less than 0.3ppm
- ◆ Total Organic Carbon less than 1.0ppm
- ◆ Expected cartridge life 3000 gallons (11,356L) for disinfection and final filtration filters only.



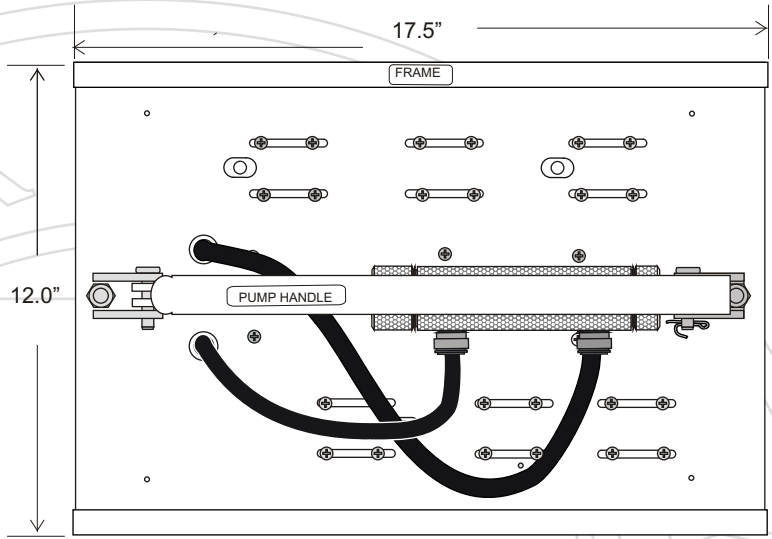
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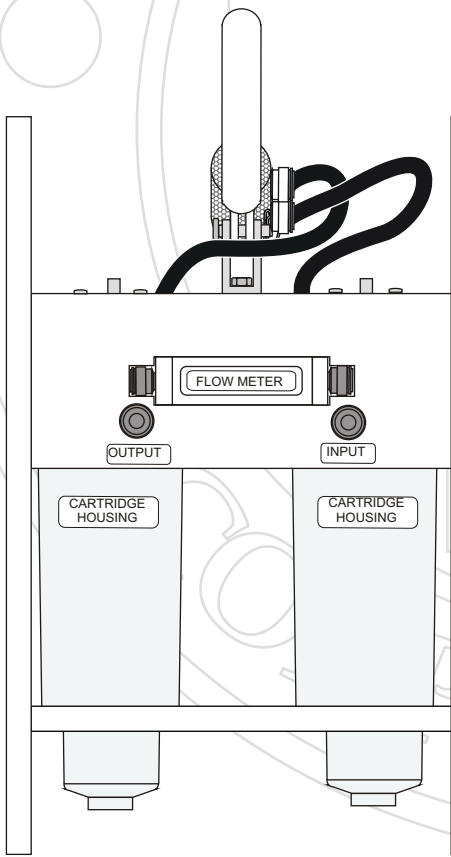


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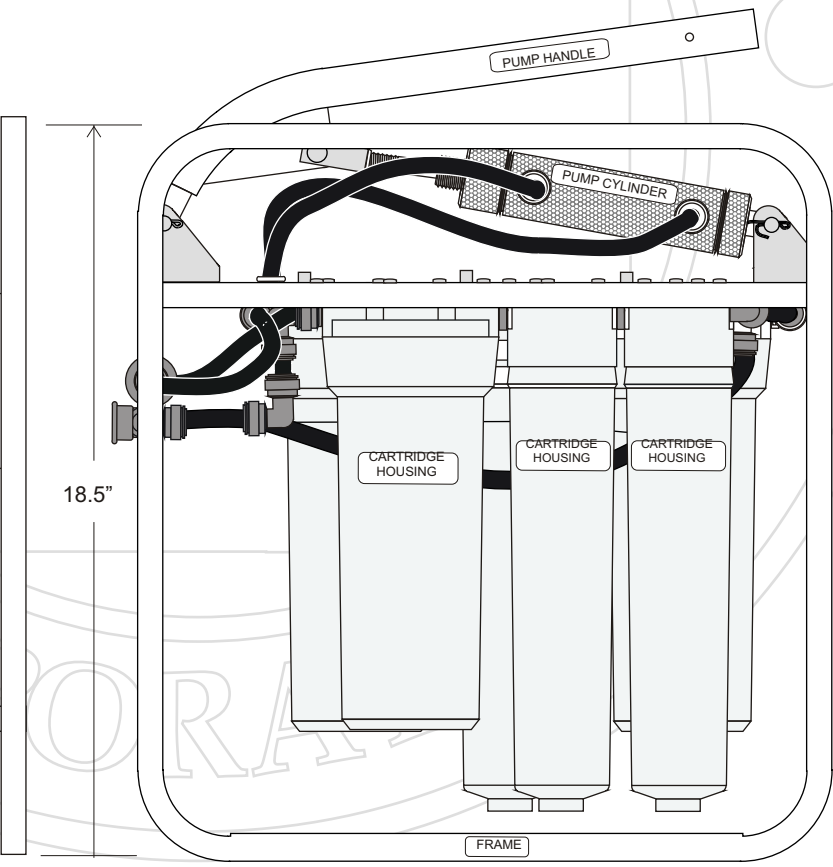
PART NUMBER	WSC05P	REVISION NUMBER	03	REVISION DATE	10/25/2005
DESCRIPTION	APOLLO PORTABLE DISINFECTION SYSTEM				
MATERIAL	<input type="checkbox"/> FRAME AND HANDLE: 12 GA. COLD ROLLED STEEL <input type="checkbox"/> HARDWARE: ZINC PLATED STEEL <input type="checkbox"/> PUMP CYLINDER: 304 STAINLESS STEEL <input type="checkbox"/> FITTINGS: BRASS AND ACETAL QUICK RELEASE <input type="checkbox"/> TUBING: POLYETHYLENE <input type="checkbox"/> CARTRIDGE HOUSINGS: POLYETHYLENE				
FINISH	BLACK MINI-TEX POWDER COAT				



TOP



FRONT



SIDE