



ELITE WATER
SYSTEMS

POWERED BY  **PROTECT PLUS PRO™**
WATER FILTRATION

WHOLE HOUSE FILTER

Reduces Hydrogen Sulfide Gas, Iron, Manganese

- Reduces hydrogen sulfide gas, iron and manganese without the use of chemicals
- Filters all household water at the point of entry



CONTROL VALVE



PRESSURE TANK

- Treats water to protect pipes, faucets, water heaters, boilers and all appliances requiring the use of water
- Flow rates that won't disrupt household water pressure
- Simple and easy to run with high-efficiency operation
- Simplified single-tank installation
- State-of-the-art control valve
- For hydrogen sulfide, higher levels of iron, manganese and sediment
- This unique light weight, high surface area filtration media utilizes a high concentration MnO₂ catalytic coating technique. It provides higher filtration rates, longer service life and reliable performance without producing a disinfection by-product
- Made in an IAPMO-certified manufacturing plant



COMPONENTS & SPECIFICATIONS

WHOLE HOUSE AERATION FILTER PERFORMANCE DATA SHEET

Model No.	Mineral (Cu. Ft.)	Service Flow GPM ^{1,2,3}	Backwash GPM ^{4,5}	Mineral (Dia. x Ht.)	Influent Limitations
PP1KATAIR1JE	Katalox Light (1.0)	2.7 to 4.6	5.3	10" x 54"	<ul style="list-style-type: none"> Hydrogen Sulfide up to 5 ppm Iron up to 6 ppm Manganese up to 1 ppm High concentration of contaminant may require upstream dosing of H₂O₂, KMnO₄ or chlorine to accelerate catalytic oxidation DO NOT install on water supplies containing organic matter (Tannins) Effective with pH as low as 5.8. removing Iron - recommend pH 7.5 or higher but below 8.5, Manganese - recommend pH 8.5 but below 8.5 if Iron is present

Engineered to utilize aeration, oxidation, and mechanical filtration to remove hydrogen sulfide, higher levels of iron, manganese, and sediment without the use of salt and chemicals.

- Katalox Light service flow rates based on Continuous (5 GPM/sq.ft.) to Intermittent (Peak) (10 GPM/sq.ft.).
- Lower service flow rates are recommended for increased contact time to produce higher quality water. Higher flow rates are possible, however, filtration quality may be compromised.
- Backwash flow rates based on DLFC sizes to meet approximately 10 GPM/sq.ft.
- Well pump capacity must be equal to or greater than the required backwash flow rate to assure proper backwash. If the well pump cannot provide the required backwash flow rate, consider two smaller filters, parallel installation with offset backwash times.

SYSTEM DIMENSIONS

Models	A (Inches)	B (Inches)	C (Inches)
PP1KATAIR1JE	54	10	16.5

