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WATERITE TECHNOLOGIES, INC.
PRODUCT SPECIFICATION SHEET
FIL-GAC-007

POLYPHOSPHATE INLINE FILTER CARTRIDGE FOR SCALE AND STAIN REDUCTION

TYPE:	2 ¾ ” x 10” inline cartridge for #10 housings
FEED:	Drinking water with scaling and staining tendencies due to hardness and dissolved iron
FEED PRESSURE:	100psi maximum (6.9 bar)
TEMP. RANGE:	5.0°C to 35.0°C
pH RANGE:	6.3 - 9.5
CAPACITY:	8000L @ 0.8 gpm (3.0 lpm)
INITIAL ΔP:	2.5psi @ 1.0GPM (0.2bar @ 3.8 LPM) 20.0psi @ 5.0GPM (1.4bar @ 19.0 LPM)
COLOUR:	white gasket with green-blue body
BODY MATERIAL:	Cartridge body: Food-grade polypropylene thermoplastic resin Internal packing: spun polypropylene Gasket: BUNA-N All materials conform to NSF 42 for material requirements only
MEDIA:	Food grade crystalline sodium hexametaphosphate, 875g
LENGTH:	248mm+-1mm, without fittings
MODEL:	Excelpure CC5-PH
END CONNECTIONS:	DOE
CORPORATE MARK:	

Excelpure™

ABSTRACT

Polyphosphates (e.g., sodium hexametaphosphate) are molecularly dehydrated forms of orthophosphate. These special phosphates possess surface-active and sequestering capabilities that make them particularly effective in controlling scale formation and minimizing tuberculation.

Common scales are hardness salts, such as calcium and magnesium, combined with anions, such as carbonate, sulfate, and silica. Manganese and barium are less common but equally troublesome scale formers found in certain areas of the country. Corrosion products such as iron oxide also can be significant contributors to scale formation.

Polyphosphates are widely used in treating once-through industrial systems, municipal systems, and potable drinking water systems. The polyphosphates effectively reduce tuberculation in distribution lines and minimize red water caused by high iron levels in both potable and industrial systems. Effective results have been achieved with treatment levels as low as 1 ppm.

CC5-PH cartridges will be effective in controlling scale and staining in small drinking water and process water system where hardness does not exceed 15gpg (256mg/l) and TOTAL iron to 1ppm.