



APFLEX™ SERIES PCC

Hexametaphosphate Crystal

FILTER CARTRIDGES

Apflex™ Series PCC Hexametaphosphate Crystal Cartridges are effective for treating scale, corrosion and iron problems for up to six months at various flow rates and feed concentrations. The PCC-106 insert element is placed in the center core of the cartridge. It is designed for use with standard 10- and 20-inch radial flow, sediment and carbon block double open end (DOE) filter cartridges.

APPLICATIONS

- Air Conditioning Equipment
- Coffee and Vending Machines
- Drinking Water
- Food Service Equipment
- Ice Machines
- Water Heaters
- Water Processing Equipment



INDUSTRIAL®

CARTRIDGE OPERATION

Apflex™ Series PCC Filter Cartridges contain food-grade hexametaphosphate that dissolves slowly in water to inhibit scale and rust build-up. These cartridges are available in four feeder sizes with variable volumes of phosphate crystals. All materials are FDA-grade.

FEATURES

- Hexametaphosphate crystals help prevent lime and scale deposits
- Effective for treating corrosion and iron problems
- Three unique designs to fit multiple applications
- Variety of media volumes and flow rates
- Manufactured with all FDA-grade materials
- PCC-212 and PCC-218 cartridges are designed to fit Pentair 3G® Standard #10 or Slim Line® filter housings
- PCC-1 cartridge is designed to fit in 3G® Standard #10 housings only

SPECIFICATIONS

Component	Material/Value
Filter Media	Food grade polyphosphate
Shell	Polypropylene
Post-Filter	Polypropylene
Gaskets	Buna-N® (PCC-212 & PCC-218)
Temperature Rating	40°F (4.4°C) –100°F (37.8°C)

CAUTION: Eye irritant. Contains sodium calcium hexametaphosphate. Avoid contact with eyes. In case of eye contact, flush with water for 15 minutes, get medical attention. Keep out of reach of children.

WARNING: For drinking water applications, do not use with water that is microbiologically unsafe or of unknown quality without adequate disinfection before or after the system.

NOTE: PCC212 and PCC218 cartridges are not recommended for main line water applications with flow rates exceeding 3.0 gpm (11.4 lpm).

NOTE: With steamers, the water should be flushed daily.

CAUTION: Do not use this cartridge on water that will be carbonated.

CARTRIDGE SPECIFICATIONS AND PERFORMANCE

Model	Maximum Dimensions	Initial ΔP (PSI) @ Flow Rate (gpm)
PCC-1	2.875" x 9.625" (73 mm x 244 mm)	Up to 5 gpm (19 Lpm)
PCC-212	2.625" x 9.75" (67 mm x 248 mm)	1 to 1.5 gpm (4 to 6 Lpm)
PCC-218	2.625" x 9.75" (67 mm x 248 mm)	1.5 to 2.5 gpm (6 to 10 Lpm)

Apflex™ Series PCC Hexametaphosphate Crystal Cartridges	
Scale	Hardness particles are kept separated so they cannot precipitate and form deposits when heated. Maximum hardness 15 gpg.
Corrosion	A protective coating is formed on all metal surfaces, safeguarding against acidity/alkalinity, hardness, chloride and other factors which effect the corrosion of water equipment and pipes. pH range 6.5 – 9.0.
Iron	Dissolved iron, up to 1 ppm, is kept suspended in solution (sequestered), preventing dissolved iron from precipitating, which can cause staining and discoloration.