



VCPH Filter Cartridges

To meet the demand for filtration in the nuclear power industry, Tri Nuclear Corp. has developed a standard filter cartridge for use in our filtration systems.

Features:

- Physically and chemically suited to all nuclear pool environments for long-term storage
- Pleated construction provides large filtration area
- High dirt loading with high flow rates
- Inside-to-outside flow, with solid bottom end caps to contain filtered crud inside the cartridge and prevent the spread of contamination during filter draining and disposal
- Remote underwater handling capability
- Negative buoyancy to prevent filter floatation
- Easily compacted / shredded for volume reduction



Filter Cartridges

Guidelines for filter selection:

- The VCPH-5PE & VCPH-10PE are normally chosen for high dirt loading when vacuuming settled particulate.
- The VCPH-1PE is best utilized for general water clarity.
- The VCPH-0.3PE filter is typically used for final “polishing” of suspended particulate during water clarity operations.

Specifications:

- Outside Diameter: 6 in.
- Inside Diameter: 3-1/2 in.
- Length: 30 in.
- Filter Media: Polyester or Microglass
- Max. Operating Temp.: 140°F
- Max. Flow Rate: 150 GPM
- Max. Differential Pressure: 25 psid

Filter Cartridge Data					
	Cartridge Size	Size Rating	Media Area	Media Type	Weight Each
VCPH-0.1G	0.1 μ (micron)	Nominal	52 Sq. Ft.	Micro Glass	4.5 lbs.
VCPH-0.3PE	0.3 μ (micron)	Nominal	60 Sq. Ft.	Polyester	5.5 lbs.
VCPH-1PE	1 μ (micron)	Nominal	62 Sq. Ft.	Polyester	4.5 lbs.
VCPH-5PE	5 μ (micron)	Nominal	85 Sq. Ft.	Polyester	4.0 lbs.
VCPH-10PE	10 μ (micron)	Nominal	64 Sq. Ft.	Polyester	4.0 lbs.
VCPH-20PE	20 μ (micron)	Nominal	64 Sq. Ft.	Polyester	3.0 lbs.