

Enpure Type CE Series Filter Elements

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Water Treatment and Process Systems

eNPure Type CE porous metal filter elements are well suited for liquid solid separation applications within the chemical process industries.



Elements are manufactured by sintering fine metal powders that have been carefully sieved to provide particle size distributions needed to produce various grades of filter media. Exhibiting high strength, corrosion resistance, temperature resistance, and cleanability, Type CE filter elements

are an ideal choice for backwash filtration applications. Reliable, long life performance can be assured, even in extreme operating conditions.

Standard material of construction is 316L stainless steel; however, a wide variety of temperature and corrosion resistant alloys are available for more demanding applications. Choices include Nickel, Hastelloy* C276, Monel*, Inconel*, Titanium, and others.

For new applications requiring filter design or replacement/retrofit of porous metal elements for an existing filter, eNPure can address your requirements with applications engineering, pilot testing capabilities, design, fabrication, and start-up.

Nominal Rating (microns)	Media Thickness (inches)	Bubble Point		Liquid Filtration Efficiency ¹
		(in Hg)	(in H2O)	
0.1	0.080	7.0 - 9.0		50% @ 0.1µm
0.2	0.080	5.0 - 7.0		50% @ 0.2µm
0.5	0.080	3.0 - 4.0		75% @ 0.5µm
1	0.080	2.3 - 2.7		80% @ 1µm
2	0.080		21.0 - 25.0	80% @ 2µm
5	0.100		15.0 - 18.0	90% @ 5µm
10	0.120		7.5 - 11.0	90% @ 10µm
20	0.120		5.0 - 7.0	90% @ 20µm
40	0.120		3.0 - 4.0	90% @ 40µm
60	0.120		2.0 - 2.9	90% @ 60µm
100	0.120		1.5 - 2.0	90% @ 100µm

Note 1: Liquid filtration efficiencies were measured by using a multi-pass filter test method similar to ISO Standard 16889

*Hastelloy is a registered trademark of Haynes International, Inc. Monel and Inconel are registered trademarks of International Nickel Co., Inc.



Single Element Pilot Filter



Your source for Value Engineered Water and Process Systems

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