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Element Data Sheet

HNO₃ Liquid Phase PGM Recovery Filter

Style:	Double Open End for Particulate removal
Application:	For <70% Concentration Nitric Acid
Contaminants to be removed:	6um fine particles including PGM, mill scale, dust, dirt and rust

Capturing PGM with Graver Technologies liquid nitric acid filters can enhance and improve PGM recovery rates in HNO₃ production facilities. Utilizing filtration in liquid NA applications can improve recovery rates in between storage tank mining operations. The element features a patented filter design which ensures that there will be no bypassing at the interface of the filter media and end caps.

Element Description: The element is designed to remove suspended solids in liquid NA applications. The filter is designed for both weak acid and product acid processes. The principal filtration media is a woven Teflon media that has been third party tested for particle retention. The unit has efficiency rating of 6 um @ 90%. Fine solids are collected on the surface of the Teflon media. The core and end caps are 304 SS. No glues or resins are used in the constructions.

This design offers a low pressure drop. The universal dimensions allow for the element to be installed in many existing filters housings.

Dimensions: **2.5" OD – Available in 10", 20", 30" & 40" Lengths**

Construction:	End Gaskets:	Flat Teflon
	Inner Core:	304 SS
	End Cap:	304 SS
	Filter Media:	Woven Teflon
	Efficiency:	6um @ 90%
	Area:	0.6 Ft ² Effective filter area per 10" length

Operating Limits:	Change Out:	15 PSID
	Max Temp:	400°F
	Max DP:	25 PSID

Part Number:	2.5" x 10"	GT P/N: 24510
	2.5" x 20"	GT P/N: 24583
	2.5" x 30"	GT P/N: 23146
	2.5" x 40"	GT P/N: 23426



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