

The Right Vessel For The Right Septa Choice

TURBOGUARD® VESSEL GUIDE

TurboGuard® Vessel Information



Vessel selection is based upon first selecting the proper material of construction – either unlined carbon steel or 304 Grade Stainless Steel. The next critical component to select is the maximum operating design pressure – either 250 psig or 400 psig.

The final design criteria to select is the maximum design flow rate for the filter. Utilizing the guide below the proper sized vessel is easily selected.



Vessel Sizing Information

- Vessels are sized for 60" TurboGuard filter elements
- For larger flow rates smaller units can be paralleled or stacked
- ASME Code Section VIII Division 1
- Horizontal or vertical mounting
- Flanged connections
- Designed for power plant use



Additional Information

- Filter elements are available in a variety of pore sizes to facilitate specific site conditions
- Units can be paralleled for additional flow capabilities
- Helps in lowering waste disposal costs



- Inside to outside flow
- Filter elements contain no metal for ease in disposal
- Used in boiler condensate for both nuclear and fossil plants, heat recovering steam generators, Pre-Ro and combined cycle plants
- Easy access to filter elements
- No special maintenance required
- Design pressures to 400 psig
- Design temperatures to 180°F



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MATERIAL OF CONSTRUCTION	DESIGN PRESSURE (PSIG) @ 190°F	MAXIMUM FLOW RATES (GPM)*	NOMINAL HOUSING DIAMETER (IN)	ELEMENTS/ HOUSING
CARBON STEEL (UNLINED)	250	1,200	14	3
		2,500	24	7
		5,000	36	14
		8,000	44	22
	400	1,200	14	3
		2,500	24	7
		5,000	36	14
		8,000	44	22
304 STAINLESS STEEL	250	1,200	14	3
		2,500	24	7
		5,000	36	14
		8,000	44	22
	400	1,200	14	3
		2,500	24	7
		5,000	36	14
		8,000	44	22

*Maximum flowrates must be verified based on operating conditions and process requirements.

Over 60 Years of Water Treatment Experience

For over 60 years Graver Water has manufactured equipment and offered services and parts for filters, clarifiers, deaerators, ion exchange, reverse osmosis systems, condensate polishing and more.

We design, engineer and manufacture water and wastewater treatment equipment and control systems for utility, industrial, commercial and municipal applications.

Let Graver provide the solution to your specific water quality needs with stand-alone equipment or a complete treatment system. We combine proven technology with innovative engineering solutions to resolve your treatment needs.

For more information:



675 Central Avenue, Suite 3
 New Providence, NJ 07974
 Phone: (908) 516.1400
 Fax: (908) 516.1401
 www.graver.com
 www.graver-nuclear.com



Graver Technologies

200 Lake Drive
 Glasgow, DE 19702 U.S.A.
 800.533.6623
 Phone: (302) 731.1700
 Fax: (302) 731.1707
 E-mail: info@gravertech.com
 www.gravertech.com

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