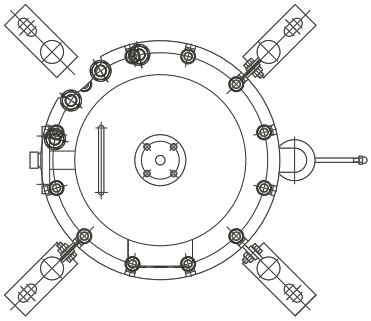
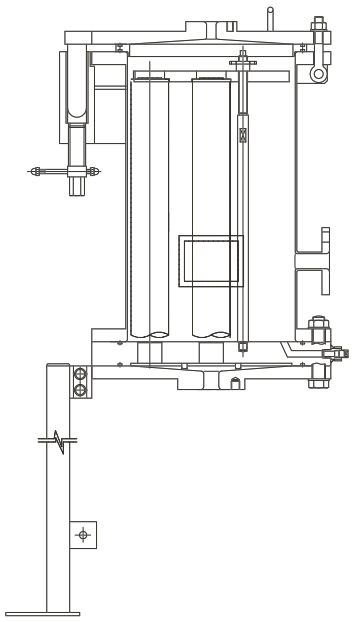
SP Housings

Advanced-PFA coated housing for high-purity chemicals

SP Housing is an advanced PFA coated, multi-round housing with a maximum of 12 cartridges. The housing is constructed of 304 stainless-steel shell and high-performance PFA coating material with high-purity PTFE components.

Selective coating materials are available for different applications. It is recommended for microelectronic-grade bulk chemical suppliers that require strong chemical compatibility, high flow, and superior purity.





APPLICATIONS

Bulk chemical supplier's key applications:

- Advanced photoresist and related chemicals, such as PGMEA and BARC
- High-purity solvent
- High-purity alkali and acid, such as TMAH, NH_4OH, H_2O_2, and H_2SO_4

FEATURES & BENEFITS

High-performance PFA coating	Provides strong chemical resistance to help prevent housing corrosion and metal contamination
Anti-ESD PFA coating option	Dissipates electrostatic charge generated during manufacturing processes, enhancing equipment safety and durability
High-purity materials and uniform internal surfaces	Maintains chemical purity and supports reliable use with microelectronic-grade chemicals
Seamless construction with no weld lines or adhesives	Reduces potential pathways for chemical penetration and contamination
Vacuum-compatible design	Enables reliable operation in vacuum-process conditions
Customizable design options	Supports application-specific requirements and simplifies equipment operation

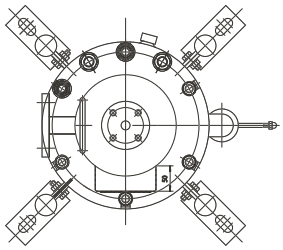
SPECIFICATIONS

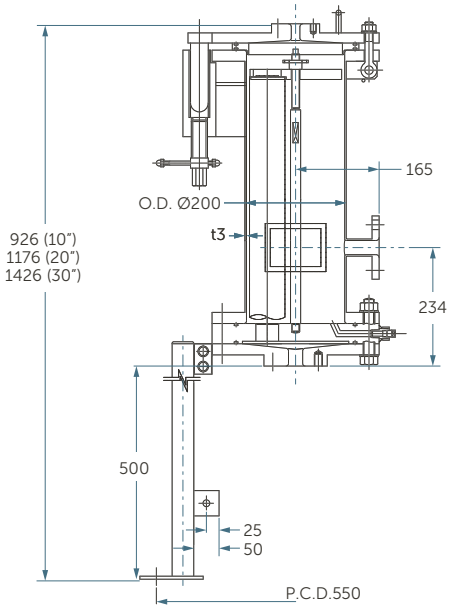
Materials	Housing (shell, bottom, head)	304 Stainless Steel
	Coating material	High-purity PFA for anti-erosion
		High-purity PFA for anti-ESD and anti-erosion
	Plug, manifold, tie rod, nut, plate	PTFE
	Bolt nut	304 Stainless Steel
	O-ring	FFKM
Surface finish	External surface	Pickling
Connections	Inlet/Outlet	JIS 10K FF, ANSI #150 LB
	Vent	JIS 10K FF, ANSI #150 LB
	Drain	Rc¼, NPT ¼
Design pressure	0.6 Mpa	
Cartridge configuration	Code 0	
Cartridge diameter	70 mm, 83 mm	

Note: Preliminary specifications and features subject to change.

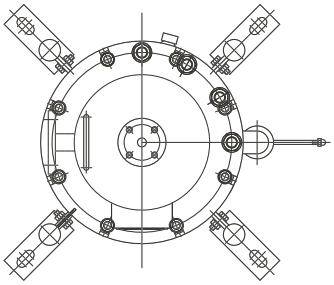
DIMENSIONS

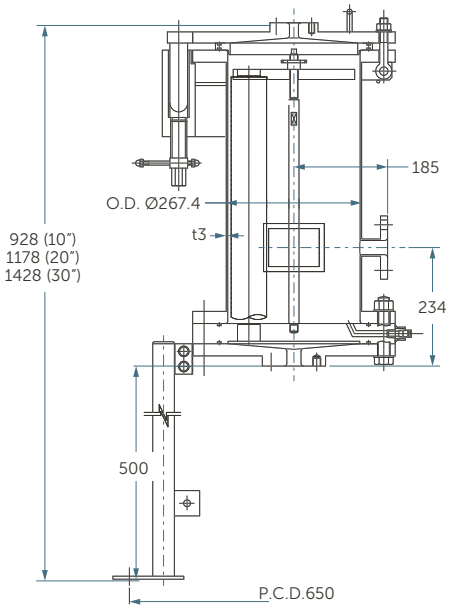
3 (Ø70, Ø83) or 4 (Ø70 only)
Cartridge Type





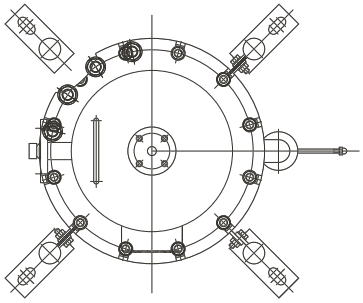
5 (Ø70, Ø83) or 8 (Ø70 only)
Cartridge Type

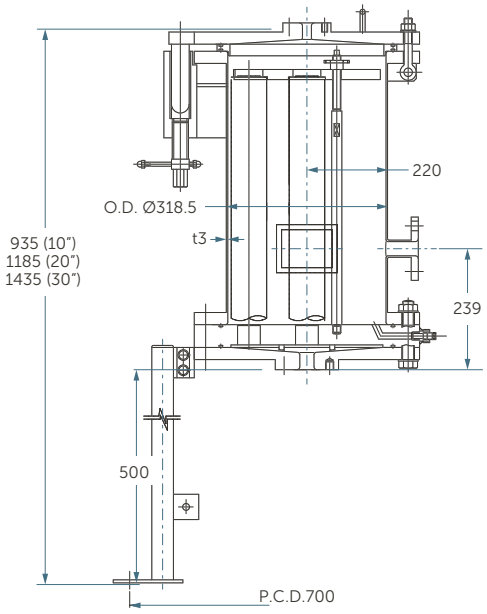




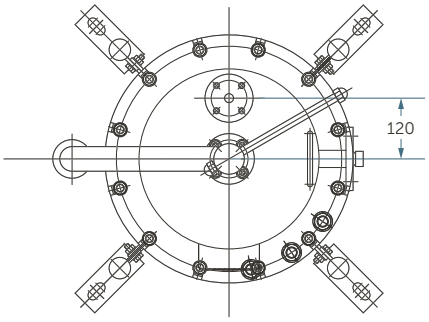
DIMENSIONS (CONTINUED)

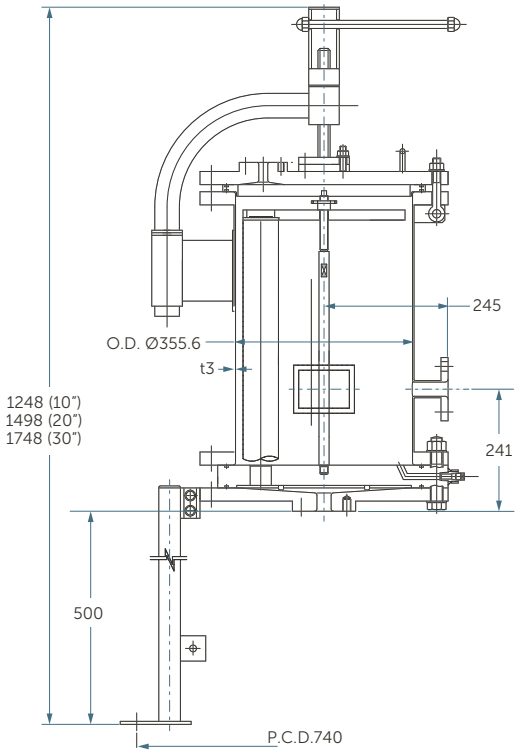
8 (Ø70, Ø83) or 10 (Ø70 only)
Cartridge Type





10 (Ø70, Ø83) or 12 (Ø70 only)
Cartridge Type





ORDERING INFORMATION

For ordering information including spare parts and accessories, please contact Entegris account manager.

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