

élan™

WATER FILTERS
By Harmsco Inc.



ATLANTIC ULTRAVIOLET
CORPORATION® SINCE 1963

SPECIFICATIONS FOR STANDARD MODELS



	EL-100*	EL-190**	EL-325**	EL-450**	EL-560-FL**
Flow rate (GPM)	Up to 100	Up to 190	Up to 325	Up to 450	Up to 560
Flow rate (LPM)	Up to 379	Up to 720	Up to 1,230	Up to 1703	Up to 2120
Flow rate (m3/hr)	Up to 22.5	Up to 43	Up to 73	Up to 101	Up to 126
Required No. of Filters	16	42	75	100	150
Pipe size (NPT)	2" NPT	2" NPT	3" NPT	3" NPT	4" flanged
Filter height	28"	40"	42"	52"	48"
Filter height (cm)	71	102	107	132	122
Floor space requirement	13"x13"	18"x18"	20"x 20"	20"x 20"	28"x 28"
Service height clearance	48"	68"	70"	87"	76"
Service height clearance (cm)	122	173	178	221	193
Shipping weight (lbs)	39	100	129	188	274
Shipping weight (kg)	18	45	59	86	124
Recommended for Models	M50 S2400C/S5,000C	M90 S10,000C	M90, M150 S15,000C	M150, M250 S20,000C	M250 S25,000C

Note: Recommended flow rates are for guidelines only. Typical flow rates are 3 to 6 GPM per single-length cartridge. Actual rates vary depending on the application, solids content, viscosity, micron rating, and length of filter run desired.

* Cartridges are arranged in a single cluster so all cartridges are removed at once. (Model EL-100)

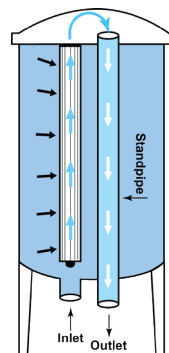
** Models EL-190 – EL-560FL have cartridges installed on lifting rods so a single stack of cartridges are removed at one time for convenience.

- Material, housings: 304 stainless steel
- Bottom seals: Natural gum rubber
- Temperature: Up to 140°F (60°C)
- Pressure rating: Up to 150 psi (10 bar)
- Holding rods: CPVC
- Rim gaskets: EPDM
- O-rings: Buna-N

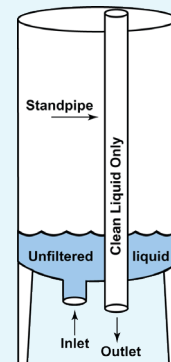
ADVANTAGES OF THE élan MODELS

élan Up-Flow filter housings outperform conventional filters because outlets are located above inlets to provide the following significant advantages:

- NO air entrapment in filter housing during operation.
- NO vents required because air is self-purged.
- NO lost capacity due to air pockets; entire filter medium is utilized at all times.
- NO by-pass during servicing; liquid can only exit filter housing after filtering.



No Air Entrapment
Air is self-purged from élan Up-Flow filters because outlets (top of standpipes) are at the high point of the filters.



No Bypass During Service
No liquid can bypass élan filters during servicing because standpipes are the "clean side" of the filter.

Additional Features

- Manufactured using durable 304 stainless steel — electropolished for increased resistance to corrosion.
- Pressure-rated to 150 PSI (10 bar).
- Safety-lid closure with individual studs for security and easy-to-use wing nuts for closure without tools.



APPLICATIONS

- Bottled Water
- Commercial Water
- Cooling Towers
- Drinking Water
- Equipment Cooling Water
- Ground Water
- Ground Water Remediation
- Heating & Chill Water
- High Purity Water
- Industrial Water
- Process Water
- R/O Prefiltration
- Surface Water
- Water Systems
- Wastewater

ADVANTAGES OF THE élan FILTER CARTRIDGES

- Pleated polypropylene filter media provide more surface area for longer filter life and increased particle removal.
- Filter cartridges filter longer and can be cleaned and reused in many applications.
- **EASY-OFF™** End Caps, center tubes, and media are thermally bonded as one integral component for added strength and superior end sealing.
- Low pressure drop due to pleated design.
- High throughput for fewer change-outs and lower costs.
- FDA-listed materials for use in potable water and liquid food applications.



Additional features of the Absolute micron filter

- Absolute-rated one-micron filter media removes cyst-sized particles for safe, cyst-free drinking water.
- Substantially removes Cryptosporidium, Giardia Cysts, harmful organisms, sediment, silt, turbidity, and more.

élan FILTER CARTRIDGE SPECIFICATIONS

Model	Micron Rating	End Cap	Length	O.D.	Qty/Case	Application
EL-FC1	1 Micron Absolute*	Tan	9 ¾"	2 ¾"	24	Surface Water
EL-FC5	5 Micron	White	9 ¾"	2 ¾"	24	Drinking Water
EL-FC20	20 Micron	Blue	9 ¾"	2 ¾"	24	Wastewater

* Absolute rated filter cartridges meet or exceed the three-log (99.9%) removal requirements described in National Sanitation Foundation® Standard 53 for cyst-sized particles. For this reason, élan cartridges are ideal to control cryptosporidium, giardia cysts, and other harmful microorganisms to help ensure cyst-free drinking water.

Temperature rating: Up to 140°F (60°C) depending on pressure and time under load. Flow rate: Typically 3–6 GPM per single length cartridge. Flow rates may vary depending on solids and other factors. Cartridges can separate solids in liquids with a pH of 3 to 11. Filter housings pressure rated to 150 psi (10 bar). Single length cartridges are 9-¾" long.

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375 Marcus Boulevard, Hauppauge, NY 11788 • (631) 273-0500 • Fax: (631) 273-0771
Email: Sales@AtlanticUV.com • AtlanticUltraviolet.com • Ultraviolet.com

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