Quotation Worksheet - Filter Elements

Copy, Fill Out, & FAX Back

(Fax No. should be stamped on the back cover)

Form is also at www.sparksfilters.com **Request A Quote**

Sparks filter elements are offered in styles and sizes that directly replace OEM elements. We cross reference thousands of filters to assist you in sourcing your replacement needs, while saving you money.

Can you email a digital picture.jpg to: Sales@SparksFilters.com?
Can you measure the element's ID, OD, OH? If so we can replace it.
If you only answer the items in red, we can get started.

Tape your card here, or...

Your Name _____

Company _____

Address _____

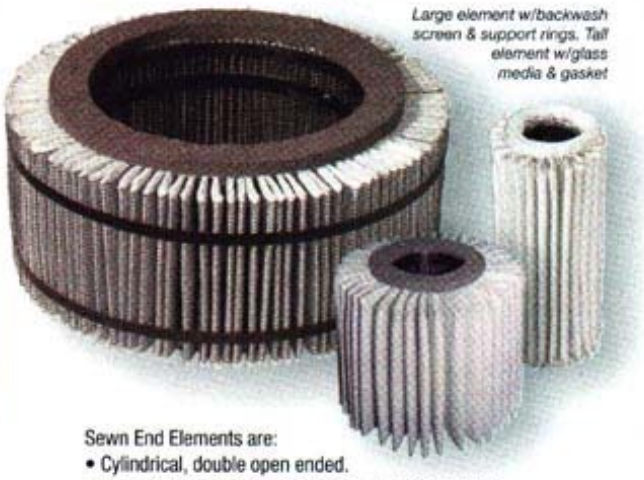
City, State, Zip _____ ____ _____

Phone _____ Fax _____

email _____

Is your element a

Sewn End Style ?



Large element w/backwash screen & support rings. Tall element w/glass media & gasket

Sewn End Elements are:
- Cylindrical, double open ended.
- Typically four overall heights: 12", 17", 21", or 25".
- Carbon steel (magnetic) or 304SS core. (not magnetic)
- Felt or rope style gasket, die cut or formed.

... Or a

Molded End Style ?

Molded End Elements are:
- Cylindrical, double or single open ended.
- Any overall heights.
- Carbon steel (magnetic) or 304SS core (not magnetic)
- Ends are:
  1.) Rubber (excellent) or PVC (cheap seats use this)
  2.) Silicone (typically red) service to 500°F.

... Or an

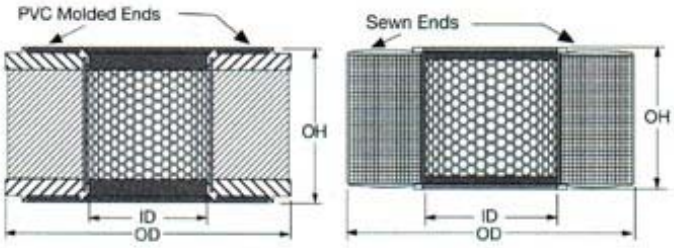
Accordion Style ?

Accordion Style Elements are:
- cylindrical, double open ended.
- Polyester felt filter media.
- No center core.

We need only the OH, Fin Depth, and No. of pleats to quote you. There is no "ID"

What end type Is It? (Pick One):

Sewn End ____ Molded End ____ Accordion ____



(Measure ID, OD & OH to closest 1/8 inch)

Inside Diam.	Outside Diam.	Overall Height	# of Pleats ±2
of core, or inner support rings.	...if it's out of round, measure circumference & divide by 3.14	...set a yardstick across top & measure from underside of the stick to the table or floor.	...count a 90° section & multiply by 4.

Are you replacing an existing filter element? _____(Y/N)

Is there a brand name on a tag ? _____

Can you find any part numbers ? _____

Is your element open at both ends? _____(Y/N)

Choose metal parts i.e. center core, rings, wire screens
Coated mild steel [ ] . . . . 304 SS [ ] . . . or 316 SS [ ]

...carbon steel is magnetic, 304SS and 316SS are not magnetic.

Filter media (See choices on pg 30) _____
.....#5 (10μ polyester felt) is the most common choice, #7 or #910 close 2nds.

You can mail us a scrap of the existing media if you like.

Do you want a pleated backwash screen ? _____ (Y/N)
... option for Sewn Ends, molded ends include this (unless they are cheap paper)

Do you need internal metal fin spacers ? _____ (Y/N)
... option for Sewn Ends used in liquid service. Quality fin spacers are corrugated.

Operating Temperature? _____ ° F

What fluid are you filtering? _____
...i.e. room air, natural gas, compressor exhaust with oil mist ??

If Molded End Style:

Std. Rubber _____ (Pick one Y/N)
...continuous service to 200°F, intermittently to 350°F, consult us for considerations at elevated temperatures.

OR Aliphatic Hydrocarbon Resistant PVC _____
...continuous service to 200°F, intermittently to 250°F

OR RTV Silicone _____
...continuous serve to 450°F, intermittently to 500°F

Other (Metal perhaps, but is that important?) _____

Other comments _____

SparksFilters

Sewn End Filter Elements

Sewn End Style - Cylindrical, Double Open Ended (DOE) with attached textile gasket seal, perforated steel center core (or when by others possibly inferior expanded metal). Filter media is sewn or ultrasonically bonded over a pleated woven wire cage. The large sewn end filter is illustrated with optional backwash screen banded to the exterior of the filter media. Sewn end style filter elements can serve in high temperatures (700+°F with all glass filter media) or environments with aggressive chemistry that might otherwise attack filters with molded ends. However, with the newest Polyurethanes now being used, molded ends can replace sewn end elements for most common services at a fraction of the cost.

Sewn End Filter Elements have rugged metal baskets and hand sewn media that match a design proven for decades. These elements are constructed entirely from metal and textile media, without needing any potting material or synthetic end seals. They can endure services with otherwise difficult chemistry or high temperatures that molded end elements or some adhesives used in metal ended filters could not withstand.

We start with heavy duty 16 & 20 ga. center cores with 58% open area for lower ΔP. *Competitors will often use expanded metal or off grade perf.* Large elements get solid steel support rings and welded lift lugs to assist you in handling. We double weld for superior strength. Our standard deck wire is woven to width. *Competitors will often use mild steel screen (rusts) with raw cut edges that can poke through the media.* When a non-standard width is required, we do something no one else does, we fold it. We preclude the chance for sharp wires to damage the crucial filter media, or even more importantly, your hands! Our radius cut notch ring reliably secures the pleated deck wire assembly to the element core. *Others use square cut notch ring that fails.* Standard sewn end filters (those with cat#s ending with K5) use corrosion inhibited carbon steel cores, epoxy coated deck wire, and high flow 10μ (98%) polyester felt media. For corrosive services, we offer optional 304 or even 316 stainless steels. A wide selection of alternative filter media covers a full spectrum of chemical resistances, with particle retentions down to 1 μ, and service to 700°F.

Factory Recover Service: We recover all brands and makes of sewn end filters. If the soiled filter is safe to handle, return it to us. We will replace the filter media and gaskets, at a fraction of the cost of a new filter. Owing to the extra care we put into the manufacture of our own sewn end filter elements, we can factory recover them forever*.

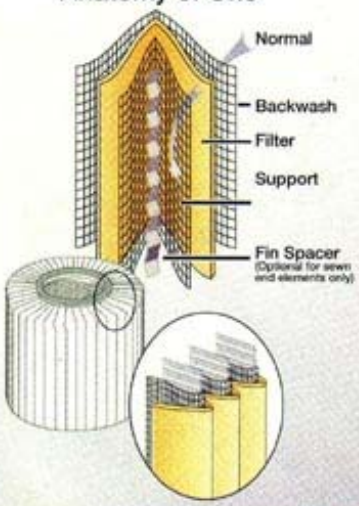
These "baskets" are ruggedly built. Cores are 58% open 16 or 20 ga. steel, all wire screen is epoxy coated and woven to width, notch ring is radius cut, support rings are plentiful. They are durable to enable multiple factory recoveries.

*Please note: *We cannot rebuild filters that have been subjected to hazardous service or environments beyond their design expectations. For safety reasons, MSDS (Material Safety Data Sheets,) or Certificates of Compliance are required prior to accepting filter elements for recovery.*

Does your P/N have a -BK- or an -HK- in it?

Sewn end filters may also have optional backwash screen (BK , BN) and/or fin spacers (HK, FK, FN, HN). In the interest of brevity, we did not list each filter with all possible options.

Anatomy of One



Backwash screen is useful if the fluid flow is ever reversed to clean and extend the service life. For top performance, we pleat backwash screen to full height & full fin depths.

Fin spacers are corrugated metal strips placed within the interior pocket of each pleat to promote flow in high ΔP, or liquid service.

We offer all options, including alternate filter media (does your P/N end in different numbers?), and 304SS metal parts (an N vs. a K). Please call if your P/N is close.

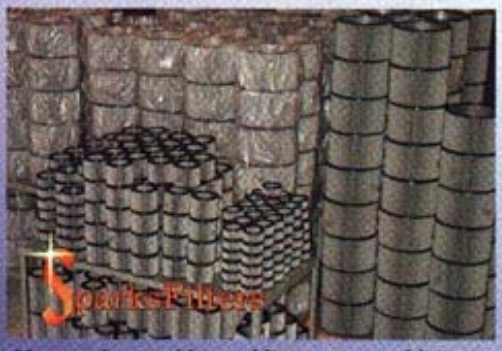
Rubber Molded End Filters

- **Rugged Rubber End Seals**
  - No Bypass. No Cracking w/Age.
- **Textile Media -** Not Paper
  - Handles Moisture, Vibration, Abuse.
- **Genuinely Cleanable**
  - Practical & Economical
- **Exceptional Performance**
  - Lower ΔP, Longer Life

More than 50 years ago, molded end filter elements challenged the worst of punishments in industrial and military services. Today, with synthetic rubber ends, they are arguably the finest air/gas filters ever made.

We manufacture a broad range of sizes ...Overall heights to 40", outside diameters to 36", and inside diameters from 1" to 30". *(If you need larger, please call for specific information.)* They can handle air/gas flows to 20,000 CFM. Some provide particle retentions down to 99.9% at 0.1 μ (micron).

These molded end filters are cylindrically shaped. They are designed to cover an intake opening, being held in place by a reuseable plate fitting over a center rod assembly. They have solid rubber ends, heavy duty perforated mild steel, 304SS or 316SS center cores, and radially pleated filter media jacketed with woven wire screen. This screen jacket holds fins open, greatly improving flow and life. Their textile media are well known for superior performance and cleanability vs. fragile paper media. This rugged construction has been long proven to yield higher flows, longer life, and lower ΔP!



New urethane rubber molding systems yield superior filter end seals at production run economy. Don't settle for PVC ends that can soften at intermittent elevated temps., or crumble if undercured.

Rubber Molded End Style - Cylindrical, double open ends (DOE) of polyurethane rubber, perforated or expanded metal center core, pleated textile, or wire screen filter media. ODs 3" -36", OVHTs 2" - 40". Pleat depths from 0.5" - 4.25". These are arguably the finest built, self sealing, low micron, low ΔP, high flow, field cleanable, and fool proof filter elements available today.

Rubber Molded Ends.

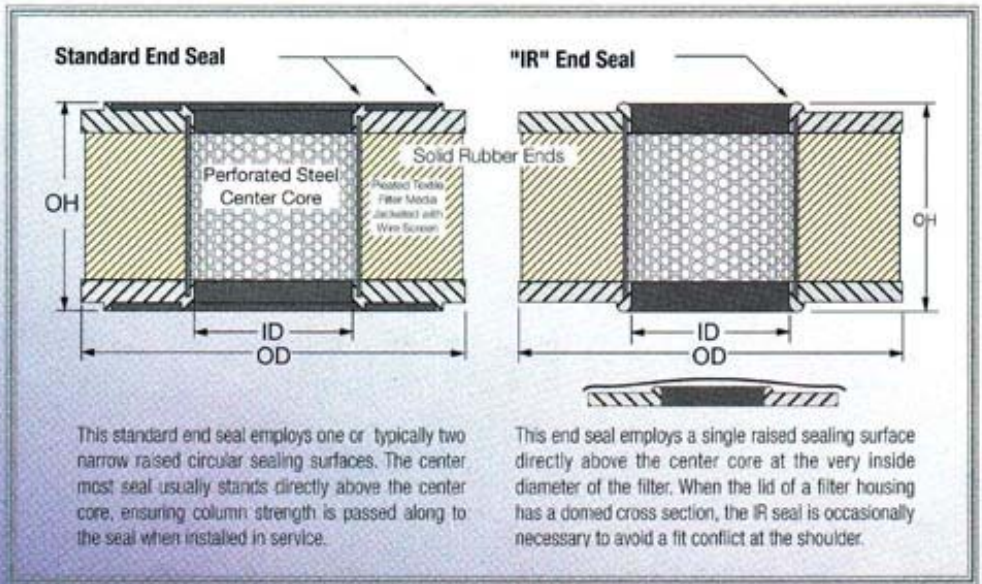
The filter media, support screens, and element cores are bonded together by synthetic rubber ends. Rubber is much more rugged and durable-than lesser polyvinyl elastomers used by others. Rubber will not crumble in service as undercured PVC can. PVC is as much as 50% plastisizer. When this plastisizer evaporates, PVC ends can crack and fail. Our standard synthetic rubber ends are black. We offer colored rubber as well, such as white for food service applications.

We carve production molds from solid stock (no stampings) for exacting end seals. These seals stop dirt cold, and resist most oils and solvents, moisture, or vibrational punishment. They can withstand continuous service to 200° F, and intermittent service at 350°F*. Optional Silicone rubber ends can serve to nearly 500°F.

**Performance considerations vary with elevated service temperature and environments. Metal end options with high temp potting materials can serve to over 2000°F.*

An Element's Core Is Its Heart.

A filter with a weak center core is a house built of straw. We routinely use 16 and 20 gauge perforated steel with 58% open area for low ΔP and high column strength to support the innermost end seal. We weld metal core seams and use premium corrosion inhibitors that will not flake off as paint can. These elements are designed to stand up to abuse.



This standard end seal employs one or typically two narrow raised circular sealing surfaces. The center most seal usually stands directly above the center core, ensuring column strength is passed along to the seal when installed in service.

This end seal employs a single raised sealing surface directly above the center core at the very inside diameter of the filter. When the lid of a filter housing has a domed cross section, the IR seal is occasionally necessary to avoid a fit conflict at the shoulder.