Air/Gas Filters - to 1480 psig

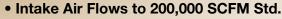
1480psig @ -20 to 100°F 1350psig @ -20 to 200°F

Series P50- Enameled Carbon Steel ♦ Series P52- 304 Stainless

parksFilters.com

For more information contact : SparksFilters 585-624-4500 585-624-5300 fax

E-Mail: Sales@sparksfilters.com



- ASME U Stamp Std., Nat'l. Board Registered
- Low Pressure Drop, Maximum Filter Area and Dirt Capacity
- Hinged Flange, Lift Lug, and 18" CS leg supports Std.
- Service Access W/O Breaking Connections
- 304SS Throat Safety Cages and ΔP Taps Std.
- Rugged Enameled Steel or 304SS Construction These air and gas pipe
 line filters offer exceptional protection for compressed gas pipelines, air dryers, pneumatic controls, and
 other pipeline equipment. They are fabricated from rugged enameled carbon steel (series P50) or 304SS
 (series P52), designed, constructed, and stamped, in accordance with ASME Boiler and Pressure Vessel
 Code requirements for unfired pressure vessels. Any model can be readily modified at your request to
 more exactly fit your needs.

Connection Sizes from 1" to 12"

Raised face flanges (RF) in-line connections are std. Alternative orientations and sizes are available upon request. A simple blind flange closure assembly is standard on all models.

• Recoverable Sewn or Rubber End Filter Elements.

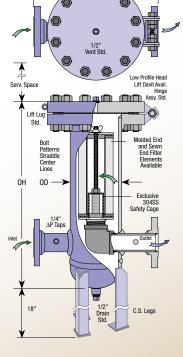
Classic radial fin textile media elements are unsurpassed for low $\Delta P,$ dirt holding capacity and efficiency. They stop particulates before they can move downstream. Select either recoverable 10μ Sewn End Filter Elements or 10μ long life low cost urethane rubber molded end elements, as your needs dictate to remove 98% of all airborne dust and dirt. Unlike PVC, our urethane rubber ends have no phthalate elastomers or other plastisizers. Dozens of alternative filter media are available for services having finer micron retentions, elevated temperatures and/or aggressive chemistry, see page 30.

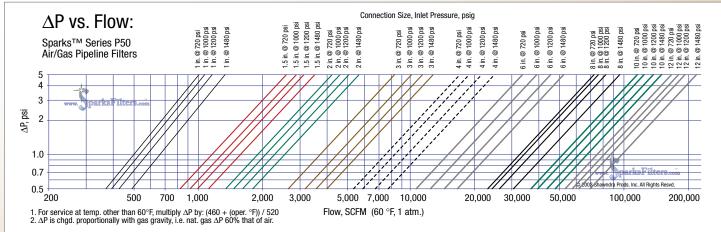
Options

Carbon steel support legs in any length, (18" CS leg supports are std. on all P50 and P52 models), gauges, special finishes, and head lift assemblies are optional on any model. Call for information on vessels having other pressure services, 304SS, or other materials of construction. See http://www.sparksfilters.com for more options.

		Conn.	Conn.		Di	mensions	s in Inch	es	Wat.	Select Filte	er Elements		
	Housing Model No.	Size	Туре	Cover Style	OD	ОН	С	Serv. Space	Lbs.	Sewn End 10µ	Molded End 10µ		
	P50-0200-RF-010	1"	Flg.	Blind Flg.	6%	24	18	16	350	320-0365K5	321-1439K5		
	P50-0201-RF-015	1½"	Flg.	Blind Flg.	65/8	28	18	16	400	320-0525K5	321-3235K5		
	P50-0202-RF-020	2"	Flg.	Blind Flg.	8%	28	18	16	450	320-0526K5	321-3236K5		
	P50-0203-RF-030	3"	Flg.	Blind Flg.	85/8	39	24	24	500	320-0527K5	321-3237K5		
	P50-0204-RF-040	4"	Flg.	Blind Flg.	10¾	42	28	24	1000	320-0528K5	321-3238K5		
	P50-0205-RF-060	6"	Flg.	Blind Flg.	12¾	51	30	26	1200	320-0529K5	321-3239K5		
	P50-0206-RF-080	8"	Flg.	Blind Flg.	16	66	32	36	1800	320-0530K5	321-3240K5		
	P50-0208-RF-100	10"	Flg.	Blind Flg.	20	76	36	36	2600	320-0531K5	321-3241K5		
	P50-0209-RF-120	12"	Flg.	Blind Flg.	24	78	42	39	3600	320-0532K5	321-3242K5		







Filter Vessel Options & Features

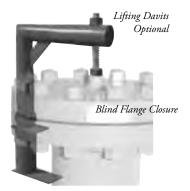


Hinges w/lift ring std. above 35 lbs.



O-Ring Closure (Hinge std.) Buna-N Gasket Std., Viton, Teflon coated, EPDM gaskets available.

A Superior Finish! We use



a high gloss enamel that has exceptional resistance to fungus, salt air, and alkalis. It is twice as costly as lesser paints. Some competitors use paints that are designed instead to hide welding and other fabrication defects. Our standard grey finish is used on all sheet metal filter housings. Pressure vessels have a special "clean white" interior finish. If you have special requirements for finishing, let us know.



5 % Acetic No Effect Lactic Acid No Effect Mineral Oil. Salt Spray, 200 hrs.. No Effect Flexibility 180° Mandrel, 1/4". No Cracking Fungus Resistance per Fed. Spec. TTP-18, para. F-3g No Mildew

No Effect

Resistance To:

2 % NaOH

Optional Low Profile Lifting Davit.

Removable



Safety Screen sits under (downelement(s) to guard against lost pens, stray coins, and other undesirable items at time of filter element change out.



ur process and pipeline filters can be readily altered from standard design items, with special features and options to suit your requirements. This is a partial list of options. Call us with your special needs, we will be more than helpful.

Closures, Hinges & Optional Lifting Davits.

We offer an exceptional O-Ring closure design up to 175 psig, and Blind Flange closures operating above 175 psig. Hinges are std. for blind flanges weighing more than 35 lbs., and lifting davits are available as well. Other closure options such as Threaded or Ring Joint Flange are also available. Teflon coated studs and nuts are available.

Gauge Connections, Support Legs...

Legs are std. on many vessels. Differential pressure gauges, level gauges, and/or switches, adjustable support legs, pipe legs, special NDE (Non Destructive Examination ...like X-ray), mixed metals of construction, ie. stainless steel clean side, and other requests to meet the needs of your specific service environment are available, just ask.

Superior Wall Thickness of Shells & Heads.

Minimum Schedule Std. Our 10" vessels have 0.365 walls where competitor's lesser drawn shells have only 0.120 to 0.130 walls. This means our vessels have much greater corrosion allowances, much more dependable closure seals, and eliminates shipping damage typical of drawn shell constructions.

- Stainless Steel Safety Cages are standard. These removable cages have saved many a maintenance person who might have dropped a wrench or pen when changing out a filter element.
- Rust Inhibiting White Interior Enamel Standard! Superior to clear coats. Everyone loves it! Sandblast and special finishes are
- Vessels Through 16" Diameter in a Hurry! Our rapid 2 to 4 week delivery is legend!

Detailed Approval Drawings are Fast!

Normally in a week, 2 weeks max. for complex requirements. (Yes, We do the tuff stuff! Try us.) We are very flexible on special orders and design modifications. Our non-code vessels are made from the same materials, quality and welding as our code vessels.

ASME Code Stamp

Our companion organization, Rush Certified, Inc., is fully certified to provide the ASME Boiler & Pressure Vessel Code "U" Stamp as required by most states for unfired pressure vessels exceeding 15 psig. Each vessel is registered with the National Board of Boiler Pressure Vessel Inspectors. Our code stamp allows design service to 3000 psig.

Most jurisdictions (see table) require certain vessels to comply with the ASME Code. It is the responsibility of the end user to verify the requirements within their jurisdiction, and to advise if vessels are to contain lethal substances, i.e. poisonous gases or liquids of such nature that very small amounts could be dangerous to life (mixed or unmixed with air). ASME Code Section VIII Div. 1 covers pressure vessels for containment of internal or external pressure (vacuum). You should consider need for ASME Cert. when:

(A) Vessels have an internal or external operating pressure of greater than 15 psi max. (no size limitation) or

(B) Vessels have an inside diameter of greater than 6 inches, without limitation on length or pressure.

* Only portions of code.

ALY	MOY	WV N
AK N	MTN	WI
AZ N	NB Y	WYY
ARY	NV Y	AlbY
CAY	NHY	B.C. Y
COY	NJY	ManY
CTN	NMN	N.BY
DEY	NYY	N.F.&LY
FL N	NCY	NW.TY
GAY	NDY	N.SY
HIY	OHY	OntY
IDY	OKY	PE IsY
ILY	ORY	QueY
INY	PAY	SasY
IAY	PRY	Y.TerY
KSY	RIY	Albuquerque
KYY	SC N	Des Moines
LA N	SD N	Miami
MEY	TNY	New Orleans
MDY	TX N	Tucson Univsty Cty
MAY	UTY	Dade Co
MI Y*	VTY	Jeff Parish
MNY	VAY	St Louis Co
MSY	WAY	Dist.of Clmb

Tape your card here, or	
Your Name	
Company	
Address	
City, State, Zip	
Phone Fax	
email	

. The service space re-

quirements are shown

on the sales drawing

for your project. Ample space should also be

allowed for easy ac-

cess, disassembly, and

inspection of the filter and its components.

• The filter should be

mounted in a upright vertical position with

the legs on a level

foundation. To prevent

movement the leas may be bolted or lagged.

Small or special design

filters may be mounted or supported by other

means with the consent

· Special care should be taken in the design

and installation of the

piping to the filter. The

piping system should be sufficiently sized

to minimize ΔP . Most

piping systems are sloped to accessible

· Instrumentation of

some type is com-

mon for most filter

systems in the form of

gauges, sensors and/or switches. The use of instruments can save

time and money reduc-

ing visual inspections. Typical change out is

between 5 & 10 PSI

· All systems should

be carefully pressure

tested, inspected,

and cleaned before

being placed in service.

Many process systems

require special purging

or pickling, and may require filter changes

or special start-up

cartridges for this

procedure.

differential.

drain points.

of the factory.

Quotation Worksheet - Filter Vessels Print, Fill Out, & FAX Back

Form is also at www.sparksfilters.com Request A Quote then, If you would like to request a vessel quote click here parksFilters.com

Note: Direction of Flow is reversed from that illustrated here if coalecsing

For more information contact: **SparksFilters 585-624-4500** 585-624-5300 fax

E-Mail: Sales@sparksfilters.com

