In-Line Air & Gas Filters

Series E20 - Enameled Steel w/Bolted Closure
Series E22 - 304 Stainless Steel w/Bolted Closure

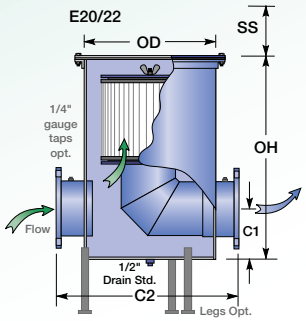
Access Handles Standard on Models with OD 12" and greater.

- **Air/Gas Flows to 20,000 SCFM**
- **Low ΔP / High Flow Design**
- **304SS Throat Safety Cages Std.**
- **Connection Sizes to 24"**
- **Bolt Seal Closure to 5 psid***
- **Options:** ΔP Taps, Angle legs, ΔP gauge

- **Rugged Enameled Steel Construction** Series E20 & E22 air/gas filters utilize a single self sealing cylindrical filter element to provide the ultimate in protection for compressors, blowers, turbines, engines, and other pipeline equipment. Fabricated from heavy gauge enameled or 304stainless steel, they utilize a bolt seal closure with neoprene or teflon gasketing for service to 5 psid*. Any model can be modified to more exactly suit your needs.

- **Connections to 24"** Male NPT (MT) or flat face flanges (FF) are std. Flanges match diameter & drilling for 150# ANSI standard. Specify optional female NPT (FT), bevel (BE) or plain cut (PE) stub necks where you wish to weld in place. Increased or decreased connections are also available on any model.

- **Choice of Filter Elements** Series E22 In-Line Air & Gas Filters are similar to enameled steel series E20 but are constructed instead from 304 stainless steel. Filter elements w/304 SS media support screen &/or center cores are also available. (Replace the "K" in the filter element part number with an "N" for 304SS core and 304SS media support screen, or a "Q" for 304SS core with epoxy coated aluminum media support screen). These textile media elements are superior for low ΔP, high dirt holding capacity and exceptional efficiency. They stop pipe scale and other contaminates before they can travel down-stream. Select from 10μ, 4μ High Efficoiency, or 0.3μ coalescing filter elements as your needs dictates to remove 98% of all dust, dirt, and if coalecing, fine mists. Addt'l. media and element styles are available for services at elevated temperatures or specific chemistries.

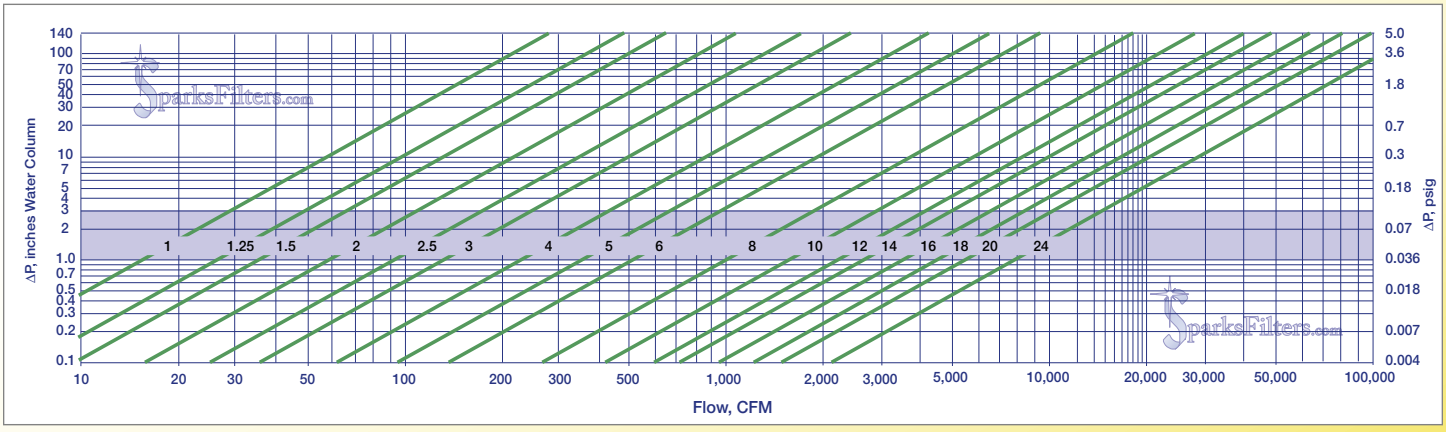


** When used for coalescing services, housings must be installed with flow reversed from that shown above. Inlet flow should travel first to the inside of the filter element, passing through the media to the outside. Coalesced liquids will also pass through the element to collect in sump area below.*

** Consult us for use with reciprocating compressors, or designs to 15 psid.*

Note maintenance free 304SS safety cage and high performance filter element. PE connections (Housing cover & filter element sealing plate removed)

Enameled Steel Housing w/Bltd Closure, Cat. No.	304SS Housing w/Bltd Closure, Cat. No.	Typ. Flow CFM	Std. Connection		Approximate Dimensions, Inches					Wgt. lbs.	Select One Filter Element*:		
			Size	Type	OH	OD	C1	C2	SS		10μ	High Eff. 4μ	Coalecing* 0.3μ
E20-0001-MT-015	E22-0001-MT-015	55	1½""	MPT	12½"	6⅝"	3"	14"	5"	20	321-2082K5	321-2082K7	321-2118WK907
E20-0002-MT-020	E22-0002-MT-020	90	2"	MPT	15½"	6⅝"	3"	14"	8"	21	321-2083K5	321-2083K7	321-2119WK907
E20-0003-MT-030	E22-0003-MT-030	200	3"	MPT	26	8⅝"	4"	16"	16"	44	321-2146K5	321-2146K7	321-2120WK907
E20-0004-MT-040	E22-0004-MT-040	350	4"	MPT	26	10¾"	4"	22"	16"	70	321-2107K5	321-2107K7	321-2121WK907
E20-0005-FF-060	E22-0005-MT-060	800	6"	Flg	40½"	12¾"	6"	24"	25"	120	321-2108K5	321-2108K7	321-2122WK907
E20-0006-FF-080	E22-0006-MT-080	1500	8"	Flg	42½"	16"	8"	28"	25"	200	321-2109K5	321-2109K7	321-2123WK907
E20-0007-MT-100	E22-0007-MT-100	2400	10"	Flg	48½"	20"	10"	32"	25"	240	321-2110K5	321-2110K7	321-2124WK907
E20-0008-MT-120	E22-0008-MT-120	3400	12"	Flg	48½"	24"	10"	36"	25"	310	321-2111K5	321-2111K7	321-2125WK907
E20-0009-MT-160	E22-0009-MT-160	5400	16"	Flg	50½"	32"	12"	44"	21"	530	321-2192K5	321-2192K7	321-2126WK907
E20-0010-MT-200	E22-0010-MT-200	8500	20"	Flg	62½"	36"	14"	48"	25"	660	321-2194K5	321-2194K7	321-2127WK907
E20-0011-MT-240	E22-0011-MT-240	12,000	24"	Flg	68½"	44"	18"	56"	25"	950	321-2195K5	321-2195K7	321-2128WK907



Use the chart above, to access the init. ΔP vs. flow for series E, F, & H20 air intakes. Be aware that the maximum practical flow through a filter housing, like other piping, is limited primarily by the cross sectional area of the connection. Compare the connection size shown with the desired flow. It is prudent to select a connection having a value that is central to the shaded area for suction induced flow. While engines and reciprocating compressors routinely tolerate inlet air restrictions to 20" W.C. (water column), lesser blowers or fans may require element service at 5" W.C. While the init ΔP does not increase, the specific filtration resistance of the airborne contaminates in your location ultimately dictates filter element life. High performance textile elements routinely serve for periods from 3 mos. to 2 yrs., with 1 yr. being common. Use of In-line filters as guard filters between bag houses and blowers is common and life between cleanings will vary with bag quality and upset frequency.