



Side Arm Air & Gas Filters

Series F20 - Enameled Steel w/Bolted Closure
 Series F22 - 304 Stainless Steel w/Bolted Closure

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

Series F20 & F22 w/bolt seal closure circuit air & gas filters are essentially similar to series E in-line filters except their outlet connection is directly out the bottom. Where practical, this orientation reduces ΔP by eliminating an elbow. They are also slightly less expensive than equivalent E series housings. *Filter elements w/304SS screen &/or center cores are also available if required.

• 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 F22 In-Line Air & Gas Filters are similar to enameled steel series F20 but are constructed instead from 304 stainless steel. Filter elements w/304 SS media support screen &/or center cores are also available if desired. (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 contaminants before they can travel downstream. Select from 10 μ , 4 μ High Efficiency, or 0.3 μ coalescing filter elements as your needs dictates to remove 98% of all dust, dirt, and if coalescing, fine mists. Add'l. media and element styles are available for services at elevated temperatures or specific chemistries.



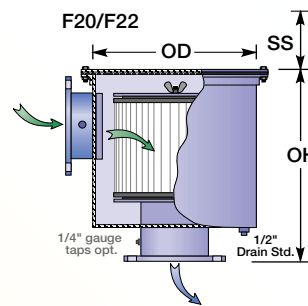
Rugged urethane rubber end seals with 10 μ or 4 μ polyester textile media permits exceptional air or gas flows at remarkably low ΔP with very high dirt holding capacity.

* When used for coalescing services, housings should be installed with flow reversed from that illustrated. 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.

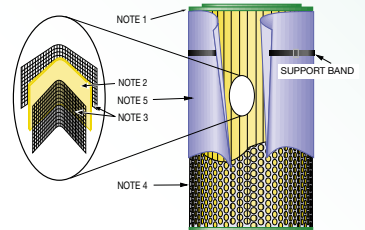
* Consult us for use with reciprocating compressors, or designs to 15 psid.



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



High Flow Performance
 Low ΔP , Pleated
 Coalescing Filter Element Construction



Enameled Steel Housing w/Blt'd Closure, Cat. No.	304 Stainless Steel Housing w/Blt'd Closure, Cat. No.	Typ. Flow CFM	Std. Connection Size	Approximate Dimensions, Inches				Wgt. lbs.	Select One Filter Element*:		
				OH	OD	C	SS		10 μ	High Eff. 4 μ	Coalescing* 0.3 μ
F20-0001-MT-015	F22-0001-MT-015	55	1 1/2" MPT	13 1/2"	6 5/8"	9"	5"	23	321-2082K5	321-2082K7	321-2118WK907
F20-0002-MT-020	F22-0002-MT-020	90	2" MPT	16"	6 5/8"	12"	8"	24	321-2083K5	321-2083K7	321-2119WK907
F20-0003-MT-030	F22-0003-MT-030	200	3" MPT	24"	8 5/8"	20"	16"	38	321-2146K5	321-2146K7	321-2120WK907
F20-0004-MT-040	F22-0004-MT-040	350	4" MPT	24"	10 3/4"	20"	16"	55	321-2107K5	321-2107K7	321-2121WK907
F20-0005-FF-060	F22-0005-FF-060	800	6" Flg	40"	12 3/4"	34"	25"	90	321-2108K5	321-2108K7	321-2122WK907
F20-0006-FF-080	F22-0006-FF-080	1500	8" Flg	40"	16"	34"	25"	120	321-2109K5	321-2109K7	321-2123WK907
F20-0007-FF-100	F22-0007-FF-100	2400	10" Flg	44"	20"	34"	25"	160	321-2110K5	321-2110K7	321-2124WK907
F20-0008-FF-120	F22-0008-FF-120	3400	12" Flg	44"	24"	34"	25"	200	321-2111K5	321-2111K7	321-2125WK907
F20-0009-FF-160	F22-0009-FF-160	5400	16" Flg	48"	32"	34"	21"	350	321-2192K5	321-2192K7	321-2126WK907
F20-0010-FF-200	F22-0010-FF-200	8500	20" Flg	48"	36"	34"	25"	450	321-2194K5	321-2194K7	321-2127WK907
F20-0011-FF-240	F22-0011-FF-240	12,000	24" Flg	48"	44"	34"	25"	650	321-2195K5	321-2195K7	321-2128WK907

*Coalescing Filter elements are available for services requiring mist and particulate removal.

1. Oil & Gas Resistant Ends
2. Filter Media: MicroGlass/Synthetic composite.
3. Upstream/Downstream epoxy coated screen jackets.
4. Perforated carbon steel core; Perforated outer shell (corrosion control coated).
5. Outer foam drain wrap. This wrap can be easily removed where nonaqueous service conditions could deteriorate the wrap. Performance without the wrap has proven to be good.