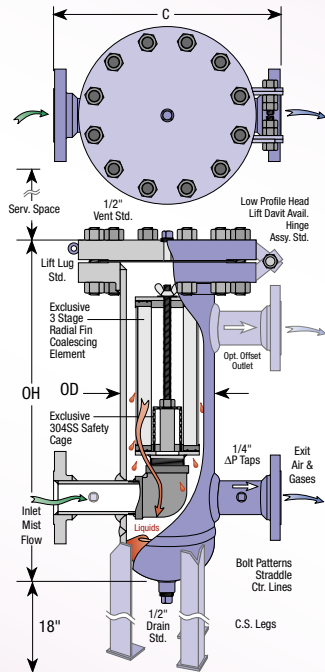


Coalescing Filters - to 740 psig

740psig @ -20 to 100°F
675psig @ -20 to 200°F

Series R40- Enamelled Carbon Steel ◊ Series R42- 304 Stainless

- Intake Air Flows to 150,000 SCFM Std.
- ASME U Stamp Std., Nat'l. Board Registered
- Pleated Element Design - Exceptional Useful Filter Area, Low ΔP, High Flow
- Hinged Flange w/Lift Lug Std., Service Access W/O Breaking Connections
- 304SS Throat Safety Cages and ΔP Taps Std.
- Rugged Enamelled Steel or 304SS Construction



Series R40 coalescing pipeline filters are fabricated from rugged enamelled carbon steel, (R42 are 304SS), designed, constructed, and stamped in accordance with ASME Boiler and Pressure Vessel Code requirements for unfired pressure vessels. Any model can be modified to more exactly fit your needs.

• **Standard Connection Sizes from 1" to 12"**
Male NPT or raised face flange in-line connections are std. Alternative orientations and sizes are available. An elevated discharge connection is shown below. A hinged blind face flange closure assembly with lift lug is standard.

• **Coalescing Filter Media.** Sparks™ #907 media is composed of microfine borosilicate glass fibers bonded with phenolic resin. Together with a textile prefilter and a final drain layer, these pleated elements are remarkably effective at coalescing fine entrained oil and aqueous vapor mist from air/gas flows with very low ΔP. Experience has demonstrated high removal (over 90%) in dealing with 1.0 to 0.3μ aerosols. **Other optional filter media such as #926 exceeds 95% removals.** Individual performance will vary with the specific viscosity and vapor pressure of liquid contaminants.

• **Options:** Models R40-0202-RF-020 and larger include CS leg supports. (add 18" to OH) Carbon steel support legs in any length, 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 pgs. 13 & 14 for more options and a worksheet to fax back to us.](#)



Filters that saved a plant from shut down. Two ASME code certified coalescing filter-separators solved a very serious problem. They now protect an existing upstream unit filled with costly molecular sieve (over \$200,000) from liquid contamination in the gas stream. Together with a second Sparks™ filter-coalescer, this unit employs an automatic drain system and removes over 500 gallons of liquid per day with over 99% efficiency.

Housing Model No.	Conn. Size	Conn. type	Cover Style	Dimensions in Inches				Wgt. Lbs.	Order Element No.
				OD	OH	C	Serv. Space		
R40-0200-MT-010	1"	MPT	Blind Flg.	6 5/8	24	18	16	200	321-1439WK907
R40-0201-MT-015	1 1/2"	MPT	Blind Flg.	6 5/8	28	18	16	220	321-3235WK907
R40-0202-RF-020	2"	Flg.	Blind Flg.	8 5/8	28	18	16	240	321-3236WK907
R40-0203-RF-030	3"	Flg.	Blind Flg.	8 5/8	39	20	24	310	321-3237WK907
R40-0204-RF-040	4"	Flg.	Blind Flg.	10 3/4	42	24	24	500	321-3238WK907
R40-0205-RF-060	6"	Flg.	Blind Flg.	12 3/4	51	28	26	750	321-3239WK907
R40-0206-RF-080	8"	Flg.	Blind Flg.	16	66	30	36	1500	321-3240WK907
R40-0207-RF-100	10"	Flg.	Blind Flg.	20	76	36	36	2400	321-3241WK907
R40-0208-RF-120	12"	Flg.	Blind Flg.	24	78	42	39	3400	321-3242WK907

