



BOK 304SHH

BOK Series Hermetic Liquid Line Filter Driers

The BOK is a liquid line filter drier for burnout clean-up and wax removal.

Features

- Activated carbon blend for soluble contaminant and wax removal
- Solid copper connections
- Corrosion resistant epoxy powder paint finish

Specifications

Filtration 40 microns
 Maximum working pressure 680 psig (47 bar)
 UL/CUL file number SA3124
 Canadian CRN 0E21971.513467890YTN

Model number nomenclature - Example: BOK 305S-HH

Series	Unit size	Connection size	Connection style	Desiccant type	Sequential identifier	Customer special	Pack type
BOK	30	5	S	HH			
Hermetic Liquid Line Filter Driers	In Cubic In.	In 1/8" Increments	S = ODF	HH = Activated Carbon	Blank Thru -99	G = Customer Special (Omit for Standard)	B1 = Bulk Pack (Omit for Individual Pack)

BOK Liquid Line Filter Driers & capacity table

Model number	Item number	Unit size (cubic inches)	Inlet X outlet Conn. Size	Flow capacity ^{1 4} Tons @ 1 psi Δp (for kw, multiply tons by 3.5)						Water capacity ² drops of water ³															
				R-22 / r-448a / r-513a	R-134a / r-450a / r-507	R-404a / r-507	R-407c	R-410a	R-744	R-22		R-134a		R-404a / R-507		R-407c		R-410a		R-448a / R-449a		R-450a / R-513a		R-744	
										75°F	125°F	75°F	125°F	75°F	125°F	75°F	125°F	75°F	125°F	75°F	125°F	75°F	125°F	75°F	125°F
BOK 082HH	060223	8	1/4" X 1/4" SAE	1.6	1.5	1.1	1.6	1.6	2.1	78	59	88	71	93	71	74	45	66	38	32	30	40	37	51	63
BOK 082SHH	064591	8	1/4" X 1/4" ODF	3.4	3.1	2.2	3.3	3.4	4.4																
BOK 083HH	060224	8	3/8" X 3/8" SAE	4.2	3.9	2.8	4.1	4.2	5.4																
BOK 083SHH	064572	8	3/8" X 3/8" ODF	4.6	4.2	3.0	4.5	4.6	5.9																
BOK 162HH	060240	16	1/4" X 1/4" SAE	1.6	1.5	1.1	1.6	1.6	2.1	153	117	171	141	182	141	91	56	77	41	67	61	83	76	93	113
BOK 163HH	060241	16	3/8" X 3/8" SAE	4.7	4.3	3.1	4.6	4.7	6.1																
BOK 163SHH	060242	16	3/8" X 3/8" ODF	6.3	5.8	4.2	6.2	6.3	8.1																
BOK 164HH	060228	16	1/2" X 1/2" SAE	9.3	8.6	6.2	9.1	9.3	12.0																
BOK 164SHH	060229	16	1/2" X 1/2" ODF	11.1	10.2	7.4	10.9	11.1	14.3																
BOK 165HH	060230	16	5/8" X 5/8" SAE	13.9	12.8	9.3	13.6	13.9	17.9																
BOK 165SHH	060231	16	5/8" X 5/8" ODF	13.9	12.8	9.3	13.6	13.9	17.9																
BOK 303HH	060232	30	3/8" X 3/8" SAE	4.7	4.3	3.1	4.6	4.7	6.1																
BOK 304HH	060233	30	1/2" X 1/2" SAE	10.7	9.9	7.2	10.5	10.7	13.8	267	204	300	245	318	247	234	146	160	94	119	108	148	135	167	203
BOK 304SHH	060234	30	1/2" X 1/2" ODF	11.7	10.8	7.8	11.5	11.7	15.1																
BOK 305HH	060235	30	5/8" X 5/8" SAE	14.6	13.5	9.8	14.3	14.6	18.8																
BOK 305SHH	060236	30	5/8" X 5/8" ODF	15.8	14.6	10.6	15.5	15.8	20.4																

BOK Liquid Line Filter Driers & capacity table (continued)

Model number	Item number	Unit size (cubic inches)	Inlet X outlet Conn. Size	Flow capacity ^{1 4} Tons @ 1 psi Δp (for kw, multiply tons by 3.5)						Water capacity ² drops of water ³															
										R-22		R-134a		R-404a / R-507		R-407c		R-410a		R-448a / R-449a		R-450a / R-513a		R-744	
				R-22 / R-448a / r-449a	R-134a / r-450a / r-513a	R-404a / r-507	R-407c	R-410a	R-744	75°F	125°F	75°F	125°F	75°F	125°F	75°F	125°F	75°F	125°F	75°F	125°F	14°F	75°F		
BOK 414HH	060237	41	1/2" X 1/2" SAE	11.1	10.2	7.4	10.9	11.1	14.3	379	282	427	344	454	342	256	155	220	125	163	150	204	186	249	305
BOK 415HH	060238	41	5/8" X 5/8" SAE	17.7	16.3	11.8	17.4	17.7	22.8																
BOK 415SHH	064593	41	5/8" X 5/8" ODF	17.7	16.3	14.4	21.1	17.7	22.8																
BOK 417SHH	060239	41	7/8" X 7/8" ODF	21.5	19.8	14.4	21.1	21.5	27.7																

¹ All ratings in accordance with ARI Standard 710-04. 86°F liquid refrigerant temperature
5°F saturated vapor temperature
3.1 lbs./min./ton for R-134a
2.9 lbs./min./ton for R-22 and R-407C
4.0 lbs./min./ton for R-404A/507 and R-12
2.7 lbs./min./ton for R-410A
5 Since there is currently no ARI standard for R-744, values are based on 1 ton of
refrigeration at 20°F liquid refrigerant temperature and -20°F saturated vapor temperature.

² Water Capacities are based on:
Equilibrium Point Dryness (EPD) of:
50 parts per million for R-134a,
R404-A/507, R-410A, R-407C, and R-744
60 parts per million for R-22
15 parts per million for R-12

³ 20 drops of water = 1 gram = 1 cc
4 For 2 PSI ΔP, Multiply values by 1.4

Liquid refrigerant holding capacity-ounces

Unit size	R-134a		R-22		R-407C		R-410A		R-404A / 507		R-448A / R-449A		R-450A / R-513A		R-744	
	75°F	125°F	75°F	125°F	75°F	125°F	75°F	125°F	75°F	125°F	75°F	125°F	75°F	125°F	20°F	-20°F
08	6.7	6.0	6.6	5.9	6.3	5.5	5.9	4.9	5.8	4.9	6.0	5.4	6.4	5.8	5.3	5.9
16	12.8	11.5	12.6	11.3	12.0	10.5	11.2	9.4	11.1	9.3	11.7	10.4	12.4	11.2	10.1	11.3
30	20.1	18.1	19.8	17.8	18.9	16.6	17.6	14.9	17.4	14.7	18.3	16.3	19.4	17.6	16.0	17.7
41	26.9	24.4	26.6	23.9	25.4	22.3	23.7	20.0	23.3	19.7	24.5	21.8	26.1	23.6	21.4	23.8