System Protector Quick Select Guide

Hermetic Filter-Driers

Type	Filter Drier	Page	Recommended Use	Function
Liquid	EK	138	CFC, HCFC, HFC	Premium Universal Replacement
Liquid	ADK	141	CFC, HCFC, HFC	High Acid and Water Removal
Liquid	BOK-HH	145	CFC, HCFC, HFC	Burnout Cleanup with Charcoal
Liquid	BFK	143	CFC, HCFC, HFC	Bi-Flow Heat Pump
Suction	SFD	157	CFC, HCFC, HFC	Suction Line Filter-Drier
Suction	CSFD	158	CFC, HCFC, HFC	Compact Suction Line Filter-Drier
Suction	ASD	156	CFC, HCFC, HFC	Premium Suction Line Filter-Drier
Suction	ASK-HH	159	CFC, HCFC, HFC	Burnout Cleanup with Charcoal
Suction	ASF	160	CFC, HCFC, HFC	Filter Only

Take-A-Part Filter-Driers

Type	Filter Drier	Page	Liquid	Suction
Take-A-Part	STAS	149	X	X
Take-A-Part	ADKS	151	X	X
Take-A-Part	BTAS	154		X

Replaceable Cores/Filters for Take-A-Part Shells

Type	Core/Filter	Page	Recommended use	Function
Core	D-42/48	153	CFC, HCFC	High Acid Removal
Core	H-42/48/100		CFC, HCFC	High Acid and Water Removal
Core	W-42/48/100HH		CFC, HCFC, HFC	Burnout Cleanup w/Charcoal
Core	UK-48/100		CFC, HCFC, HFC	Premium Universal Replacement
Filter	F-48/100		CFC, HCFC, HFC	Filter Only
Core	RH-48		Reclaim Use Only	High Acid and Water Removal
Core	RW-48		Reclaim Use Only	Burnout Cleanup

Recommended System Tonnage

Take A-Part Liquid Line Filter-Driers in Tons*

Description	Refrigeration, Low Temp. & Commercial Installations			Air Conditioning Field Replacement & Field Installations	
	R-12/R-134a	R-22	R-404A/R-507A	R-12/R-134a	R-22/R-407C/R-410A+
STAS 485T	8	10	8	8	10
STAS 487T	10	13	10	10	12 1/2
STAS 489T	10	15	10	10	15
STAS 4811T	13	20	13	13	20
STAS 967T	20	25	15	20	25
STAS 969T	25	30	20	25	30
STAS 9611T	30	35	25	30	35
STAS 9613T	35	40	30	35	40
A-TD-9625S-V	40	45	35	40	45
STAS 1449T	30	40	30	30	40
STAS 14411T	40	50	35	40	50
STAS 14413T	45	55	40	45	55
STAS 14417T	60	50	45	50	60
STAS 19211T	50	70	45	50	70
STAS 19213T	60	80	55	60	80
STAS 19217T	65	85	60	65	85
ADKS 30013T	50	65	45	50	65
ADKS 30017T	60	80	50	60	80
ADKS 40017T	65	85	55	65	85
ADKS 40021T	75	100	65	75	100

* For kW, multiply tons by 3.5

+ Consult product catalog pages for R-410A suitability.

Recommended System Tonnage

Hermetic Liquid Line Filter-Driers (EK, ADK, BFK, BOK)

(Recommended Capacities at 2 psi drop (See catalog page showing ARI data for capacity at 1 psi drop.)

Description	Refrigeration Low Temp. & Commercial Installations			Air Conditioning Field Replacement & Field Installations	
	R-12/R-134a	R-22	R-404A/R-507	R-12/R-134a	R-22/R-407C/R-410A
032	1/2	1/2	1/2	1	1-1/2
032S					
033					
033S					
052	3/4	3/4			
052S					
053	1-1/2	2	1-1/2	3	4
053S					
082	1	1	3/4	1-1/2	2
082S					
0825S		2	1	3	4
083	2	3	2	4	5
083S					
084		4		5	7-1/2
084S					
162	1-1/2	2	1	1-1/2	2
162S					
1625S	2	3	2	3	4
163	3	5	3	4	5
163S					
164				5	10
164S					
165		7-1/2		7-1/2	12
165S					
303	4	5		4	6
303S					
304		7-1/2	4	7-1/2	10
304S					
305	7-1/2	10	5	10	15
305S					
307S				18	24
309S		15		20	26
413	4	5	4	5	5
414			5	7-1/2	12
414S					
415	7-1/2	7-1/2	7-1/2	12	18
415S					
417S	10	10		18	25
419S		12	10	20	27
757S	20	25	15	22	30
759S	22	30	20	25	34

EK Liquid Line Filter-Drier

The EK Liquid Line Filter-Drier is a premium compacted bead filter-drier with a fine 20 micron fine outlet pad for maximum filtration. The EK is a premium universal replacement liquid line filter-drier for CFC, HCFC and HFC refrigerants including R-12, R-134a, R-22, R-404A, R-407C, R-410A, R-500, R-502, and R-507.

Features

- Filtration first for more effective use of surface area of desiccant
- High moisture and acid removal capacity
- Solid copper connections
- Corrosion resistant epoxy powder paint finish
- Copeland® brand products approved for POE Oils
- Shock resistant steel shell construction

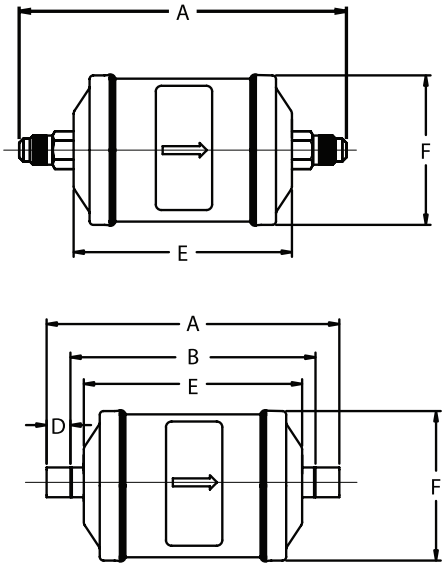
Specifications

- Desiccant blend - optimized for high water capacity and acid capacity
- Filtration: 20 microns
- Maximum working pressure: 680 psig
- UL/CUL file number: SA 3124

Nomenclature example: EK-083S

EK	08	3	S
Drier Series	Unit Size (in cu. in.)	Connection Size (in 1/8")	S = ODF connections (omit for SAE)

Dimensional Data



Ordering Information

PCN	Description	Dimensions (in)					Weight (lbs)
		A	B	D	E	F	
060009	EK 032	4.38	-	-	2.56	1.63	0.50
060012	EK 032S	3.88	3.13	0.38			
060011	EK 032FM	3.50	-	-			
060010	EK 032MF	3.50					
060013	EK 033	4.69					
060014	EK 033S	4.06	3.19	0.44			
047601	EK 052	4.81	-	-	3.00	2.63	0.88
057013	EK 052MF	4.50					
047602	EK 052S	4.44	3.69	0.38			
047603	EK 053	5.13	-	-			
047604	EK 053S	4.50	3.63	0.44			
047605	EK 082	5.63	-	-	3.81		1.25
047606	EK 082S	5.25	4.50	0.38			
049551	EK 0825S	5.38	4.38	0.50			
056906	EK 083MF	5.94	-	-			
047607	EK 083						
047608	EK 083S	5.31	4.44	0.44			
047609	EK 084	6.19	-	-			
047610	EK 084S	5.38	4.38	0.50			
047611	EK162	6.56	-	-	4.75		1.25
047612	EK 162S	6.19	5.44	0.38			
056045	EK 1625S	5.94	5.31	0.31			
047613	EK 163	6.88	-	-			
047614	EK 163S	6.25	5.44	0.44			
047615	EK 164	7.06	-	-			
047616	EK 164S	6.31	5.31	0.50			
047617	EK 165	7.50	-	-			
047618	EK 165S	6.56	5.31	0.63			
047619	EK 167S	7.50	5.63	0.75			
048210	EK 303	9.63	-	-	7.50	3.06	3.75
048211	EK 303S	9.00	8.13	0.44			
048212	EK 304	9.88	-	-			
048213	EK 304S	9.13	8.13	0.50			
048214	EK 305	10.31	-	-			
048215	EK 305S	9.31	8.06	0.63			
048216	EK 306S	9.69	8.44				
048217	EK 307S	9.88	8.38	0.75			
048218	EK 309S	10.25	8.44	0.94			
048219	EK 413	9.75	-	-	7.63	3.69	4.75
048220	EK 414	10.00					
048221	EK 414S	9.25	8.25	0.50			
048222	EK 415	10.44	-	-			
048223	EK 415S	9.44	8.19	0.63			
048224	EK 417S	10.00	8.50	0.75			
048225	EK 419S	10.94					
048228	EK 757S	15.44	13.94		13.06		7.50
048229	EK 759S	15.75	13.88	0.94			

[1]Does not include weld bead

Contractor's Choice EK Filter Drier

The Contractor's Choice EK filter drier is designed for foodservice and residental air conditioning applications.

Features

- Extended solid copper connections
- Dual access valves for faster and easier system diagnosis
- Incorporates all the internal features of the premium EK

Ordering Information

PCN	Description
063908	EK 032S VV
065966	EK 052S VV
065963	EK 053S VV
065964	EK 083S VV
065965	EK 163S VV

Specifications

- Desiccant blend - optimized for high water capacity and acid capacity
- Filtration: 20 microns
- Maximum working pressure: 680 psig
- UL/CUL file number: SA 3124

EK Cap Tube Filter Drier

The EK Cap Tube filter drier is designed for foodservice refrigeration systems.

Features

- Schrader valve on the inlet side acts as a maintenance and charging port
- Outlet is designed to accept capillary tubing without the need for crimping
- Extended solid copper 1/4 ODF connection inlet by cap tube
- Incorporates all the internal features of the premium EK

Ordering Information

PCN	Description
063208	EK 032 SV CAP (3 cubic inch)
065846	EK 052 SV CAP (5 cubic inch)

Specifications

- Desiccant blend - optimized for high water capacity and acid capacity
- Filtration: 20 microns
- Maximum working pressure: 680 psig
- UL/CUL file number: SA 3124

EK Capacity Tables

Description	Connections Inlet/Outlet	Flow Capacity Tons @ 1 psi ΔP [1,4] (For kW, multiply tons by 3.5)						Water Capacity[2] Drops of Water[3]													
								R-12		R-134a		R-22		R-407C		R-410A		R-404A/507		R-502	
		R-12	R-134a	R-22/R-410A	R-407C	R-404A/ R-507	R-502	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
EK 03 2 FM	1/4 Fem/1/4 Male SAE	1.6	2.0	2.2	2.1	1.4	1.4														
EK 03 2 MF	1/4 Male/1/4 Fem SAE	1.6	2.0	2.2	2.1	1.4	1.4														
EK 03 2	1/4 SAE	1.6	2.0	2.2	2.1	1.4	1.4														
EK 03 2 S	1/4 ODF	2.2	2.7	2.9	2.9	2.0	1.9	47	41	40	37	40	33	33	25	21	19	38	37	42	37
EK 032 SV	1/4 ODF	2.2	2.7	2.9	2.9	2.0	1.9														
EK 03 3	3/8 SAE	2.5	3.0	3.3	3.2	2.2	2.1														
EK 03 3 S	3/8 ODF	2.5	3.0	3.3	3.2	2.2	2.1														
EK 05 2 FM	1/4 Fem/1/4 Male SAE	1.7	2.1	2.3	2.2	1.5	1.5														
EK 05 2 MF	1/4 Male/1/4 Fem SAE	1.7	2.1	2.3	2.2	1.5	1.5														
EK 05 2	1/4 SAE	1.7	2.1	2.3	2.2	1.5	1.5														
EK 05 2 S	1/4 ODF	2.7	3.3	3.6	3.5	2.4	2.3	133	119	116	106	114	97	95	75	64	58	109	106	120	107
EK 05 3 MF	3/8 Male/3/8 Fem SAE	2.9	3.5	3.8	3.7	2.5	2.5														
EK 05 3	3/8 SAE	2.9	3.5	3.8	3.7	2.5	2.5														
EK 05 3 S	3/8 ODF	3.6	4.4	4.8	4.7	3.2	3.1														
EK 08 2 FM	1/4 Fem/1/4 Male SAE	1.9	2.3	2.5	2.4	1.7	1.6														
EK 08 2 MF	1/4 Male/1/4 Fem SAE	1.9	2.3	2.5	2.4	1.7	1.6														
EK 08 2	1/4 SAE	1.9	2.3	2.5	2.4	1.7	1.6														
EK 08 2 S	1/4 ODF	2.5	3.1	3.4	3.3	2.2	2.2														
EK 08 25 S	5/16 ODF	2.9	3.5	3.8	3.7	2.5	2.5														
EK 08 3 MF	3/8 Male/3/8 Fem SAE	3.3	4.0	4.3	4.3	2.9	2.8	274	240	237	218	235	200	195	155	159	118	224	217	245	217
EK 08 3	3/8 SAE	3.3	4.0	4.3	4.3	2.9	2.8														
EK 08 3 S	3/8 ODF	3.7	4.5	4.9	4.8	3.3	3.2														
EK 08 4	1/2 SAE	5.5	6.7	7.3	7.1	4.9	4.7														
EK 08 4 S	1/2 ODF	5.8	7.1	7.7	7.5	5.1	5.0														
EK 16 2 MF	1/4 Male/1/4 Fem SAE	1.9	2.3	2.5	2.4	1.7	1.6														
EK 16 2	1/4 SAE	1.9	2.3	2.5	2.4	1.7	1.6														
EK 16 2 S	1/4 ODF	2.5	3.1	3.4	3.3	2.2	2.2														
EK 16 25 S	5/16 ODF	2.5	3.1	3.4	3.3	2.2	2.2														
EK 16 3	3/8 SAE	3.2	3.9	4.2	4.1	2.8	2.7														
EK 16 3 S	3/8 ODF	3.6	4.4	4.8	4.7	3.2	3.1	347	301	371	341	368	313	305	240	206	186	350	340	306	272
EK 16 4 S	1/2 ODF	7.0	8.5	9.2	9.0	6.2	6.0														
EK 16 5	5/8 SAE	8.0	9.7	10.5	10.3	7.0	6.8														
EK 16 5 S	5/8 ODF	8.3	10.1	10.9	10.7	7.3	7.1														
EK 16 7 S	7/8 ODF	12.7	15.5	16.8	16.5	11.2	10.9														
EK 30 3	3/8 SAE	3.5	4.3	4.7	4.6	3.1	3.0														
EK 30 3 S	3/8 ODF	5.2	6.3	6.8	6.7	4.6	4.4														
EK 30 4	1/2 SAE	6.6	8.1	8.8	8.6	5.9	5.7														
EK 30 4 S	1/2 ODF	8.2	10.0	10.8	10.6	7.2	7.0														
EK 30 5	5/8 SAE	8.7	10.6	11.5	11.3	7.7	7.5	601	526	664	611	657	561	548	434	515	355	627	608	536	477
EK 30 6 S	3/4 ODF	12.1	14.8	16.0	15.7	10.7	10.4														
EK 30 7 S	7/8 ODF	13.8	16.8	18.2	17.9	12.2	11.8														
EK 30 9 S	1 1/8 ODF	16.1	19.6	21.2	20.8	14.2	13.8														
EK 41 3	3/8 SAE	3.5	4.3	4.7	4.6	3.1	3.0														
EK 41 4	1/2 SAE	8.5	10.4	11.3	11.1	7.5	7.3														
EK 41 4 S	1/2 ODF	8.9	10.8	11.7	11.5	7.8	7.6														
EK 41 5	5/8 SAE	9.8	12.0	13.0	12.8	8.7	8.5	1104	971	938	854	919	785	765	607	715	465	876	850	991	884
EK 41 7 S	7/8 ODF	16.6	20.3	22.0	21.6	14.7	14.3														
EK 41 9 S	1 1/8 ODF	22.7	27.7	30.0	29.4	20.1	19.5														
EK 75 7 S	7/8 ODF	18.2	22.2	24.1	23.6	16.1	15.6														
EK 75 9 S	1 1/8 ODF	26.8	32.7	35.4	34.8	23.7	23.0	2368	2159	2159	2019	2159	1880	1810	1460	1460	1111	2019	2019	2229	2019

[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
4.4 lbs./min./ton for R-502
2.7 lbs./min./ton for R-410A

[2] Water Capacities are based on:
Equilibrium Point Dryness (EPD) of:
50 parts per million for R-134a, R404-A/507, R-410A and R-407C
60 parts per million for R-22
15 parts per million for R-12
30 parts per million for R-502

[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-12		R-134a		R-22		R-407C		R-410A		R-404A/R-507		R-502	
	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
03	2.9	2.6	2.6	2.3	2.6	2.3	2.5	2.1	2.3	1.9	2.3	1.9	2.7	2.3
05	6.5	5.9	6.0	5.4	5.9	5.3	5.6	4.9	5.3	4.4	5.2	4.4	6.0	5.3
08	8.3	7.6	7.6	6.9	7.5	6.8	7.2	6.3	6.7	5.7	6.6	5.6	7.7	6.8
16	10.2	9.4	9.4	8.6	9.3	8.4	8.9	7.8	8.3	7.0	8.2	6.9	9.5	8.4
30	28.7	26.3	26.4	23.9	26.1	23.5	24.9	21.9	23.3	19.6	22.9	19.4	26.7	23.4
41	40.0	36.4	36.9	33.1	36.4	32.5	34.7	30.3	32.5	27.2	31.9	26.8	37.2	32.4
75	72.4	66.3	66.7	60.3	65.8	59.2	62.8	55.2	58.7	49.5	57.7	48.9	67.2	59.0

ADK Core Style Liquid Line Filter-Drier

The ADK is a solid core liquid line filter-drier ideal for use with CFC, HCFC, and HFC refrigerants.

Features

- Solid copper connections
- High moisture and acid removal capacity
- Corrosion resistant epoxy powder paint finish
- Copeland® brand products approved for POE oils

Nomenclature example: ADK 083S

ADK	08	3	S
Series	Unit Size (in cu. in.)	Connection Size (in 1/8")	S = ODF connections (omit for SAE)

Specifications

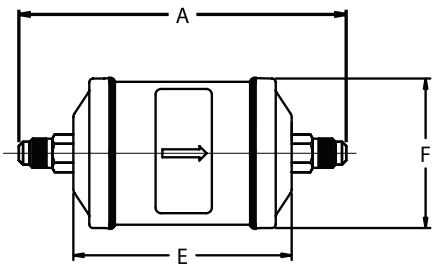
- Desiccant Blend: optimized for high water capacity and acid capacity
- Filtration: 40 microns
- Maximum working pressure: 680 psig
- UL/CUL file number: SA 3124

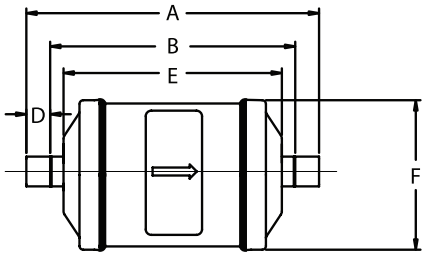
Ordering Information

PCN	Description	Connection Size	Dimensions (in)					Weight (lbs)
			A	B	D	E	F[1]	
059874	ADK-032	1/4 SAE	4.38			2.56	1.75	0.50
052451	ADK-032S	1/4 ODF	3.88	3.13	0.38			
023157	ADK-033	3/8 SAE	4.69					
053172	ADK-033S	3/8 ODF	4.06	3.25	0.44			
060125	ADK-052	1/4 SAE	4.88			3.00	2.63	1.00
060126	ADK-052S	1/4 ODF	4.44	3.69	0.38			
060127	ADK-053	3/8 SAE	5.13					
060128	ADK-053S	3/8 ODF	4.50	3.69	0.44			
060129	ADK-082	1/4 SAE	5.63			3.81	2.63	1.25
060130	ADK-082S	1/4 ODF	5.00	4.31	0.38			
060131	ADK-083	3/8 SAE	5.94					
060132	ADK-083S	3/8 ODF	5.38	4.06	0.63			
060133	ADK-084	1/2 SAE	6.19					
060134	ADK-084S	1/2 ODF	5.38	4.06	0.75			
059838	ADK-162S	1/4 ODF	6.94	5.25	0.25	4.75	2.63	1.75
059820	ADK-162	1/4 SAE	6.56					
059839	ADK-163	3/8 SAE	6.75					
060795	ADK-163S	3/8 ODF	6.25	5.00	0.63			
059840	ADK-164	1/2 SAE	7.13					
059841	ADK-164S	1/2 ODF	6.38	5.00	0.75			
059842	ADK-165	5/8 SAE	7.56					
059843	ADK-165S	5/8 ODF	6.56	5.13	0.63			
060172	ADK-303	3/8 SAE	9.63			7.50	3.13	3.50
058507	ADK-303S	5/8 ODF	8.94	8.13	0.44			
060173	ADK-304	1/2 SAE	9.81					
060176	ADK-304S	1/2 ODF	9.06	8.06	0.50			
060174	ADK-305	5/8 SAE	10.31					
060177	ADK-305S	5/8 ODF	9.25	8.00	0.63			
060178	ADK-307S	7/8 ODF	9.88	8.38	0.75			
060179	ADK-309S	1-1/8 ODF	10.19	8.38	0.94			
060182	ADK-413	3/8 SAE	9.75			7.63	3.69	4.75
060183	ADK-414	1/2 SAE	10.00					
060185	ADK-414S	1/2 ODF	9.19	8.19	0.50			
060184	ADK-415	5/8 SAE	10.44					
060186	ADK-415S	5/8 ODF	9.44	8.19	0.63			
060187	ADK-417S	7/8 ODF	10.00	8.50	0.75			
060188	ADK-419S	1-1/8 ODF	10.38	8.50	0.94			
060190	ADK-757S	7/8 ODF	15.50	14.94	0.75	13.13	3.69	7.75
060191	ADK-759S	1-1/8 ODF	15.88	14.17	0.94			

1 Does not include weld bead

Dimensional Data





ADK Capacity Tables

Description	Connection	Flow Capacity Tons @ 1 psi ΔP [1, 4] (For kW, multiply tons by 3.5)							Water Capacity [2] Drops of Water [3]													
									R-12	R-134a		R-22		R-407C		R-410A		R-404A/507		R-502	
		R-12	R-134a	R-22	R-410A	R-407C	R-404A/507	R-502	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
ADK 032	1/4 SAE	1.6	1.9	2.1	2.1	2.0	1.4	1.3	70	74	68	69	63	57	46	47	36	76	72	71	63
ADK 032S	1/4 ODF	1.9	2.3	2.5	2.5	2.4	1.7	1.6													
ADK 033	3/8 SAE	2.2	2.7	2.9	2.9	2.9	2.0	1.9													
ADK 033S	3/8 ODF	2.5	3.0	3.3	3.3	3.2	2.2	2.1													
ADK 052	1/4 SAE	1.6	2.0	2.2	2.2	2.1	1.4	1.4	185	195	180	180	130	150	120	125	95	200	190	185	165
ADK 052S	1/4 ODF	2.4	2.9	3.1	3.1	3.1	2.1	2.0													
ADK 053	3/8 SAE	3.0	3.7	4.0	4.0	3.9	2.7	2.6													
ADK 53S	3/8 ODF	3.7	4.5	4.9	4.9	4.8	3.3	3.2													
ADK 082	1/4 SAE	1.6	2.0	2.2	2.2	2.1	1.4	1.4	250	265	245	250	225	205	165	170	130	275	260	255	230
ADK 082S	1/4 ODF	2.5	3.1	3.4	3.4	3.3	2.2	2.2													
ADK 083	3/8 SAE	3.5	4.3	4.7	4.7	4.6	3.1	3.0													
ADK 083S	3/8 ODF	3.4	4.2	4.6	4.6	4.5	3.0	3.0													
ADK 084	1/2 SAE	5.5	6.7	7.3	7.3	7.1	4.9	4.7													
ADK 084S	1/2 ODF	5.7	7.0	7.6	7.6	7.4	5.1	4.9													
ADK 162	1/4 SAE	1.6	2.0	2.2	2.2	2.1	1.4	1.4	365	390	360	265	330	300	240	250	190	400	380	375	335
ADK 163	1/4 SAE	3.6	4.4	4.8	4.8	4.7	3.2	3.1													
ADK 163S	1/4 ODF	4.0	4.9	5.3	5.3	5.2	3.6	3.5													
ADK 164	1/2 SAE	6.8	8.3	9.0	9.0	8.8	6.0	5.8													
ADK 164S	1/2 ODF	7.1	8.6	9.3	9.3	9.1	6.2	6.1													
ADK 165	5/8 SAE	9.7	11.8	12.8	12.8	12.5	8.6	8.3													
ADK 165S	5/8 ODF	10.7	13.1	14.2	14.2	13.9	9.5	9.2													
ADK 167S	7/8 ODF	13.1	16.0	17.3	17.3	17.0	11.8	11.3													
ADK 303	3/8 SAE	3.9	4.7	5.1	5.1	5.0	3.4	3.3	820	865	800	810	740	675	540	555	420	895	845	835	745
ADK 304	1/2 SAE	7.1	8.6	9.3	9.3	9.1	6.2	6.1													
ADK 304S	1/2 ODF	7.2	8.8	9.5	9.5	9.4	6.4	6.2													
ADK 305	5/8 SAE	11.3	13.8	15.0	15.0	14.7	10.0	9.7													
ADK 305S	4/8 ODF	11.9	14.5	15.7	15.7	15.4	10.5	10.2													
ADK 306S	3/4 ODF	13.0	15.8	17.1	17.1	16.8	11.5	11.1													
ADK 307S	7/8 ODF	14.3	17.4	18.9	18.9	18.5	12.6	12.3													
ADK 309S	1 1/8 ODF	20.4	24.9	27.0	27.0	26.5	18.0	17.5													
ADK 413	3/8 SAE	3.9	4.7	5.1	5.1	5.0	3.4	3.3	1120	1210	1100	1140	1010	945	740	780	580	1260	1156	1170	1020
ADK 414	1/2 SAE	8.0	9.8	10.6	10.6	10.4	7.1	6.9													
ADK 414S	1/2 ODF	8.8	10.7	11.6	11.6	11.4	7.8	7.5													
ADK 415	5/8 SAE	12.8	15.6	16.9	16.9	16.6	11.3	11.0													
ADK 415S	5/8 ODF	13.5	16.5	17.9	17.9	17.5	12.0	11.6													
ADK 417S	7/8 ODF	16.6	20.3	22.0	22.0	21.7	14.7	14.3													
ADK 419S	1 1/8 ODF	20.7	25.2	27.3	27.3	26.8	18.3	17.7													
ADK 757S	7/8 ODF	28.0	34.2	37.1	37.1	36.3	24.8	24.1	1985	2100	1940	1956	1800	1635	1310	1350	1030	2170	2050	2025	1800
ADK 759S	1 1/8 ODF	30.6	37.3	40.4	40.4	39.6	27.0	26.3													

[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
4.4 lbs./min./ton for R-502
2.7 lbs./min./ton for R-410A

[2] Water Capacities are based on:
Equilibrium Point Dryness (EPD) of:
50 parts per million for R-134a, R404-A/507, R-410A and R-407C
60 parts per million for R-22
15 parts per million for R-12
30 parts per million for R-502

[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-12		R-134a		R-22		R-407C		R-410A		R-404A/507		R-502	
	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
03	2.4	2.2	2.2	2.0	2.2	2.0	2.1	1.9	2.0	1.7	1.9	1.7	2.2	2.0
05	5.9	6.0	5.5	5.5	5.4	5.4	5.2	5.0	4.8	4.5	4.7	4.5	5.5	5.4
08	8.0	7.4	7.4	6.7	7.3	6.6	7.0	6.2	6.5	5.5	6.4	5.5	7.5	6.6
16	14.5	12.5	13.4	11.4	13.2	11.2	12.6	10.4	11.7	9.4	11.6	9.3	13.5	11.2
30	21.8	19.9	20.1	18.1	19.8	17.8	18.9	16.6	17.4	14.9	17.4	14.7	20.2	17.7
41	29.3	26.8	26.9	24.4	26.6	23.9	25.4	22.3	23.7	20.0	23.3	19.7	27.2	23.8
75	52.8	48.3	48.6	43.9	48.0	43.1	45.8	40.2	42.8	36.0	42.1	35.6	49.1	43.0

BFK Liquid Line Bi-Directional Filter-Drier

The BFK is a solid core, bi-directional, liquid line filter-drier for heat pump applications for use with CFC, HCFC, and HFC refrigerants.

Features

- Available 5 to 30 cu. in. size
- Internal check valves allow flow and filtration in either direction, eliminates need for external check valves
- High moisture and acid removal capacity
- Corrosion resistant epoxy powder paint finish
- Copeland® brand products approved for POE oils

Nomenclature example: BFK 165S

BFK	16	5	S
Series	Unit Size (in cu. in.)	Connection Size (in 1/8")	S = ODF connections (omit for SAE)

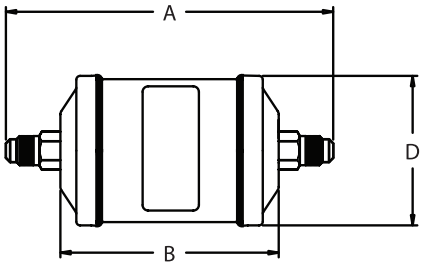
Specifications

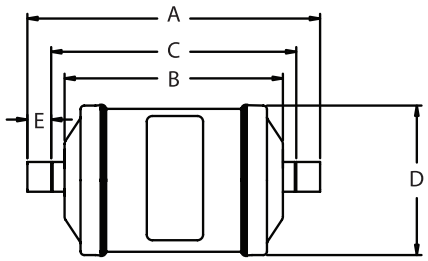
- Desiccant Blend: optimized for high water capacity and acid capacity
- Filtration: 40 microns
- Maximum working pressure: 680 psig
- UL/CUL file number: SA 3124

Ordering Information

PCN	Description	Connection Size	Dimensions (in)					Weight (lbs)
			A	B	C	D	E	
062300	BFK-052	1/4 SAE	4.82	3.00		2.62		1.00
062425	BFK-052S	1/4 ODF	4.44		3.69		0.38	
062254	BFK-053	3/8 SAE	5.13					
062255	BFK-053S	3/8 ODF	4.48		3.67		0.40	
058584	BFK-082S	1/4 ODF	5.27	3.82	4.52		0.38	
058597	BFK-0825S	5/16 ODF	5.02		4.38		0.32	
043321	BFK-083	3/8 SAE	5.94					
043323	BFK-083S	3/8 ODF	5.29		4.48		0.40	
043325	BFK-084	1/2 SAE	6.16					
043327	BFK-084S	1/2 ODF	5.38		4.38		0.50	
043728	BFK085	5/8 SAE	6.62					
043730	BFK-085S	5/8 ODF	5.60		4.35		0.63	
043330	BFK-163	3/8 SAE	6.74	4.61		3.15		2.00
043333	BFK-163S	3/8 ODF	6.08		5.28		0.40	
043335	BFK-164	1/2 SAE	6.96					
043337	BFK-164S	1/2 ODF	6.17		5.17		0.50	
043732	BFK-165	5/8 SAE	7.41					
043734	BFK-165S	5/8 ODF	6.39		5.14		0.63	
058589	BFK-167S	7/8 ODF	6.99	7.5	5.49	3.15	0.25	3.75
063076	BFK303	3/8 SAE	9.63					
063077	BFK-303S	3/8 ODF	8.97				0.40	
063078	BFK-304	1/2 SAE	9.84					
063079	BFK-304S	1/2 ODF	9.02				0.50	
063080	BFK-305	5/8 SAE	10.31					
063081	BFK-305S	5/8 ODF	9.31				0.63	
063082	BFK-306	3/4 SAE	10.61					
063083	BFK-306S	3/4 ODF	9.72					
063084	BFK-307S	7/8 ODF	9.91				0.75	
063451	BFK-309S	1 1/8 ODF	10.22				0.91	

Dimensional Data





BFK Capacity Tables

Description	Connection	Flow Capacity Tons @ 1 psi ΔP [1,4] (For kW, multiply tons by 3.5)			Water Capacity [2] Drops Of Water [3]					
					R-22		R-407C		R-410A	
		R-22	R-410A	R-407C	75°F	125°F	75°F	125°F	75°F	125°F
BFK-05 2	1/4 SAE	1.6	1.6	1.6	73	66	58	42	39	35
BFK-05 2S	1/4 ODF	2.2	2.2	2.2						
BFK-05 3S	3/8 ODF	4.0	4.0	3.9						
BFK-08 3	3/8 SAE	4.5	4.5	4.4	159	144	106	79	85	75
BFK-08 3S	3/8 ODF	5.1	5.1	5.0						
BFK-08 4	1/2 SAE	6.4	6.4	6.3						
BFK-08 4S	1/2 ODF	6.7	6.7	6.6						
BFK-08 5S	5/8 ODF	8.1	8.1	7.9						
BFK-16 3	3/8 SAE	4.6	4.6	4.5	323	294	237	179	178	160
BFK-16 3S	3/8 ODF	5.2	5.2	5.1						
BFK-16 4	1/2 SAE	7.7	7.7	7.6						
BFK-16 4S	1/2 ODF	8.1	8.1	7.9						
BFK-16 5	5/8 SAE	8.3	8.3	8.1						
BFK-16 5S	5/8 ODF	8.7	8.7	8.5						
BFK-30 3S	3/8 ODF	5.8	5.8	5.7	585	532	452	345	415	293
BFK-30 4	1/2 SAE	7.6	7.6	7.5						
BFK-30 4S	1/2 ODF	9.7	9.7	9.5						
BFK-30 5	5/8 SAE	10.3	10.3	10.1						
BFK-30 5S	5/8 ODF	14.2	14.2	13.9						
BFK-30 6S	3/4 ODF	16.0	16.0	15.7						
BFK-30 7S	7/8 ODF	16.7	16.7	16.4						

[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
4.4 lbs./min./ton for R-502
2.7 lbs./min./ton for R-410A

[2] Water Capacities are based on:
Equilibrium Point Dryness (EPD) of:
50 parts per million for R-134a, R404-A/507, R-410A and R-407C
60 parts per million for R-22
15 parts per million for R-12
30 parts per million for R-502

[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-22		R-407C		R-410A	
	75°F	125°F	75°F	125°F	75°F	125°F
05	4.6	4.2	4.4	3.9	4.1	3.5
08	7.7	6.9	7.3	6.4	6.9	5.8
16	14.2	12.7	13.5	11.8	12.6	10.6
30	21.0	18.7	20.0	17.4	19.6	16.5

BOK-HH Liquid Line Burnout Filter-Drier

The BOK-HH is a liquid line filter-drier for burnout clean-up and wax removal. The BOK-HH incorporates an activated carbon blended solid core for the effective clean-up of systems following a severe burnout.

Features

- Designed for maximum effectiveness in the clean-up of systems following a severe burnout
- Corrosion resistant epoxy powder paint finish
- Activated carbon blend for soluble contaminant and wax removal
- Solid copper connections

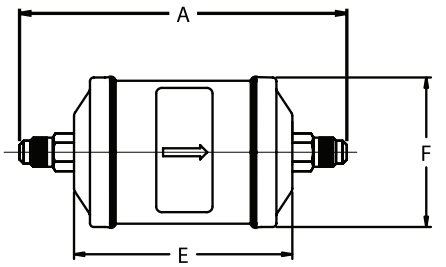
Specifications

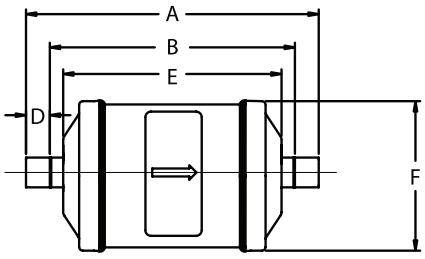
- Filtration: 40 microns
- Maximum working pressure: 680 psig
- UL/CUL file number: SA 3124

Nomenclature example: BOK 305S-HH

BOK	30	5	S	HH
Series	Unit Size (in cu. in.)	Connection Size (in 1/8")	S = ODF connections (omit for SAE)	Activated carbon Blend

Dimensional Data





Ordering Information

PCN	Description	Connection Size	Dimensions (in)					Weight (lbs)
			A	B	D	E	F[1]	
060223	BOK-082-HH	1/4 SAE	5.63	--	--	3.94	2.94	1.00
060224	BOK-083-HH	3/8 SAE	5.94	--	--			
060240	BOK-162-HH	1/4 SAE	6.44	--	--			
064592	BOK-162S-HH	1/4 ODF	6.03	5.29	0.38	4.63	3.13	
060241	BOK-163-HH	3/8 SAE	6.75	--	--	3.94	2.94	
060242	BOK-163S-HH	3/8 ODF	6.13	5.25	0.94	4.63	2.88	2.00
060228	BOK-164-HH	1/2 SAE	6.94	--	--			
060229	BOK-164S-HH	1/2 ODF	6.19	5.16	0.50			
060230	BOK-165-HH	5/8 SAE	7.44	--	--			
060231	BOK-165S-HH	5/8 ODF	6.38	5.13	0.63	7.50	3.06	3.75
060232	BOK-303-HH	3/8 SAE	9.63	--	--			
060233	BOK-304-HH	1/2 SAE	9.88	--	--			
060234	BOK-304S-HH	1/2 ODF	9.13	8.13	0.50			
060235	BOK-305-HH	5/8 SAE	10.31	--	--			
060236	BOK-305S-HH	5/8 ODF	9.31	8.06	0.63			
060237	BOK-414-HH	1/2 SAE	10.00	--	--	763	3.69	4.75
060238	BOK-415-HH	5/8 SAE	9.25	8.25	0.50			
060239	BOK-417S-HH	7/8 ODF	10.44	--	--			
064593	BOK-415S-HH	5/8 ODF	9.25	8.25	0.50			

[1] Does not include weld bead

Liquid Refrigerant Holding Capacity - Ounces

Unit Size	R-12		R-134a		R-22		R-407C		R-410A		R-404A/507		R-502	
	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
08	7.3	6.6	6.7	6.0	6.6	5.9	6.3	5.5	5.9	4.9	5.8	4.9	6.7	5.9
16	13.9	12.7	12.8	11.5	12.6	11.3	12.0	10.5	11.2	9.4	11.1	9.3	12.9	11.3
30	21.8	19.9	20.1	18.1	19.8	17.8	18.9	16.6	11.7	14.9	17.4	14.7	20.2	17.7
41	29.3	26.8	26.9	24.4	26.6	23.9	25.4	22.3	23.7	20.0	23.3	19.7	27.2	23.8

BOK-HH Capacity Tables

Description	Connections	Flow Capacity [1, 4] Tons @ 1 psi ΔP (For kW, multiply tons by 3.5)							Water Capacity [2] Drops Of Water [3]													
									R-12		R-134a		R-22		R-407C		R-410A		R-404A/R-507		R-502	
		R-12	R-134a	R-22	R-410A	R-407C	R-404A/R-507	R-502	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 08 2-HH	1/4 SAE	1.2	1.5	1.6	1.6	1.6	1.1	1.0	180	118	88	71	78	59	74	45	66	38	93	71	109	79
BOK 08 3-HH	3/8 SAE	3.2	3.9	4.2	4.2	4.1	2.8	2.7														
BOK 16 2-HH	1/4 SAE	1.2	1.5	1.6	1.6	1.6	1.1	1.0	209	143	171	141	153	117	91	56	77	41	182	141	135	100
BOK 16 3-HH	3/8 SAE	3.6	4.3	4.7	4.7	4.6	3.1	3.1														
BOK 16 3S-HH	3/8 ODF	4.8	5.8	6.3	6.3	6.2	4.2	4.1														
BOK 16 4-HH	1/4 SAE	7.0	8.6	9.3	9.3	9.1	6.2	6.0														
BOK 16 4S-HH	1/4 ODF	8.4	10.2	11.1	11.1	10.9	7.4	7.2														
BOK 16 5-HH	5/8 SAE	10.5	12.8	13.9	13.9	13.6	9.3	9.0														
BOK 16 5S-HH	5/8 ODF	10.5	12.8	13.9	13.9	13.6	9.3	9.0														
BOK 30 3-HH	3/8 SAE	3.6	4.3	4.7	4.7	4.6	3.1	3.1	552	367	300	245	267	204	234	146	160	94	318	247	342	249
BOK 30 4-HH	1/2 SAE	8.1	9.9	10.7	10.7	10.5	7.2	7.0														
BOK 30 4S-HH	1/2 ODF	8.9	10.8	11.7	11.7	11.5	7.8	7.6														
BOK 30 5-HH	5/8 SAE	11.1	13.5	14.6	14.6	14.3	9.8	9.5														
BOK 30 5S-HH	5/8 ODF	12.0	14.6	15.8	15.8	15.5	10.6	10.3														
BOK 41 4-HH	1/4 SAE	8.4	10.2	11.1	11.1	10.9	7.4	7.2	623	410	427	344	379	282	256	155	220	125	454	342	380	274
BOK 41 5-HH	5/8 SAE	13.4	16.3	17.7	17.7	17.4	11.8	11.5														
BOK 41 5S-HH	5/8 ODF	13.4	16.3	17.7	17.7	21.1	14.4	14.0														
BOK 41 7S-HH	7/8 ODF	16.3	19.8	21.5	21.5	21.1	14.4	14.0														

[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
4.4 lbs./min./ton for R-502
2.7 lbs./min./ton for R-410A

[2] Water Capacities are based on:
Equilibrium Point Dryness (EPD) of:
50 parts per million for R-134a, R404-A/507, R-410A and R-407C
60 parts per million for R-22
15 parts per million for R-12
30 parts per million for R-502

[3] 20 drops of water = 1 gram = 1 cc

[4] For 2 PSI ΔP, Multiply values by 1.4

ALF Liquid Filter

The ALF is a liquid line refrigerant filter for recovery, recycle and reclaim usage. The ALF is also used for protecting solenoid and expansion valve parts from debris.

Features

- Filtering media that maximizes removal of finer particles
- Corrosion resistant epoxy powder paint finish

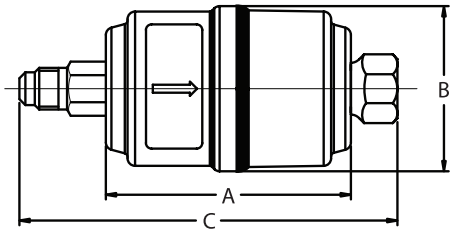
Nomenclature example: ALF 033S

ALF	03	3	S
Series	Unit Size	Connection Size Inlet (in 1/8")	Connection Style S = ODF Omit for SAE

Specifications

- Filtration: 40 microns
- Maximum working pressure: 680 psig
- UL/CUL file number: SA 3124

Dimensional Data



Recovery, Recycle and Reclaim Refrigerant Flow Capacity (lbs./min. liquid)		
R-134A	R-22/R-410A	R-404A/R-507
7.6	8.0	8.0

Ordering Information

PCN	Description	Dimensions (in)			
		Connection Size Inlet/Outlet	A	B[1]	C
058500	ALF-032	1/4 SAE	2.56	1.63	4.38
056618	ALF-032S	1/4 ODF			3.88
057193	ALF-032MF	1/4 SAE Male In			4.00
		1/4 SAE Female Out			
057140	ALF-033S	3/8 ODF			
056645	ALF-034S	1/2 ODF			4.13
064777	ALF-052	1/4 SAE	3.00	2.63	4.88
064778	ALF-052MF	1/4 SAE Male In			4.38
		1/4 SAE Female Out			

[1] Does not include weld bead

Spun Copper Liquid Line Filter-Drier

The CU series is a high capacity spun copper solid core filter-drier ideal for superior corrosion resistance in ocean going vessels and coastal applications.

Features

- All copper construction for extreme corrosion resistance
- 100% molecular sieve solid core drier
- For use with CFC, HCFC and HFC refrigerants

Nomenclature example: CU 163S

CU	16	3	S
Series	Unit Size	Connection Size (in 1/8")	ODF

Specifications

- Maximum working pressure: 500 psig
- Filtration: 40 microns
- UL/CUL file number: SA 7175

Ordering Information and Capacity Tables

PCN	Description	Connection	Flow Capacity Tons @ 1 psi ΔP[4] (For kW, multiply tons by 3.5)						Water Capacity[2] Drops of Water[3]											
									R-12		R-134a		R-22		R-407C		R-404A/R-507		R-502	
			R-12	R-134a	R-22	R-407C	R-404A/R-507	R-502	75°F	125°F	75°F	125°F	75°F	125°F	75°F	125°F	75°F	125°F	75°F	125°F
064388	CU 03 2 S	1/4 ODF	1.4	1.7	1.8	1.8	1.2	1.2	96	87	93	87	87	81	72	57	96	93	90	81
064389	CU 03 3 S	3/8 ODF	2.1	2.6	2.8	2.7	1.9	1.8												
064390	CU 05 2 S	1/4 ODF	1.5	1.8	2.0	2.0	1.3	1.3	112	101	108	101	101	93	82	63	112	108	104	93
064391	CU 05 3 S	3/8 ODF	2.1	2.6	2.8	2.7	1.9	1.8												
064392	CU 08 2 S	1/4 ODF	1.6	1.9	2.1	2.1	1.4	1.4	212	191	205	191	191	177	156	122	212	205	198	177
064393	CU 08 3 S	3/8 ODF	2.9	3.5	3.8	3.7	2.5	2.5												
064394	CU 08 4 S	1/2 ODF	3.5	4.2	4.6	4.5	3.1	3.0												
064395	CU 16 3 S	3/8 ODF	3.3	4.0	4.3	4.2	2.9	2.8	287	257	277	257	257	237	207	158	287	277	267	237
064396	CU 16 4 S	1/2 ODF	3.9	4.7	5.1	5.0	3.4	3.3												
064397	CU 16 5 S	5/8 ODF	4.4	5.4	5.8	5.7	3.9	3.8												

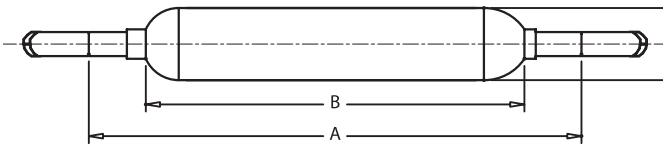
[1] All ratings in accordance with ARI Standard 710-04. 86°F liquid refrigerant temperature
5°F saturated vapor temperature
3.1 lbs./min./ton for R-134a
2.9 lbs./min./ton for R-22 and R-407C
4.0 lbs./min./ton for R-404A/507 and R-12
4.4 lbs./min./ton for R-502
2.7 lbs./min./ton for R-410A

[2] Water Capacities are based on:
Equilibrium Point Dryness (EPD) of:
50 parts per million for R-134a, R404-A/507, R-410A and R-407C
60 parts per million for R-22
15 parts per million for R-12
30 parts per million for R-502

[3] 20 drops of water = 1 gram = 1 cc

[4] For 2 PSI ΔP, Multiply values by 1.4

Dimensional Data (in)



Description	Overall Length (A)	Lay-In Dimension (B)	Diameter
CU 03	3.94	3.25	1.63
CU 05	5.19	4.50	1.63
CU 08	6.06	5.38	2.00
CU 16	6.63	6.00	2.00

STAS Steel Liquid and Suction Filter-Drier

The STAS is a replaceable core filter-drier for CFC, HCFC, and HFC refrigerants for use in large commercial air conditioning and refrigerant systems.

Features

- Slotted cover/unique internal hardware for hassle-free installation
- Full flow fittings for low pressure drop
- Corrosion resistant epoxy powder paint finish
- Sturdy steel shells for long life
- Solid copper connections
- 100 mesh outlet screen

Nomenclature example: STAS 489T

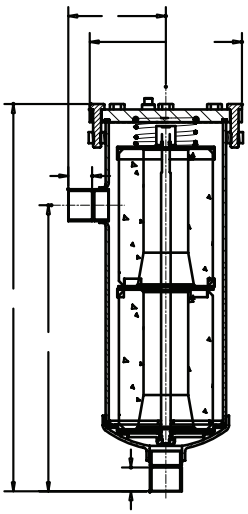
STAS	48	9	T
Steel Take-A-Part Series	Unit Size (in cu. in.)	Connection Size (in 1/8")	System Service T = Liquid Line Service SV = Suction Line Service

Specifications

- Filtration (with core): 40 microns
- Maximum working pressure: 500 psig T (Liquid Line) *except as noted below
- UL/CUL file number: SA7175

STAS Models are shipped without filter or filter-drier cores.
For available filter or filter-drier cores, see page 153.

Dimensional Data



Ordering Information

PCN	Description	Connection Size	Number Of 48 in³ Cores	Desiccant Volume (Cu. In.)	Dimensions (in)			
					A	B	C	D
053001	STAS-485T**	[1]5/8 ODF	1	48	9.94	6.00	3.78	0.63
053003	STAS-487T**	[1]7/8 ODF			9.69	6.25	3.75	0.78
053005	STAS-489T**	[1]1 1/8 ODF			9.75	6.31	3.84	0.94
053007	STAS-4811T**	[1]1 3/8 ODF			9.84	6.44	3.97	0.94
053043	STAS-4813S-V[1]	1 5/8 ODF			9.88	6.02	4.03	1.13
053044	STAS-4817S-V[1]	2 1/8 ODF			10.06	6.56	4.56	1.34
053045	STAS-4821S-V[1]	2 5/8 ODF			10.44	7.03	4.75	1.04
053375	STAS-4813T	1 5/8 ODF			9.88	6.50	4.03	1.13
053938	STAS-4811SV	1 3/8 ODF			9.84	6.44	3.97	0.94
053010	STAS-967T**	[1]7/8 ODF	2	96	15.19	11.72	3.75	0.78
053012	STAS-969T**	[1]1 1/8 ODF			15.22	11.78	3.84	0.94
053014	STAS-9611T**	[1]1 3/8 ODF			15.31	11.91	3.97	1.03
053017	STAS-9613T**	[1]1 5/8 ODF			15.38	11.97	4.03	1.13
053018	STAS-9617T**	[1]2 1/8 ODF			15.56	12.03	4.56	1.34
053047	STAS-9617S-V[1]	2 1/8 ODF			15.56	12.03	4.56	1.34
053048	STAS-9621S-V[1]	2 5/8 ODF			15.94	12.50	4.75	1.50
059739	A-TD-9625S-V[1]	3 1/8 ODF			15.69	10.31	4.63	1.75
053020	STAS-1449T	1 1/8 ODF	3	144	21.25	17.38	3.84	0.94
053022	STAS-14411T	1 3/8 ODF			21.34	17.53	3.97	1.03
053024	STAS-14413T	1 5/8 ODF			21.38	17.59	4.03	1.13
053025	STAS-14417T	2 1/8 ODF			21.56	17.63	4.56	1.34
053028	STAS-19211T	1 3/8 ODF	4	192	26.91	23.00	3.97	1.03
053030	STAS-19213T	1 5/8 ODF			26.94	23.17	4.03	1.13
053031	STAS-19217T	2 1/8 ODF			27.13	23.13	4.56	1.34
056213	STAS-1927/5T	7/8 X 5/8			26.50	6.00	3.69	7/8 x 5/8

** 680 psig maximum working pressure

[1] "SV" style include stainless steel bolts and access valve.

NOTE: "T" style can be used for suction by removing pipe plug and installing X-11562-2.

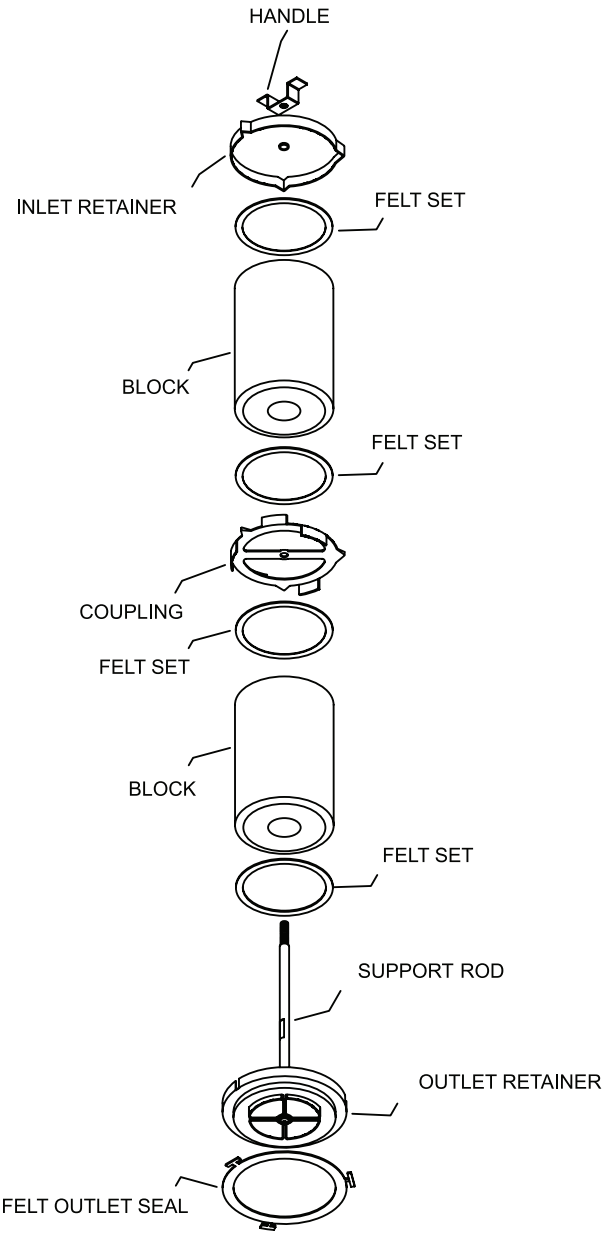
Description	Connections	Liquid Flow Capacity Tons @ psi ΔP [1, 2, 3]					
		R-12	R-134a	R-22	R-407C	R-404A/507	R-502
STAS-485T	5/8 ODF	15	19	21	20	14	13
STAS-487T	7/8 ODF	28	35	38	37	25	24
STAS-489T	1 1/8 ODF	40	48	53	51	35	34
STAS-4811T	1 3/8 ODF	46	56	61	59	40	39
STAS-4813T	1 5/8 ODF	64	78	85	83	56	55
STAS-967T	7/8 ODF	31	37	41	40	27	26
STAS-969T	1 1/8 ODF	47	58	63	61	42	40
STAS-9611T	1 3/8 ODF	59	72	79	77	52	51
STAS-9613T	1 5/8 ODF	64	78	85	83	56	55
STAS-1449T	1 1/8 ODF	46	56	61	59	40	39
STAS-14411T	1 3/8 ODF	66	81	88	86	58	57
STAS-14413T	1 5/8 ODF	73	89	97	95	64	63
STAS-14417T	2 1/8 ODF	84	103	112	109	74	72
STAS-19211T	1 3/8 ODF	71	86	94	92	62	61
STAS-19213T	1 5/8 ODF	77	95	103	101	68	66
STAS-19217T	2 1/8 ODF	87	106	115	112	76	74

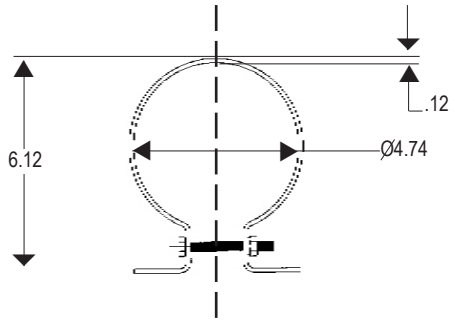
[1] All ratings in accordance with ARI Standard 710-04. 86°F liquid refrigerant temperature
5°F saturated vapor temperature
3.1 lbs./min./ton for R-134a
2.9 lbs./min./ton for R-22 and R-407C
4.0 lbs./min./ton for R-404A/507 and R-12
4.4 lbs./min./ton for R-502
[2] For 2 PSI ΔP, Multiply values by 1.4
[3] For kW, multiply by 3.5

Replacement Parts For STAS

Flange Cover Assembly	Description	PCN
All STAS Driers - Include Flange Cover, Compression Spring, Pipe Plug, and Grade 5 Bolts	X12176-3	054046
Shell Strainer Assembly		
STAS-48	X27458-1	060274
STAS-96	X27458-2	060275
STAS-144	X27458-3	060276
STAS-192	X27458-4	060277
Miscellaneous Parts		
Cover Bolts (Stainless Steel - suction line service)	X25787-7	053121
Access Valve (V Option)	X11562-2	037409
Cover Gasket (Includes felt set)	X11983-1	027453
Handle	26446-1	053812
Inlet Retainer	26477-1	053813
Spring	26439-1	060258
Felt Set (3 block set)	27394-1	060278
Gasket Set	X11983-2	027454
Mounting Bracket	X28747-1	061715

STAS Exploded View





Mounting Backet for STAS 48*

*More than one mounting bracket may be required for shell sizes 96 and above.

ADKS Liquid and Suction Line Filter-Drier

The ADKS is a replaceable core filter-drier for use with CFC, HCFC, and HFC refrigerants in very large commercial air conditioning and refrigerant systems.

Features

- Full flow fittings for low pressure drop
- Corrosion resistant epoxy powder paint finish
- Sturdy steel shells for long life durability

Nomenclature example: ADKS 30013T

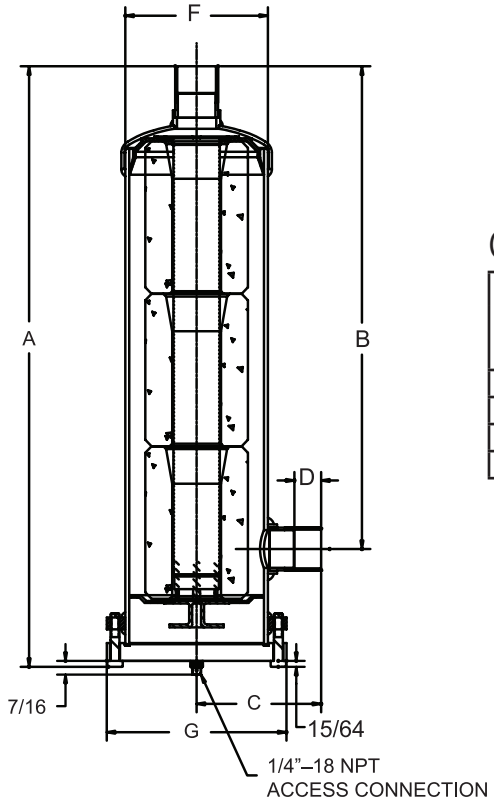
ADKS	300	13	T
System Protector Series	Unit Size (in cu. in.)	Connection Size (in 1/8")	T = Tap Access Connection

Specifications

- Filtration (with core): 40 microns
- Maximum working pressure: 500 psig*
- UL/CUL file number: SA 3124
- Bolt Torque: 25 ft-lbs

*Note: Not suitable for R-410A applications above 500 psig.

Dimensional Data



Ordering Information

PCN	Description	Connection Size	Number Of 100 in³ Cores	Dimensions (in)								Weight (lbs)
				A	B	C	D	E	F*	G	H [1]	
026570	ADKS-30013T	1 5/8 ODF	3	25.50	19.47	4.19	1.13	23.19	6.00	7.56	22.25	39.00
037978	ADKS-30017T	2 1/8 ODF		25.59	19.00	3.78	1.69					
032105	ADKS-40017T	2 1/8 ODF	4	32.09	25.50	3.78	1.66	29.97			28.88	46.00
037570	ADKS-40021T	2 5/8 ODF		33.13	26.72	4.81	1.47					

* Does not include weld bead

[1] "H" Dimension is the clearance required to change the internal hardware assembly

T = 1/4" FPT access connection

ADKS Models are shipped without filter cores or filter-drier cores. For available filter or filter-drier cores, see page 153.

ADKS Capacity Tables (in Tons)

Liquid Line for Replaceable Block Type ADKS Filter-Driers

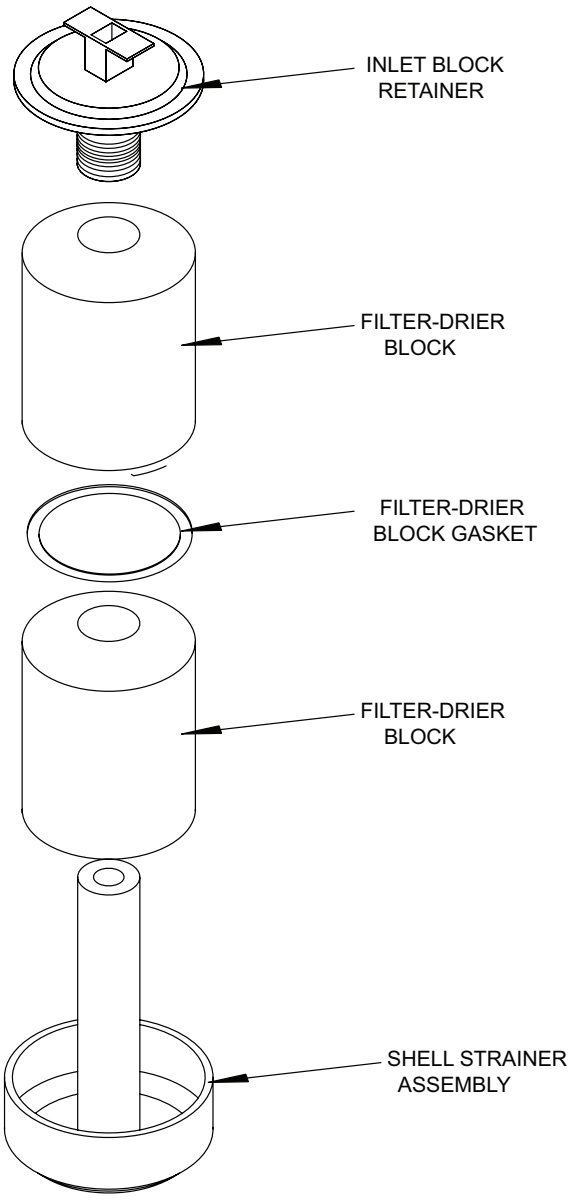
Description	Connection	Flow Capacity In Tons @ 1 psi ΔP [1, 2]					
		R-12	R-134a	R-22	R-407C	R-404/507	R-502
ADKS 30013T	1 5/8 ODF	57	70	76	74	50	49
ADKS 30017T	2 1/8 ODF	69	84	92	90	61	59
ADKS 40017T	2 1/8 ODF	73	89	97	95	64	63
ADKS 40021T	2 5/8 ODF	83	101	110	107	73	71

[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
4.4 lbs./min./ton for R-502
[2] For 2 PSI ΔP. Multipy values by 1.4

Replacement Parts For ADKS

Flange Cover	Description	PCN
ADKS-300, ADKS-400	X12176-2	027467
Shell Strainer Assembly	**Description**	**PCN**
ADKS-300	X10574-5	039967
ADKS-400	X10574-6	038315

ADKS Exploded View



Filter-Drier Cores and Filters

Universal replacement cores and filter cores for use in our ADKS & STAS shells and similar competitive take-a-part type filter-drier shells. May not be used for BTAS.

Features

- Water capacities to suit specific system conditions
- Exceptional acid capacities for normal system protection, or to effectively clean-up following a compressor burnout
- Activated carbon blend for soluble contaminant and wax removal (W-HH Series)

Nomenclature

example: H 48

H	48
Series	Cubic Inch

Specifications

- Interchangeable with competitive products

NOTE: Filter-drier cores are suitable for use with R-11 AND R-123 but filters are NOT.

Ordering Information and Capacity Tables

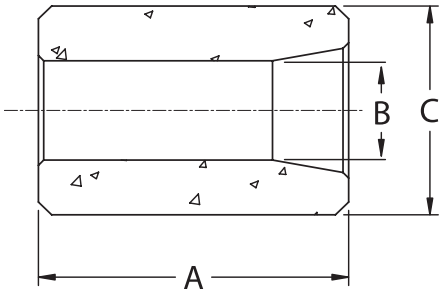
PCN	Description[3]	Recommended Refrigerant Type	Function	Water Capacity[1] Drops of Water[2]											
				R-12		R-134a		R-22		R-407C		R-404A/R-507		R-502	
				75°F	125°F	75°F	125°F	75°F	125°F	75°F	125°F	75°F	125°F	75°F	125°F
056662	D-42	CFC, HCFC	High Acid Removal	782	515	493	384	432	303	320	196	528	378	473	339
056661	H-42	CFC, HCFC	High Acid and Water Removal	933	681	686	576	617	491	478	333	724	587	656	519
056835	W-42-HH	ALL	Burnout Cleanup	612	388	333	253	288	195	231	132	359	248	354	245
059541	D-48	CFC, HCFC	High Acid Removal	810	453	415	340	363	254	225	95	457	343	388	225
059542	H-48	CFC, HCFC	High Acid and Water Removal	1020	688	676	538	597	436	445	285	721	535	643	475
061235	W-48-HH	CFC, HCFC, HFC	Burnout Cleanup	772	488	387	294	335	226	290	165	417	289	444	306
061617	UK-48	CFC, HCFC, HFC	Universal Replacement	1579	1319	1272	1168	1181	1072	1033	786	1319	1241	1332	1150
089338	H-100	CFC, HCFC	High Acid and Water Removal	1958	1225	1112	834	962	673	726	418	1199	839	1109	758
062424	UK-100	CFC, HCFC, HFC	Universal Replacement	3204	2740	2769	2550	2574	2345	2182	1682	2868	2710	2787	2437
043582	W-100-HH	CFC, HCFC, HFC	Burnout Cleanup	1668	1054	1077	812	938	621	629	363	1162	792	960	663
089559	F-48	CFC, HCFC, HFC	Filter (Suction Only)	N/A											
047664	F-48R	CFC, HCFC, HFC	Filter (Suction Only) Reverse Flow												
095762	F-100	CFC, HCFC, HFC	Filter (Suction Only))												
061237	RH-48	CFC, HCFC	Removal	1020	688	676	538	597	436	445	285	721	535	643	475
061238	RW-48	CFC, HCFC	Cleanup	772	488	387	294	335	226	290	165	417	289	444	306

[1] Water Capacities are based on:
Equilibrium Point Dryness (EPD) of:
50 parts per million for R-134a, R404-A/R-410A and R-407C
60 parts per million for R-22
15 parts per million for R-12
30 parts per million for R-502

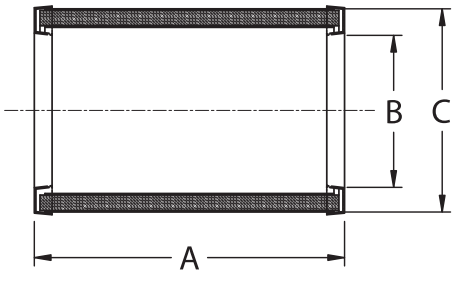
[2] 20 drops of water = 1 gram = 1 cc

[3] D-42, H-42 and W-42 include one neoprene composite lid gasket and one core gasket. All other cores include a universal neoprene composite gasket kit which includes 2 sizes of replacement lid gaskets, and gaskets for the top and bottom of the core or filter.

Dimensional Data



Filter-Drier Block Size	Dimensions			Weight (lbs)
	A	B	C	
42	6.00	1.58	3.12	1.00
48	5.50	1.77	3.72	1.50
100	6.50	2.06	4.81	4.00



Catalog Number	Dimensions			Weight (lbs)
	A	B	C	
F-48/F-48R	5.50	2.81	3.88	0.75
F-100	6.50	3.75	4.81	1.50

BTAS Brass Take-Apart Suction Line Filter-Drier

The BTAS is a suction line, replaceable core filter-drier for suction line services ideal for commercial refrigeration applications.

Features

- Full flow fittings for low pressure drop
- Corrosion resistant brass body with stainless steel bolts
- Special cartridge design exclusive to brass shell

Nomenclature

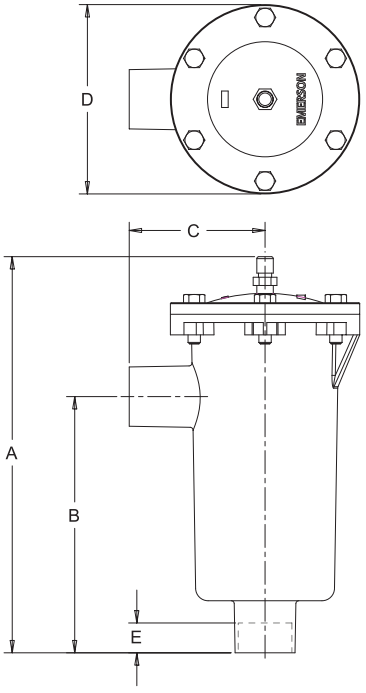
example: BTAS 311SV

BTAS	3	11	SV
Brass Take-A-Part Series	Unit Size	Connection Size (in 1/8")	Suction Line Service

Specifications

- Filtration: 40 microns
- Maximum working pressure: 400 psig
- UL/CUL file number: SA 3124

Dimensional Data



Ordering Information

PCN	Description	Connection Size	Nominal Shell Size (in)	Dimensions (in)					Weight (lbs)
				A	B	C	D	E	
049462	BTAS-27 S-V	7/8 ODF	2	9.75	6.57	2.19	3.75	0.75	6.75
049465	BTAS-39 S-V	1 1/8 ODF	3	10.31	6.81	3.31	4.63	0.91	10.25
049466	BTAS-311 S-V	1 3/8 ODF		11.06	6.94	3.44		0.97	10.50
049467	BTAS-313 S-V	1 5/8 ODF		11.25	7.13	3.63		1.09	11.00
049468	BTAS-317 S-V	2 1/8 ODF		11.50	7.38	3.88		1.34	11.20
064169	BTAS-411 S-V	1 3/8 ODF	4	11.41	7.81	4.13	5.75	0.78	16.20
049470	BTAS-413 S-V	1 5/8 ODF		12.03	7.81	4.13		1.09	16.75
049471	BTAS-417 S-V	2 1/8 ODF		12.28	8.06	4.13		1.34	17.20
049472	BTAS-421 S-V	2 5/8 ODF		12.41	8.19	4.94		1.47	18.00
049473	BTAS-517 S-V	2 1/8 ODF	5	13.44	8.41	4.19	7.09	1.34	28.75
049474	BTAS-521 S-V	2 5/8 ODF		13.56	8.47	4.94		1.47	29.00
049475	BTAS-525 S-V	3 1/8 ODF		13.25	8.16	4.63		1.66	29.25

Type A-F Replaceable Filter Cartridges

PCN	Filter Core	For Shell No.	Core O.D.	Core Length	Filter Area (Sq. In.)	Weight (lbs)
049479	A2F	BTAS-2	1 29/32	6 3/8	66	0.33
049480	A3F	BTAS-3	2 3/4	6 7/8	115	0.50
049481	A4F	BTAS-4	3 3/4	7 1/2	189	0.88
049482	A5F	BTAS-5	4 5/16	8 1/2	270	1.00

Type A-F-D Replaceable Filter-Drier Cartridges

PCN	Filter-Drier Cartridge	For Shell No.	Cartridge O.D.	Cartridge Length	Desiccant Volume (Cu. In.)	Weight (lbs)
049483	A2F-D	BTAS-2	1 29/32	6 3/8	4.2	0.50
049484	A3F-D	BTAS-3	2 3/4	6 7/8	13.3	0.88
049485	A4F-D	BTAS-4	3 3/4	7 1/2	26.0	1.20
049486	A5F-D	BTAS-5	4 5/16	8 1/2	36.5	1.20

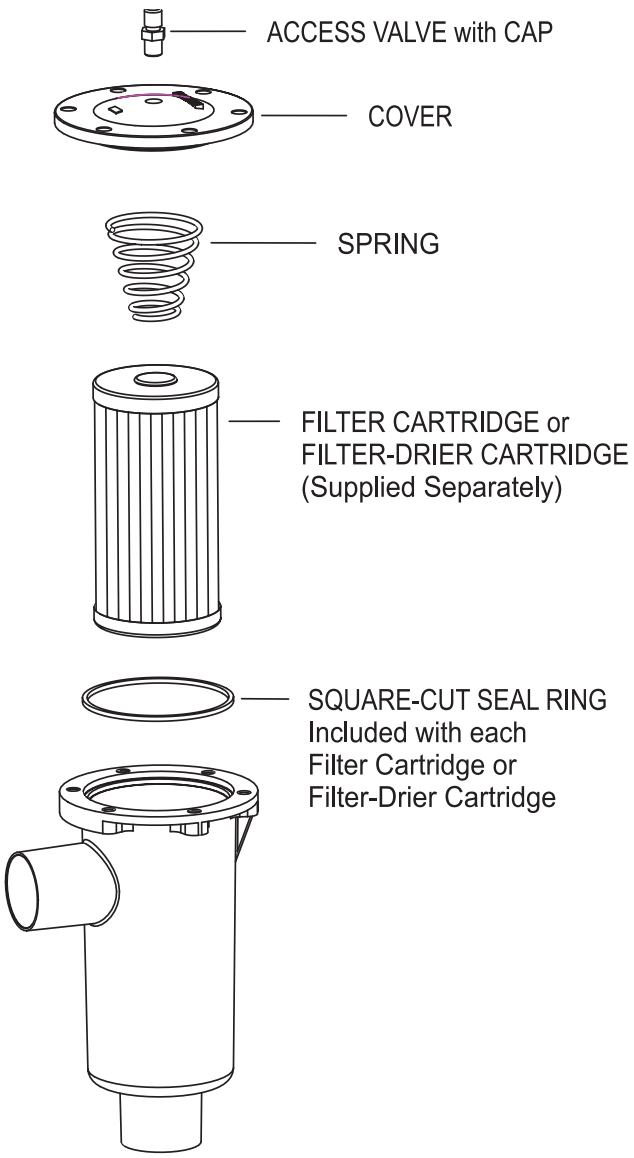
Replacement Parts For BTAS

Misc. Parts	Description	PCN
Access Valve	X11562-2	037409
BTAS 2 Repair Kit	KD-30519-2	065970
BTAS 3 Repair Kit	KD-30519-3	065971
BTAS 4 Repair Kit	KD-30519-4	065972
BTAS 5 Repair Kit	KD-30519-5	065973

Cross Reference

New		Brass Shell Series	Obsolete	
New Kit	New PCN		Old Kit	Old PCN
KD-30519-2	065970	BTAS 2	X-25787-5 X-25787-1 X-11562-2 PS-23380-2	049744 054043 037409 053580
KD-30519-3	065971	BTAS 3	X-25787-5 X-25787-2 X-11562-2 PS-23380-3	049744 054042 037409 053581
KD-30519-4	065972	BTAS 4	X-25787-5 X-25787-3 X-11562-2 PS-23380-4	049744 054041 037409 053582
KD-30519-5	065973	BTAS 5	X-25787-5 X-25787-4 X-11562-2 PS-23380-5	049744 054040 037409 053583

Exploded View



BTAS models are shipped without filter cartridge or filter-drier cartridge.

ASD Premium Suction Line Filter-Drier

The ASD is a premium suction line filter-drier for use with CFC, HCFC and HFC refrigerants. The ASD is optimized for high moisture, acid, and solid contaminant removal.

Features

- Outstanding filtration for ultimate compressor protection
- Dual access valves for easy pressure readings
- Solid copper connections
- Corrosion resistant epoxy powder paint finish

Specifications

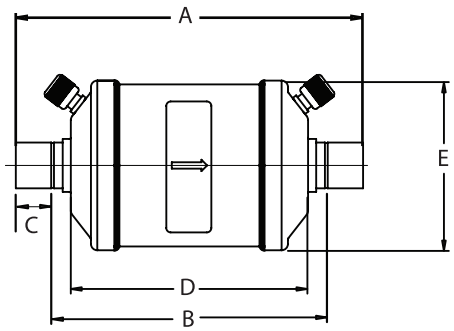
- Filtration: 40 microns
- Maximum working pressure: 500 psig
- UL/CUL file number: SA 3124

Nomenclature

example: ASD 35S5VV

ASD	35	S	5	VV
Series	Unit Size (in cu. in.)	Connections S = ODF F = SAE	Connection Size (in 1/8")	Dual Access Valves

Dimensional Data



Ordering Information

PCN	Description	Connection Size	Dimensions (in)					Weight (lbs)
			A	B	C	D	E	
056352	ASD 28F3	3/8 SAE	5.59	--	.044	4.13	3.69	2.00
049168	ASD 28S3-W	3/8 ODF	5.59	4.72	0.44	4.13		
049169	ASD 28S4-W	1/2 ODF	5.69	4.69	0.50			
049170	ASD 35F5-W	5/8 SAE	7.56	--	--	4.75		2.50
049171	ASD 35S5-W	5/8 ODF	6.22	5.28	0.63			
049172	ASD 45S6-W	3/4 ODF	7.75	6.50	0.63	5.56		3.00
049173	ASD 45S7-W	7/8 ODF	7.94	6.44	0.75			
049174	ASD 50S9-W	1 1/8 ODF	8.84	7.03	0.91	6.13		3.50
049175	ASD 75S11-W	1 3/8 ODF	12.25	10.31	0.97	8.25		5.00
049176	ASD 75S13-W	1 5/8 ODF	12.16	9.91	1.13			

SFD Suction Line Filter-Drier

The SFD is a standard suction line filter-drier for use after a burnout or when major work has been performed. It is for use with CFC, HCFC and HFC refrigerants.

Features

- Solid copper connections
- Dual access valves for easy pressure readings
- Corrosion resistant epoxy powder paint finish

Nomenclature

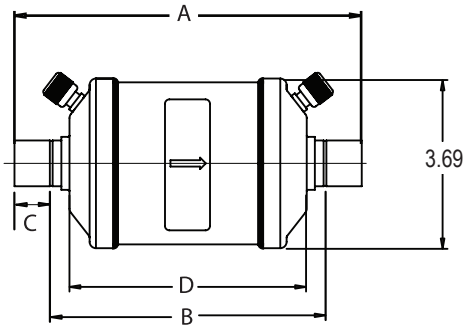
example: SFD 13S5-VV

SFD	13	S	5	VV
Series	Unit Size (in cu. in.)	Connections S = ODF F = SAE	Connection Size (in 1/8")	Dual Access Valves

Specifications

- Filtration: 40 microns
- Maximum working pressure: 500 psig
- UL/CUL file number: SA 3124

Dimensional Data



Ordering Information

PCN	Description	Connection Size	Dimensions (in)				Weight (lbs)
			A	B	C	D	
064042	SFD 08F3-W	3/8 SAE		3.38	5.50	3.13	2.00
064044	SFD 08S3-W	3/8 ODF	5.31		6.19		
064043	SFD 08F4-W	1/2 SAE			5.75		
064045	SFD 08S4-W	1/2 ODF	3.94		5.00		
064046	SFD 08S5-W	5/8 ODF	3.91		5.16		
064047	SFD 08S6-W	3/4 ODF	4.31		5.56		
060244	SFD 13F3-W	3/8 SAE			5.50	3.69	
060245	SFD 13S3-W	3/8 ODF	3.97		4.84		
060246	SFD 13S4-W	1/2 ODF			5.75		
060247	SFD 13F4-W	1/2 SAE	3.94		4.94		
060248	SFD 13F5-W	5/8 SAE			6.13		
050249	SFD 13S5-W	5/8 ODF	3.91		5.16		
060250	SFD 13S6-W	3/4 ODF	4.00		5.25		
060262	SFD 13S7-W	7/8 ODF	4.25		5.75		
056505	SFD 27S6-W	3/4 ODF	5.75	5.13	7.00		3.00
060251	SFD 27S7-W	7/8 ODF	6.00		7.50		
060252	SFD 27S9-W	1 1/8 ODF	5.81		7.63		
060253	SFD 54S11-W	1 3/8 ODF	10.31	12.16	12.25		4.50
060254	SFD 54S13-W	1 5/8 ODF	9.91		12.16		

CSFD Compact Suction Line Filter-Drier

The CSFD has a compact solid desiccant core perfect for short lay-in applications. The CSFD is used for moisture, acid and solid contaminant removal. It is for use with CFC, HCFC and HFC refrigerants.

Features

- Dual access valves for easy pressure readings
- High acid removal capacity
- Solid copper fittings for easiest brazing
- Corrosion resistant epoxy powder paint finish

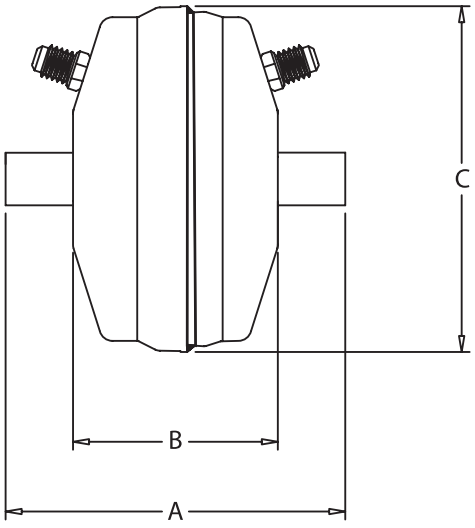
Nomenclature example: CSFD 14S4-VV

CSFD	14	S	4	VV
Series	Unit Size	Connections S = ODF	Connection Size (in 1/8")	Dual Access Valves

Specifications

- Filtration: 40 microns
- Maximum working pressure: 500 psig**
- UL/CUL file number: SA 3124

Dimensional Data



Ordering Information

PCN	Description	Connection Size	Dimensions (in)		
			A	B	C
062231	CSFD-14S4-W	1/2 ODF	4.25	2.75	4.63
062232	CSFD-14S5-W	5/8 ODF	4.50		
062233	CSFD-14S6-W	3/4 ODF	4.38		
062234	CSFD-14S7-W	7/8 ODF	4.56		
062235	CSFD-14S9-W**	1 1/8 ODF	4.88		

** 400 psig Maximum Working Pressure

ASK-HH Suction Line Filter-Drier

The ASK utilizes a solid core with an activated carbon blend to maximize acid, moisture and wax removal. It is for use with CFC, HCFC and HFC refrigerants.

Features

- Dual access valves for easy pressure readings
- Corrosion resistant epoxy powder paint finish
- Activated carbon blend for soluble contaminant and wax
- Solid copper connections

Specifications

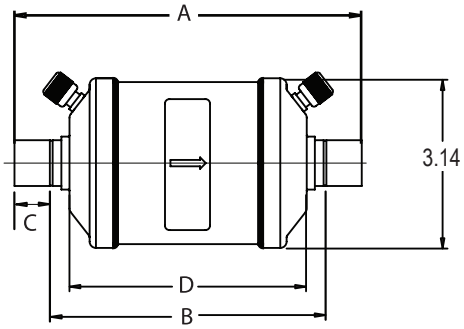
- Filtration: 40 microns
- Maximum working pressure: 500 psig
- UL/CUL file number: SA 3124

Nomenclature

example: ASK 165S-VV-HH

ASK	16	5	S	VV	HH
Series	Unit Size (in cu. in.)	Connection Size (in 1/8")	Connection S = ODF	Dual Access Valves	Charcoal Blend

Dimensional Data



Ordering Information

PCN	Description	Connection Size	Dimensions (in)				Weight (lbs)
			A	B	C	D	
056508	ASK 165S-W-HH	5/8 ODF	6.38	5.13	0.63	4.63	2.00
056509	ASK 166S-W-HH	3/4 ODF	6.75	5.50	0.38		
056510	ASK 167S-W-HH	7/8 ODF	6.94	5.26	0.75		
056511	ASK 306S-W-HH	3/4 ODF	9.69	8.56	0.63	7.50	3.75
056512	ASK 307S-W-HH	7/8 ODF	9.88	8.38	0.75		
056513	ASK 309S-W-HH	1 1/8 ODF	10.19	8.38	0.94		

[1] Dimension does not include weld bead

ASF Suction Line Filter

The ASF is a specifically designed filter to protect the compressor from dirt and all solid contaminants.

Features

- Dual access valves for easy pressure readings
- Solid copper connections
- Corrosion resistant epoxy powder paint finish

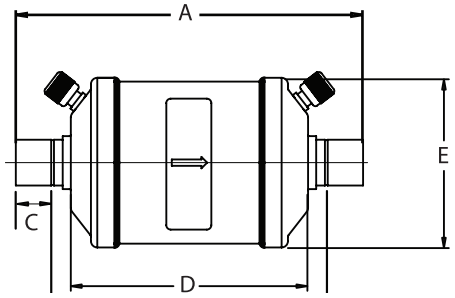
Nomenclature example: ASF 35S5-VV

ASF	35	S	5	VV
Series	Unit Size (in cu. in.)	Connections S = ODF F = SAE	Connection Size (in 1/8")	Dual Access Valves

Specifications

- Filtration: 40 microns
- Maximum working pressure: 500 psig**
- UL/CUL file number: SA 3124

Dimensional Data



Ordering Information

PCN	Description	Connection Size	Dimensions					Weight (lbs)
			A	B	C	D	E*	
062961	ASF 11S4	1/2 ODF	4.38	3.38	0.50	2.88	2.63	1.50
062962	ASF 11S5	5/8 ODF	4.63	3.38	0.63	2.88	2.63	1.50
062963	ASF 28S7	7/8 ODF	6.50	5.00	0.75	4.13	2.63	2.00
062964	ASF 28S0	1 1/8 ODF	7.41	5.61	0.91	4.13	2.63	2.00
049177	ASF 28S3-VV	3/8 ODF	5.59	4.72	0.44	4.13	2.63	2.00
049178	ASF 28S4-VV	1/2 ODF	5.69	4.69	0.50	4.13	2.63	2.00
049179	ASF 35FS-VV	5/8 SAE	7.56	–	–	4.75	3.69	2.50
049180	ASF 35S5-VV	5/8 ODF	6.53	5.28	0.63	4.75	3.69	2.50
059999	ASF 45F3-VV	3/8 SAE	7.69	–	–	5.56	3.69	3.00
049181	ASF 45S6-VV	3/4 ODF	7.75	6.50	0.63	5.56	3.69	3.00
049182	ASF 45S7-VV	7/8 ODF	7.94	6.44	0.75	5.56	3.69	3.00
049183	ASF 50S9-VV	1 1/8 ODF	8.84	7.03	0.91	6.13	5.00	3.50
063113	ASF 64S17-V	2 1/8 ODF	11.75	9.06	1.31	7.63	5.00	3.50
063115	ASF 64S21-V	2 5/8 ODF	13.00	10.00	1.50	7.88	5.00	3.50
049184	ASF 75S11-VV	1 3/8 ODF	12.25	10.31	0.97	8.25	5.00	5.00
049185	ASF 75S13-VV	1 5/8 ODF	12.16	9.91	1.13	8.25	5.00	5.00

* Dimension does not include weld bead

APD Pulsation Dampener/Muffler

The APD series is designed to reduce noise and vibration on the compressor discharge lines.

Features

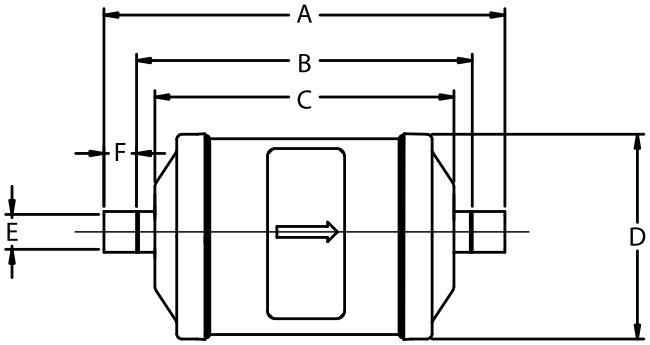
- Compact size
- Full flow fittings
- Solid copper connections
- Corrosion resistant epoxy powder paint finish
- Rugged steel shells for vibration resistance
- Shock resistant steel shell construction

Nomenclature

example: APD 053 SB

APD	05	3	S	B
Pulsation Dampener	Cubic Inches	Fitting Size in 1/8"	ODF Fittings	With Baffles (omit for standard)

Dimensional Data



Specifications

- Maximum working pressure: 680 psig
- Operating Range: -40°F to +250°F
- UL/CUL file number: SA 5760

Flow Capacity

Fitting Size	Tons
1/4	1-5
3/8	5-10
1/2	10-20
5/8	15-25
7/8	25-35
1 1/8	35+

Ordering Information

PCN	Description	Dimensions (in)					
		A	B	C	D	E	F
061862	APD 1R	6.00	5.00	4.47	3.02	0.50	0.50
049651	APD 054 S-B	4.56	3.56	3.00	2.63		
059144	APD 163 S	6.25	5.38	4.75		0.38	0.38
049623	APD 163 S-B						
060119	APD 165 S-B	6.56	5.31			0.63	0.63
056989	APD 309 S	10.25	8.44	7.50	3.13	1.13	.88

HMI - Hermetic Moisture Indicators

The HMI is designed to provide an accurate method of determining the moisture content of a system's refrigerant. The HMI has a unique high accuracy moisture indicator for CFC, HCFC, and HFC refrigerants.

Features

- Highest sensitivity moisture indicator available
- Hermetic, leak-free construction
- Single indicator for all common refrigerants
- Accurate color calibration at low ppm levels and higher temperatures
- Wide angle viewing/high visibility window for ease of monitoring
- All brass corrosion resistant body for fewer leaks
- Solid copper connections

Specifications

- Maximum working pressure: 680 psig
- UL/CUL file number: SA 4876

Nomenclature example: HMI 1TT4

HMI	1	TT	4
Hermetic Moisture Indicator	Series	Connection Style TT = Sweat x Sweat	Connection Size (in 1/8")

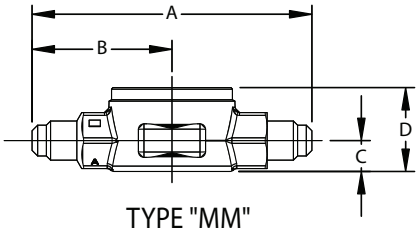
Ordering Information

PCN	Description	Series	Connection Size
065391	HMI-1MM2	Male Flare x Male Flare	1/4
065392	HMI-1MM3		3/8
065393	HMI-1MM4		1/2
065394	HMI-1MM5		5/8
065395	HMI-1MM6		3/4
065405	HMI1-1TT2	Sweat x Sweat (ODF)	1/4
065406	HMI1-1TT3		3/8
065407	HMI1-1TT4		1/2
065408	HMI1-1TT5		5/8
065409	HMI1-1TT6		3/4
065410	HMI1-1TT7		7/8
065411	HMI1-1TT9		1 1/8
065396	HMI-1FM2	Female Flare x Male Flare	1/4
065397	HMI-1FM3		3/8
065398	HMI-1FM4		1/2
065399	HMI-1MU2	Male Flare x Female Flare Swivel Nut	1/4
065400	HMI-1MU3		3/8
065401	HMI-1MU4		1/2
065402	HMI-1MU5		5/8
065403	HMI-1FU3	Female Flare x Female Flare Swivel Nut	3/8
065404	HMI-1FU4		1/2
065412	HMI-1UU3	Swivel Nut x Swivel Nut	3/8
065413	HMI-1UU4		1/2
065414	HMI-1UU5		5/8
065622	HMI-1TT2MF	Sweat x Sweat (ODM x ODF)	1/4
065814	HMI-1TT3MF		3/8
065979	HMI-1TT4MF		1/2
065980	HMI-1TT5MF		5/8

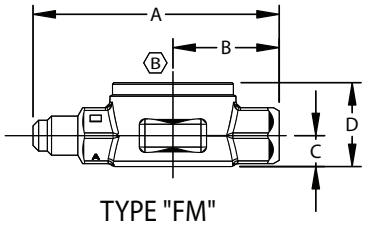
Moisture Content Color Code (ppm H_2O)

Indication Liquid Temperature	Dry (Dark Blue)			Caution (Purple)			Wet (Salmon)		
	75°F	100°F	125°F	75°F	100°F	125°F	75°F	100°F	125°F
R-12	1.4	2.5	4	5	9	15	25	43	70
R-134A	20	35	60	35	55	85	130	160	190
R-22	25	35	50	40	65	90	145	205	290
R-407C	26	40	64	42	68	109	150	230	370
R-410A	30	55	75	50	85	120	165	290	420
R-404A/507	15	25	45	33	50	80	120	150	180
R-502	2.6	5	8	10	18	30	50	90	150

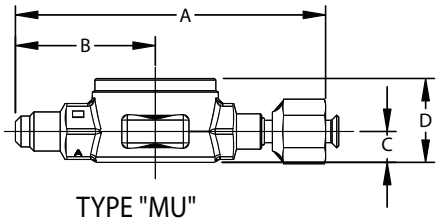
Dimensional Data



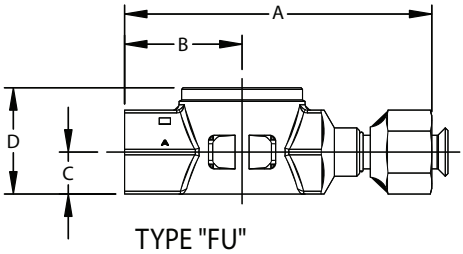
TYPE "MM"
MALE FLARE X MALE FLARE



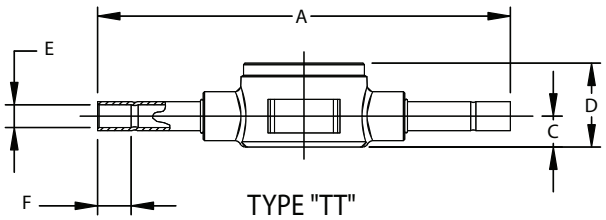
TYPE "FM"
FEMALE FLARE X MALE FLARE



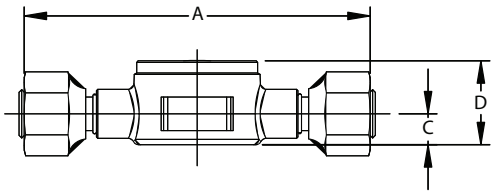
TYPE "MU"
MALE FLARE X FEMALE FLARE SWIVEL NUT



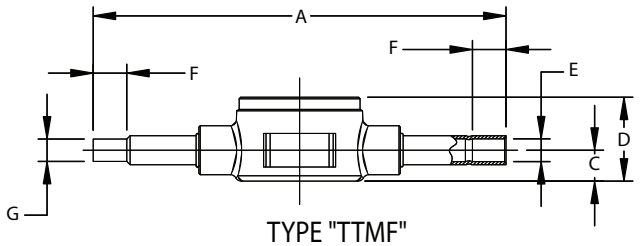
TYPE "FU"
FEMALE FLARE X FEMALE SWIVEL NUT



TYPE "TT"
TUBE STUB X TUBE STUB



TYPE "UU"
FEMALE FLARE SWIVEL NUT X FEMALE FLARE SWIVEL NUT



TYPE "TTMF"
TUBE STUB MALE X TUBE STUB FEMALE

Dimensional Data (in)

Type Number	Connection Size	A	B	C	D	E	F Min	G
HMI - 1MM2	1/4 SAE	3.13	1.56	0.34	0.94			
HMI - 1MM3	3/8 SAE	3.38	1.69	0.34	0.94			
HMI - 1MM4	1/2 SAE	3.62	1.81	0.47	1.19			
HMI - 1MM5	5/8 SAE	3.88	1.94	0.47	1.19			
HMI - 1MM6	3/4 SAE	5.00	2.50	0.59	1.53			
HMI - 1FM2	1/4 SAE	2.75	1.19	0.34	0.94			
HMI - 1FM3	3/8 SAE	3.00	1.31	0.47	1.19			
HMI - 1FM4	1/2 SAE	3.22	1.41	0.47	1.19			
HMI - 1MU2	1/4 SAE	3.91	1.56	0.34	0.94			
HMI - 1MU3	3/8 SAE	4.38	1.69	0.34	0.94			
HMI - 1MU4	1/2 SAE	4.72	1.81	0.47	1.19			
HMI - 1MU5	5/8 SAE	5.09	1.94	0.47	1.19			
HMI - 1FU3	3/8 SAE	4.00	1.31	0.47	1.19			
HMI - 1FU4	1/2 SAE	4.31	1.41	0.47	1.19			
HMI - 1TT2	1/4 ODF	5.56		0.34	0.94	0.25	0.38	
HMI - 1TT3	3/8 ODF	5.62		0.34	0.94	0.38	0.34	
HMI - 1TT4	1/2 ODF	5.88		0.47	1.19	0.50	.035	
HMI - 1TT5	5/8 ODF	5.88		0.47	1.19	0.63	0.63	
HMI - 1TT6	3/4 ODF	6.56		0.61	1.50	0.75	0.63	
HMI - 1TT7	7/8 ODF	6.31		0.61	1.50	0.88	0.75	
HMI - 1TT9	1 1/8 ODF	6.59		0.67	1.37	1.13	0.90	
HMI - 1UU3	3/8 x 3/8 Flare Swivel	4.88		0.34	0.94			
HMI - 1UU4	1/2 x 1/2 Flare Swivel	5.56		0.47	1.19			
HMI - 1UU5	5/8 x 5/8 Flare Swivel	6.02		0.47	1.19			
HMI - 1TT2MF	1/4 ODM x 1/4 ODF	5.56		0.34	0.94	0.25	0.38	0.25
HMI - 1TT3MF	3/8 ODM x 3/8 ODF	5.62		0.34	0.94	0.38	0.38	0.38
HMI - 1TT4MF	1/2 ODM x 1/2 ODF	5.88		0.47	1.19	0.50	0.50	0.50
HMI - 1 TT5MF	5/8 ODM x 5/8 ODF	5.88		0.61	1.19	0.63	0.50	0.62

AMI-Moisture Indicators

The AMI is designed to provide an accurate method of determining the moisture content of a system's refrigerant. The AMI has a unique high accuracy moisture indicator for CFC, HCFC and HFC refrigerants. For the AMI-2 Series, see the bottom of the following page.

Features

- Highest sensitivity moisture indicator available
- Take-A-Part design for easy repair
- Single indicator for all common refrigerants
- Accurate color calibration at low ppm levels and higher temperatures
- Wide angle viewing/high visibility window for ease of monitoring
- Solid copper connections

Specifications

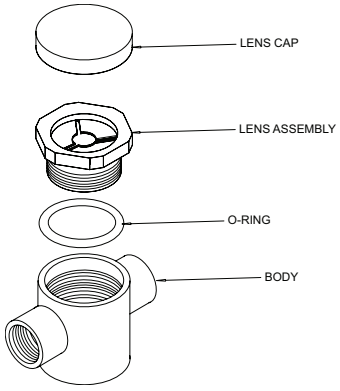
- Maximum working pressure: 680 psig
- UL/CUL file number: SA 4876

Nomenclature example: AMI 1SS4

AMI	1	SS	4
Moisture Indicator Series	Design Series 1 = standard connection 2 = bushing style	Connection Style TT = Sweat x Sweat	Connection Size (in 1/8")

Replacement Parts For AMI

PCN	Part	Number
021371	Lenscap	12740-1
020877	"O" Ring	PS1525-2
027511	Lens Assembly Kit (Consists of lens assembly, lens cap and "O" ring)	X12978-1



Ordering Information

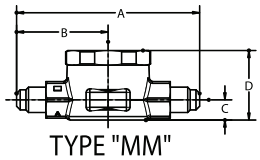
PCN	Description	Series	Connection Size
048803	AMI-1MM2	Male Flare x Male Flare	1/4
048804	AMI-1MM3		3/8
048805	AMI-1MM4		1/2
048806	AMI-1MM5		5/8
048811	AMI-1SS2	Sweat x Sweat (OD Female)	1/4
048812	AMI-1SS3		3/8
048813	AMI-1SS4		1/2
048814	AMI-1SS5		5/8
048815	AMI-1SS7		7/8
048816	AMI-1SS9		1 1/8
047298	AMI-1TT2 EXTENDED ENDS		1/4
042771	AMI-1TT3 EXTENDED ENDS		3/8
022302	AMI-1TT4 EXTENDED ENDS		1/2
031136	AMI-1TT5 EXTENDED ENDS		5/8
037357	AMI-1TT7 EXTENDED ENDS[1]		7/8
031378	AMI-1TT9 EXTENDED ENDS[1]		1 1/8
048800	AMI-1FM2	Female Flare x Male Flare	1/4
048801	AMI-FM3		3/8
048802	AMI-FM4		1/2
048807	AMI-1MU2	Male Flare x Female Flare Swivel Nut	1/4
048808	AMI-1MU3		3/8
048809	AMI-1MU4		1/2
048810	AMI-1MU5		5/8
048817	AMI-1FU3	Female Flare x Female Flare Swivel Nut	3/8
048818	AMI-1FU4		1/2
048819	AMI-1SU2	Sweat x Female Flare Swivel Nut	1/4
048820	AMI-1SU3		3/8
048821	AMI-1SU4		1/2
048822	AMI-1SU5		5/8
046647	AMI-1UU3	Swivel Nut x Swivel Nut	3/8
046648	AMI-1UU4		1/2
046649	AMI-1UU5		5/8

[1] 500 PSIG MWP

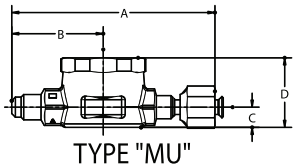
Moisture Content Color Code (ppm H_2O)

Indication Liquid Temperature	Dry (Dark Blue)			Caution (Purple)			Wet (Salmon)		
	75°F	100°F	125°F	75°F	100°F	125°F	75°F	100°F	125°F
R-12	1.4	2.5	4	5	9	15	25	43	70
R-134A	20	35	60	35	55	85	130	160	190
R-22	25	35	50	40	65	90	145	205	290
R-407C	26	40	64	42	68	109	150	230	370
R-410A	30	55	75	50	85	120	165	290	420
R-404A/507	15	25	45	33	50	80	120	150	180
R-502	2.6	5	8	10	18	30	50	90	150

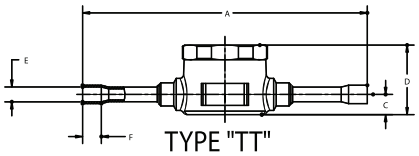
Dimensional Data



TYPE "MM"
MALE FLARE X MALE FLARE



TYPE "MU"
MALE FLARE X FEMALE FLARE SWIVEL NUT



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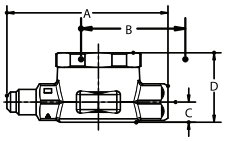
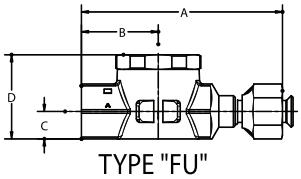
TUBE STUB X TUBE STUB



TYPE "FM"
FEMALE FLARE X MALE FLARE



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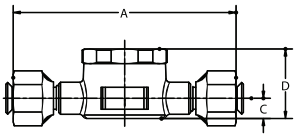
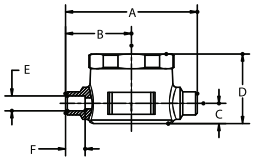
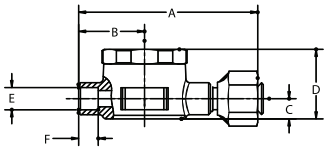
FEMALE FLARE X FEMALE FLARE SWIVEL NUT



TYPE "UU"
FEMALE FLARE SWIVEL NUT X FEMALE FLARE SWIVEL NUT



TYPE "SS"
SWEAT X SWEAT



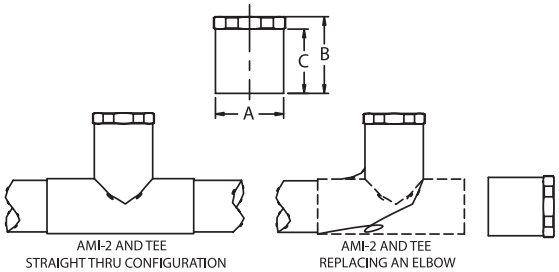
TYPE "SU"
SWEAT X FEMALE FLARE SWIVEL NUT

Dimensional Data (in)

Description	Connection Size	A	B	C	D	E
AMI-1MM2	1/4 SAE	3.13	1.56	0.34	1.19	
AMI-1MM3	3/8 SAE	3.38	1.69			
AMI-1MM4	1/2 SAE	3.63	1.81	0.47	1.44	
AMI-1MM5	5/8 SAE	3.88	1.94			
AMI-1FM2	1/4 SAE	2.75	1.19	0.34	1.19	
AMI-1FM3	3/8 SAE	3.00	1.31	0.47	1.44	
AMI-1FM4	1/2 SAE	3.22	1.41			
AMI-1MU2	1/4 SAE	3.91	1.56	0.34	1.19	
AMI-1MU3	3/8 SAE	4.38	1.69			
AMI-1MU4	1/2 SAE	4.72	1.81	0.47	1.44	
AMI-1MU5	5/8 SAE	5.09	1.94			
AMI-1FU3	3/8 SAE	4.00	1.31			
AMI-1FU4	1/2 SAE	4.31	1.41			
AMI-1SS2	1/4 ODF	2.25	1.13	0.34	1.81	0.31
AMI-1SS3	3/8 ODF					
AMI-1SS4	1/2 ODF	2.63	1.31	0.47	1.44	0.38
AMI-1SS5	5/8 ODF					0.50
AMI-1SS7	7/8 ODF	3.13	1.56	0.61	1.75	0.75
AMI-1SS9	1 1/8 ODF	3.38	1.69	0.67	1.92	0.88
AMI-1SU2	1/4 ODF X 1/4 SAE	3.47	1.13	0.34	0.81	
AMI-1SU3	3/8 ODF X 3/8 SAE	3.56				0.81
AMI-1SU4	1/2 ODF X 1/2 SAE	4.09	1.31	0.47	1.44	
AMI-1SU5	5/8 ODF X 5/8 SAE	4.22				0.50
AMI-1TT2	1/4 ODF	4.89		0.34	0.81	0.31
AMI-1TT3	3/8 ODF					
AMI-1TT4	1/2 ODF	4.92		0.47	1.44	0.38
AMI-1TT5	5/8 ODF	4.91				0.50
AMI-1TT7	7/8 ODF	6.36		0.61	1.75	0.75
AMI-1TT9	1 1/8 ODF	6.30		0.67	1.92	0.88
AMI-1TT11	1 3/8 ODF	6.94		1.00	2.38	0.66
AMI-1UUE	3/8 X 3/8 FLARE SWIVEL	4.88		0.34	1.19	
AMI-1UU4	1/2 X 1/2 FLARE SWIVEL	5.56		0.47	1.44	
AMI-1UU5	5/8 X 5/8 FLARE SWIVEL	6.02				

AMI-2 Series Dimensions (in)

PCN	Description	Connection Size	A Dia.	B	C
064857	AMI-2S5	5/8 ODM	0.63	1.40	1.17
064167	AMI-2S7	7/8 ODM	0.88	1.34	1.00
064168	AMI-2S9	1 1/8 ODM	1.13	1.25	1.00
022303	AMI-2S11	1 3/8 ODM	1.38	1.56	1.94
028388	AMI-2S13	1 5/8 ODM	1.63	1.69	1.44
031219	AMI-2S17	2 1/8 ODM	2.13	1.94	1.69



AMI-2 AND TEE
STRAIGHT THRU CONFIGURATION

AMI-2 AND TEE
REPLACING AN ELBOW

A-IHL Moisture Indicators

The A-IHL saddle design moisture indicator is used for large diameter tubing in CFC, HCFC, and HFC refrigerants.

Features

- Saddle design
- Solid copper connections
- Replaceable moisture indicator
- Eliminates the need for bypass installation - positive reaction to system moisture levels

Nomenclature

example: A-IHL 9S

A-IHL	9	S
Series	Connection Size (in 1/8")	S = ODF

Specifications

- Maximum working pressure: 500 psig
- UL/CUL file number: SA 9566

Ordering Information

PCN	Model	Connection Size	Overall Length
060853	A-IHL-9S	1 1/8 ODF	6.31
061030	A-IHL-11S	1 3/8 ODF	7.12
061031	A-IHL-13S	1 5/8 ODF	7.87
061032	A-IHL-17S	2 1/8 ODF	8.68
060973	A-IHL-21S	2 5/8 ODF	9.45

Hermetic Suction Line Filter-Drier Flow Capacities

Description	Connection	Flow Capacity In Tons Refrigerant [1] (For kW, Multiply Tons by 3.5)[2]							
		R-12				R-134a			
		Evaporator Temperature (°F)							
		40	20	0	-20	40	20	0	-20
		Pressure Drop (PSI)							
		2	1.5	1	0.5	2	1.5	1	0.5
ASD 28S3-W	3/8 ODF	1.1	0.6	0.5	0.5	1.4	0.6	0.5	0.4
ASD 28S4-W	1/2 ODF	1.8	1.2	0.8	0.7	1.9	1.2	0.8	1.6
ASD 35F5-2	5/8 SAE	2.1	1.4	1.1	0.9	2.2	1.4	1	0.8
ASD 35S5-W	5/8 ODF	2.8	1.9	1.4	1.1	2.9	1.9	1.3	1
ASD 45S6-W	3/4 ODF	3.8	2.5	1.8	1.2	3.9	2.5	1.7	1.1
ASD 45S7-W	7/8 ODF	5.0	3.6	2.3	1.5	5.1	3.5	2.2	1.3
ASD 50S9-W	1 1/8 ODF	7.1	5.0	3.2	1.8	7.3	4.9	3.0	1.6
ASD 75S11-W	1 3/8 ODF	8.6	5.9	3.7	2.0	8.8	5.8	3.5	1.8
ASD 75S13-W	1 5/8 ODF	9.0	6.2	3.9	2.1	9.3	6.1	3.7	1.9
ASF 28S3-W	3/8 ODF	1.2	0.8	0.5	0.5	1.2	0.8	0.5	0.4
ASF 28S4-W	1/2 ODF	1.9	1.3	0.9	0.8	2	1.3	0.9	0.7
ASF 35F5-W	5/8 SAE	2.2	1.5	1.1	0.9	2.3	1.5	1	0.8
ASF 35S5-W	5/8 ODF	3.2	2.2	1.6	1.4	3.3	2.2	1.5	1.2
ASF 45S6-W	3/4 ODF	4.7	3.2	2.3	1.8	4.8	3.1	2.2	1.6
ASF 45S7-W	7/8 ODF	6.5	4.8	3.3	1.9	6.7	4.7	3.1	1.7
ASF 50S9-W	1 1/8 ODF	9.2	6.8	4.5	2.6	9.5	6.7	4.3	2.3
ASF 64S17-W	2 1/8 ODF	25.3	18.3	12.6	7.2	26	18	12	6.4
ASF 75S11-W	1 3/8 ODF	11.7	8.8	5.9	3.4	12	8.7	5.6	3
ASF 75S13-W	1 5/8 ODF	13.6	9.7	6.6	3.8	14	9.5	6.3	3.4
ASK 165S-W-HH	4/8 ODF	1.9	1.4	0.8	0.6	2	1.4	0.8	0.5
ASK 166S-W-HH	3/4 ODF	2.4	1.7	1.1	0.7	2.5	1.7	1	0.6
ASK 167S-W-HH	7/8 ODF	2.6	1.8	1.2	0.7	2.7	1.8	1.1	0.6
ASK 306S-W-HH	3/4 ODF	3.3	2.3	1.5	0.9	3.4	2.3	1.4	0.8
ASK 307S-W-HH	7/8 ODF	3.5	2.5	1.6	0.9	3.6	2.5	1.5	0.8
ASK 309S-W-HH	1 1/8 ODF	3.8	2.6	1.7	0.9	3.9	2.6	1.6	0.8
CSFD14S4-W	1/2 ODF	1.3	0.9	0.5	0.3	1.3	0.9	0.5	0.3
CSFD14S5-W	5/8 ODF	2.2	1.5	0.9	0.6	2.3	1.5	0.9	1.5
CSFD14S6-W	3/4 ODF	3.0	2.1	13.7	0.8	3.1	2.1	13	1.7
CSFD14S7-W	7/8 ODF	3.2	2.2	1.5	0.8	3.3	2.2	1.4	0.7
CSFD14S9-W	1 1/8 ODF	4.4	3.1	1.9	1.1	4.5	3	1.8	1
SFD 13F3-W	3/8 SAE	0.7	0.4	0.2	0.1	0.7	0.4	0.2	0.1
SFD 13S3-W	3/8 ODF	1.3	0.8	0.5	0.2	1.3	0.8	0.5	0.2
SFD 13F4-W	1/2 SAE	1.5	1.0	0.6	0.3	1.5	1.0	0.6	0.3
SFD 13S4-W	1/2 ODF	2.2	1.5	1.1	0.6	2.3	1.5	1	0.5
SFD 13F5-W	5/8 SAE	2.4	1.7	1.2	0.7	2.5	1.7	1.1	0.6
SFD 13S5-W	5/8 ODF	3.0	2.1	1.4	0.8	3.1	2.1	1.3	0.7
SFD 13S6-W	3/4 ODF	4.0	2.7	1.8	1.0	4.1	2.7	1.7	0.9
SFD 13S7-W	7/8 ODF	4.3	3.1	2.0	1.1	4.4	3	1.9	1
SFD 27S6-W	3/4 ODF	4.0	2.7	1.8	1.0	4.1	2.7	1.7	0.9
SFD 27S7-W	7/8 ODF	4.6	3.2	2.0	1.1	4.7	3.1	1.9	1
SFD 27S9-W	1/1/8 ODF	5.1	3.5	2.1	1.1	5.2	3.4	2	1
SFD 54S11-W	1 3/8 ODF	4.4	2.9	1.8	1.0	4.5	2.9	1.7	0.9
SFD 54S13-W	1 5/8 ODF	4.5	3.1	1.9	1.0	4.6	3	1.8	0.9

[1] All ratings in accordance with ARI Standard 730-04.
[2] Example: 1.0 tons x 3.5 = 3.5 kW

Hermetic Suction Line Filter-Drier Flow Capacities

Description	Connections	Flow Capacity In Tons Refrigerant[1] (For kW, Multiply Tons By 3.5)[2]							
		R-12				R-134a			
		Evaporator Temperature (°F)							
		40	20	0	-20	40	20	0	-20
		Pressure Drop (PSI)							
		2	1.5	1	0.5	2	1.5	1	0.5
ASD 28S3-VV	3/8 ODF	1.1	0.6	0.5	0.5	1.1	0.6	0.5	0.4
ASD 28S4-VV	1/2 ODF	1.8	1.2	0.8	0.7	1.9	1.2	0.8	0.6
ASD 35F5-VV	5/8 SAE	2.1	1.4	1.1	0.9	2.2	1.4	1.0	0.8
ASD 35S5-VV	5/8 ODF	2.8	1.9	1.4	1.1	2.9	1.9	1.3	1.0
ASD 45S6-VV	3/4 ODF	3.8	2.5	1.8	1.2	3.9	2.5	1.7	1.1
ASD 45S7-VV	7/8 ODF	5.0	3.6	2.3	1.5	5.1	3.5	2.2	1.3
ASD 50S9-VV	1-1/8 ODF	7.1	5.0	3.2	1.8	7.3	4.9	3.0	1.6
ASD 75S11-VV	1-3/8 ODF	8.6	5.9	3.7	2.0	8.8	5.8	3.5	1.8
ASD 75S13-VV	1-5/8 ODF	9.0	6.2	3.9	2.1	9.3	6.1	3.7	1.9
ASF 28S3-VV	3/8 ODF	1.2	0.8	0.5	0.5	1.2	0.8	0.5	0.4
ASF 28S4-VV	1/2 ODF	1.9	1.3	0.9	0.8	2.0	1.3	0.9	0.7
ASF 35F5-VV	5/8 SAE	2.2	1.5	1.1	0.9	2.3	1.5	1.0	0.8
ASF 35S5-VV	5/8 ODF	3.2	2.2	1.6	1.4	3.3	2.2	1.5	1.2
ASF 45S6-VV	3/4 ODF	4.7	3.2	2.3	1.8	4.8	3.1	2.2	1.6
ASF 45S7-VV	7/8 ODF	6.5	4.8	3.3	1.9	6.7	4.7	3.1	1.7
ASF 50S9-VV	1-1/8 ODF	9.2	6.8	4.5	2.6	9.5	6.7	4.3	2.3
ASF 64S17-VV	2-1/8 ODF	25.3	18.3	12.6	7.2	26.0	18	12	6.4
ASF 75S11-VV	1-3/8 ODF	11.7	8.8	5.9	3.4	12.0	8.7	5.6	3.0
ASF 75S13-VV	1-5/8 ODF	13.6	9.7	6.6	3.8	14.0	9.5	6.3	3.4
ASK 165S-VV-HH	5/8 ODF	1.9	1.4	0.8	0.6	2.0	1.4	0.8	0.5
ASK 166S-VV-HH	3/4 ODF	2.4	1.7	1.1	0.7	2.5	1.7	1.0	0.6
ASK 167S-VV-HH	7/8 ODF	2.6	1.8	1.2	0.7	2.7	1.8	1.1	0.6
ASK 306S-VV-HH	3/4 ODF	3.3	2.3	1.5	0.9	3.4	2.3	1.4	0.8
ASK 307S-VV-HH	7/8 ODF	3.5	2.5	1.6	0.9	3.6	2.5	1.5	0.8
ASK 309S-VV-HH	1-1/8 ODF	3.8	2.6	1.7	0.9	3.9	2.6	1.6	0.8
CSFD 14S4-VV	1/2 ODF	1.3	0.9	0.5	0.3	1.3	0.9	0.5	0.3
CSFD 14S5-VV	5/8 ODF	2.2	1.5	0.9	0.6	2.3	1.5	0.9	0.5
CSFD 14S6-VV	3/4 ODF	3.0	2.1	13.7	0.8	3.1	2.1	13	0.7
CSFD 14S7-VV	7/8 ODF	3.2	2.2	1.5	0.8	3.3	2.2	1.4	0.7
CSFD 14S9-VV	1-1/8 ODF	4.4	3.1	1.9	1.1	4.5	3.0	1.8	1.0
SFD 13F3-VV	3/8 SAE	0.7	0.4	0.2	0.1	0.7	0.4	0.2	0.1
SFD 13S3-VV	3/8 ODF	1.3	0.8	0.5	0.2	1.3	0.8	0.5	0.2
SFD 13F4-VV	1/2 SAE	1.5	1.0	0.6	0.3	1.5	1.0	0.6	0.3
SFD 13S4-VV	1/2 ODF	2.2	1.5	1.1	0.6	2.3	1.5	1.0	0.5
SFD 13F5-VV	5/8 SAE	2.4	1.7	1.2	0.7	2.5	1.7	1.1	0.6
SFD 13S5-VV	5/8 ODF	3.0	2.1	1.4	0.8	3.1	2.1	1.3	0.7
SFD 13S6-VV	3/4 ODF	4.0	2.7	1.8	1.0	4.1	2.7	1.7	0.9
SFD 13S7-VV	7/8 ODF	4.3	3.1	2.0	1.1	4.4	3.0	1.9	1.0
SFD 27S6-VV	3/4 ODF	4.0	2.7	1.8	1.0	4.1	2.7	1.7	0.9
SFD 27S7-VV	7/8 ODF	4.6	3.2	2.0	1.1	4.7	3.1	1.9	1.0
SFD 27S9-VV	1-1/8 ODF	5.1	3.5	2.1	1.1	5.2	3.4	2.0	1.0
SFD 54S11-VV	1-3/8 ODF	4.4	2.9	1.8	1.0	4.5	2.9	1.7	0.9
SFD 54S13-VV	1-5/8 ODF	4.5	3.1	1.9	1.0	4.6	3.0	1.8	0.9

[1] All ratings in accordance with ARI Standard 730-04.

[2] Example: 1.0 tons x 3.5 = 3.5 kW

Hermetic Suction Line Filter-Drier Flow Capacities

Description	Connections	Flow Capacity In Tons Refrigerant[1] (For kW, Multiply Tons By 3.5)[2]														
		R-22					R-407C					R-410A				
		Evaporator Temperature (°F)														
		40	20	0	-20	-40	40	20	0	-20	-40	40	20	0	-20	-40
		Pressure Drop (PSI)														
		3	2	1.5	1	0.5	3	2	1.5	1	0.5	3	2	1.5	1	0.5
ASD 28S3-VV	3/8 ODF	2.3	1.3	0.9	0.6	0.5	2.6	1.5	1.1	0.7	0.7	1.6	0.9	0.6	0.4	0.3
ASD 28S4-VV	1/2 ODF	3.8	2.1	1.4	1.0	0.8	4.2	2.4	1.7	1.2	1.1	2.6	1.4	1.0	0.7	0.5
ASD 35F5-VV	5/8 SAE	4.4	2.5	1.7	1.2	0.9	4.9	2.9	2.1	1.5	1.2	3.0	1.7	1.2	0.8	0.6
ASD 35S5-VV	5/8 ODF	5.8	3.2	2.2	1.6	1.0	6.5	3.7	2.7	2.0	1.3	4.0	2.2	1.5	1.1	0.7
ASD 45S6-VV	3/4 ODF	7.0	4.6	3.2	2.0	1.1	7.8	5.3	3.9	2.5	1.5	4.8	3.2	2.2	1.3	0.7
ASD 45S7-VV	7/8 ODF	9.2	6.0	4.1	2.6	1.4	10.0	6.9	4.9	3.2	1.9	6.3	4.1	2.8	1.7	0.9
ASD 50S9-VV	1-1/8 ODF	13.2	8.5	5.7	3.5	1.8	15.0	9.7	6.9	4.3	2.4	9.0	5.8	3.9	2.3	1.2
ASD 75S11-VV	1-3/8 ODF	16.2	10.2	6.7	4.0	2.0	18.0	12.0	8.1	4.9	2.7	11.0	7.0	4.6	2.7	1.3
ASD 75S13-VV	1-5/8 ODF	17.3	10.7	7.0	4.2	2.1	19.0	12.0	8.4	5.2	2.8	12.0	7.3	4.8	2.8	1.4
ASF 28S3-VV	3/8 ODF	2.4	1.3	0.9	0.7	0.5	2.7	1.5	1.1	0.9	0.7	1.6	0.9	0.6	0.5	0.3
ASF 28S4-VV	1/2 ODF	4.1	2.3	1.6	1.2	0.9	4.6	2.6	1.9	1.5	1.2	2.8	1.6	1.1	0.8	0.6
ASF 35F5-VV	5/8 SAE	4.7	2.6	1.8	1.3	1.0	5.2	3.0	2.2	1.6	1.3	3.2	1.8	1.2	0.9	0.7
ASF 35S5-VV	5/8 ODF	6.6	3.7	2.6	1.9	1.6	7.3	4.2	3.1	2.3	2.1	4.5	2.5	1.8	1.3	1.0
ASF 45S6-VV	3/4 ODF	9.8	5.5	3.7	2.7	2.2	11.0	6.3	4.5	3.3	3.0	6.7	3.8	2.5	1.8	1.4
ASF 45S7-VV	7/8 ODF	12.0	8.0	5.6	3.6	3.0	13.0	9.2	6.8	4.4	4.0	8.2	5.5	3.8	2.4	2.0
ASF 50S9-VV	1-1/8 ODF	19.0	12.0	8.2	4.9	2.6	21.0	14.0	9.9	6.0	3.5	13.0	8.2	5.6	3.3	1.7
ASF 64S17-VV	2-1/8 ODF	41.0	27.0	19.0	12.0	6.9	46.0	31.0	23.0	15.0	9.3	28.0	19.0	13.0	8.0	4.5
ASF 75S11-VV	1-3/8 ODF	24.0	15.0	10.0	6.5	3.2	27.0	17.0	12.0	8.0	4.3	16.0	10.0	6.8	4.3	2.1
ASF 75S13-VV	1-5/8 ODF	15.0	16.0	11.0	6.7	3.3	17.0	18.0	13.0	8.3	4.4	10.0	11.0	7.5	4.5	2.2
ASK 165S-VV-HH	5/8 ODF	3.4	2.1	1.4	0.9	0.4	3.8	2.4	1.7	1.1	0.5	2.3	1.4	1.0	0.6	0.3
ASK 166S-VV-HH	3/4 ODF	4.2	2.6	1.7	1.0	0.5	4.7	3.0	2.1	1.2	0.7	2.9	1.8	1.2	0.7	0.3
ASK 167S-VV-HH	7/8 ODF	4.6	2.8	1.9	1.1	0.6	5.1	3.2	2.3	1.4	0.8	3.1	1.9	1.3	0.7	0.4
ASK 306S-VV-HH	3/4 ODF	5.5	3.5	2.3	1.4	0.8	6.1	4.0	2.8	1.7	1.1	3.8	2.4	1.6	0.9	0.5
ASK 307S-VV-HH	7/8 ODF	6.1	3.8	2.5	1.5	0.8	6.8	4.4	3.0	1.9	1.1	4.2	2.6	1.7	1.0	0.5
ASK 309S-VV-HH	1-1/8 ODF	6.5	4.0	2.6	1.6	0.8	7.2	4.6	3.1	2.0	1.1	4.4	2.7	1.8	1.1	0.5
CSFD 14S4-VV	1/2 ODF	2.0	1.3	0.9	0.6	0.3	2.2	1.5	1.1	0.7	0.4	1.4	0.9	0.6	0.4	0.2
CSFD 14S5-VV	5/8 ODF	3.6	2.4	1.6	1.0	0.5	4.0	2.8	1.9	1.2	0.7	2.5	1.6	1.1	0.7	0.3
CSFD 14S6-VV	3/4 ODF	4.9	3.2	2.2	1.4	0.7	5.5	3.7	2.7	1.7	0.9	3.3	2.2	1.5	0.9	0.5
CSFD 14S7-VV	7/8 ODF	5.2	3.4	2.3	1.5	0.8	5.8	3.9	2.8	1.9	1.1	3.6	2.3	1.6	1.0	0.5
CSFD 14S9-VV	1-1/8 ODF	7.0	4.6	3.1	2.0	1.0	7.8	5.3	3.7	2.5	1.3	4.8	3.2	2.1	1.3	0.7
SFD 13F3-VV	3/8 SAE	1.4	0.8	0.4	0.2	0.1	1.6	0.9	0.5	0.2	0.1	1.0	0.5	0.3	0.1	0.1
SFD 13S3-VV	3/8 ODF	2.2	1.3	0.8	0.5	0.2	2.4	1.5	1.0	0.6	0.3	1.5	0.9	0.5	0.3	0.1
SFD 13F4-VV	1/2 SAE	2.4	1.6	1.1	0.7	0.4	2.7	1.8	1.3	0.9	0.5	1.6	1.1	0.7	0.5	0.3
SFD 13S4-VV	1/2 ODF	3.5	2.3	1.6	1.0	0.6	3.9	2.6	1.9	1.2	0.8	2.4	1.6	1.1	0.7	0.4
SFD 13F5-VV	5/8 SAE	3.7	2.4	1.6	1.0	0.6	4.1	2.8	1.9	1.2	0.8	2.5	1.6	1.1	0.7	0.4
SFD 13S5-VV	5/8 ODF	4.9	3.2	2.2	1.4	0.8	5.5	3.7	2.7	1.7	1.1	3.3	2.2	1.5	0.9	0.5
SFD 13S6-VV	3/4 ODF	6.4	4.2	2.8	1.8	1.0	7.1	4.8	3.4	2.2	1.3	4.4	2.9	1.9	1.2	0.7
SFD 13S7-VV	7/8 ODF	7.2	4.6	3.0	1.9	1.0	8.0	5.3	3.6	2.3	1.3	4.9	3.2	2.0	1.3	0.7
SFD 27S6-VV	3/4 ODF	6.4	4.2	2.8	1.8	1.0	7.1	4.8	3.4	2.2	1.3	4.4	2.9	1.9	1.2	0.7
SFD 27S7-VV	7/8 ODF	7.5	4.8	3.2	2.0	1.1	8.3	5.5	3.9	2.5	1.5	5.1	3.3	2.2	1.3	0.7
SFD 27S9-VV	1-1/8 ODF	8.5	5.4	3.5	2.1	1.1	9.5	6.2	4.2	2.6	1.5	5.8	3.7	2.4	1.4	0.7
SFD 54S11-VV	1-3/8 ODF	7.3	4.6	3.0	1.8	1.0	8.1	5.3	3.6	2.2	1.3	5.0	3.2	2.0	1.2	0.7
SFD 54S13-VV	1-5/8 ODF	7.4	4.7	3.2	2.0	1.0	8.2	5.4	3.9	2.5	1.3	5.1	3.2	2.2	1.3	0.7

[1] All ratings in accordance with ARI Standard 730-04.

[2] Example: 1.0 tons x 3.5 = 3.5 kW

Take-A-Part Suction Line Filter-Drier Flow Capacties

Description	Connections	Flow Capacity In Tons Refrigerant[1] (For kW, Multiply Tons By 3.5)[2]									
		R-502					R-404A/R-507				
		Evaporator Temperature (°F)									
		40	20	0	-20	-40	40	20	0	-20	-40
		Pressure Drop (PSI)									
		3	2	1.5	1	0.5	3	2	1.5	1	0.5
ASD 28S3-VV	3/8 ODF	2.2	1.1	0.7	0.5	0.3	2.1	1.1	0.7	0.5	0.3
ASD 28S4-VV	1/2 ODF	3.7	1.8	1.1	0.7	0.5	3.6	1.8	1.1	0.7	0.5
ASD 35F5-VV	5/8 SAE	4.2	2.1	1.3	0.9	0.6	4.1	2.1	1.3	0.9	0.6
ASD 35S5-VV	5/8 ODF	5.6	2.8	1.7	1.1	0.8	5.4	2.8	1.7	1.1	0.8
ASD 45S6-VV	3/4 ODF	6.6	3.7	2.5	1.5	0.9	6.4	3.7	2.5	1.6	1.0
ASD 45S7-VV	7/8 ODF	7.7	4.8	3.3	1.9	1.0	7.5	4.8	3.3	2.0	1.1
ASD 50S9-VV	1-1/8 ODF	11.0	6.9	4.6	2.7	1.3	11.0	6.9	4.6	2.8	1.4
ASD 75S11-VV	1-3/8 ODF	14.0	8.4	5.4	3.1	1.5	14.0	8.4	5.4	3.2	1.6
ASD 75S13-VV	1-5/8 ODF	15.0	8.9	5.7	3.3	1.6	15.0	8.9	5.7	3.4	1.7
ASF 28S3-VV	3/8 ODF	2.3	1.1	0.7	0.5	0.3	2.2	1.1	0.7	0.5	0.3
ASF 28S4-VV	1/2 ODF	3.9	2.0	1.2	0.8	0.6	3.8	2.0	1.2	0.8	0.6
ASF 35F5-VV	5/8 SAE	4.5	2.3	1.4	0.9	0.7	4.4	2.3	1.4	0.9	0.7
ASF 35S5-VV	5/8 ODF	6.3	3.2	2.0	1.4	0.9	6.1	3.2	2.0	1.4	1.0
ASF 45S6-VV	3/4 ODF	9.4	4.7	2.9	1.8	1.3	9.1	4.7	2.9	1.9	1.4
ASF 45S7-VV	7/8 ODF	10.0	6.3	4.5	2.7	1.4	9.8	6.3	4.5	2.8	1.5
ASF 50S9-VV	1-1/8 ODF	16.0	10.0	6.6	3.9	1.9	16.0	10.0	6.7	4.0	2.0
ASF 64S17-VV	2-1/8 ODF	36.0	23.0	15.0	9.5	4.9	35.0	23.0	15.0	9.8	5.2
ASF 75S11-VV	1-3/8 ODF	21.0	13.0	8.2	4.9	2.4	20.0	13.0	8.3	5.1	2.6
ASF 75S13-VV	1-5/8 ODF	22.0	13.0	8.3	5.0	2.5	21.0	13.0	8.4	5.2	2.7
ASK 165S-VV-HH	5/8 ODF	3.3	1.9	1.2	0.8	0.3	3.2	1.9	1.2	0.8	0.3
ASK 166S-VV-HH	3/4 ODF	4.0	2.4	1.6	0.9	0.5	3.9	2.4	1.6	0.9	0.5
ASK 167S-VV-HH	7/8 ODF	4.4	2.6	1.7	1.0	0.6	4.3	2.6	1.7	1.0	0.6
ASK 306S-VV-HH	3/4 ODF	5.2	3.2	2.2	1.2	0.7	5.0	3.2	2.2	1.2	0.7
ASK 307S-VV-HH	7/8 ODF	5.8	3.5	2.3	1.4	0.7	5.6	3.5	2.3	1.4	0.7
ASK 309S-VV-HH	1-1/8 ODF	6.2	3.7	2.4	1.4	0.7	6.0	3.7	2.4	1.5	0.7
CSFD 14S4-VV	1/2 ODF	1.3	0.8	0.5	0.3	0.2	1.3	0.8	0.5	0.3	0.2
CSFD 14S5-VV	5/8 ODF	2.7	1.7	1.1	0.7	0.3	2.6	1.7	1.1	0.7	0.3
CSFD 14S6-VV	3/4 ODF	3.7	2.3	1.5	0.9	0.5	3.6	2.3	1.5	0.9	0.5
CSFD 14S7-VV	7/8 ODF	4.0	2.4	1.6	1.0	0.5	3.9	2.4	1.6	1.0	0.5
CSFD 14S9-VV	1-1/8 ODF	5.1	3.1	2.0	1.3	0.7	4.9	3.1	2.0	1.3	0.7
SFD 13F3-VV	3/8 SAE	1.3	0.7	0.4	0.2	0.1	1.3	0.7	0.4	0.2	0.1
SFD 13S3-VV	3/8 ODF	2.0	1.1	0.7	0.4	0.2	1.9	1.1	0.7	0.4	0.2
SFD 13F4-VV	1/2 SAE	2.2	1.3	0.9	0.5	0.3	2.1	1.3	0.9	0.5	0.3
SFD 13S4-VV	1/2 ODF	3.1	1.9	1.3	0.8	0.4	3.0	1.9	1.3	0.8	0.4
SFD 13F5-VV	5/8 SAE	3.3	2.0	1.4	0.9	0.5	3.2	2.0	1.4	0.9	0.5
SFD 13S5-VV	5/8 ODF	4.3	2.7	1.8	1.1	0.6	4.2	2.7	1.8	1.1	0.6
SFD 13S6-VV	3/4 ODF	5.8	3.5	2.3	1.4	0.7	5.6	3.5	2.3	1.4	0.7
SFD 13S7-VV	7/8 ODF	6.5	3.9	2.6	1.4	0.8	6.3	3.9	2.6	1.5	0.8
SFD 27S6-VV	3/4 ODF	5.8	3.5	2.3	1.4	0.7	5.6	3.5	2.3	1.4	0.7
SFD 27S7-VV	7/8 ODF	6.7	4.1	2.7	1.5	0.8	6.5	4.1	2.7	1.6	0.8
SFD 27S9-VV	1-1/8 ODF	7.7	4.6	3.0	1.6	0.8	7.5	4.6	3.0	1.7	0.9
SFD 54S11-VV	1-3/8 ODF	6.6	3.9	2.5	1.4	0.7	6.4	3.9	2.5	1.5	0.7
SFD 54S13-VV	1-5/8 ODF	6.7	4.0	2.6	1.5	0.8	6.5	4.0	2.6	1.6	0.8

[1] All ratings in accordance with ARI Standard 730-04.

[2] Example: 1.0 tons x 3.5 = 3.5 kW

Take-A-Part Suction Line Filter-Drier Flow Capacities

Description	Connections	Filter-Drier Cartridge	Flow Capacity In Tons Refrigerant[1] (For kW, Multiply Tons By 3.5)[2]							
			R-12				R-134a			
			Evaporator Temperature (°F)							
			40	20	0	-20	40	20	0	-20
			Pressure Drop (PSI)							
			2	1.5	1	0.5	2	1.5	1	0.5
ADKS 30013T	1-5/8 ODF	(3) F-100 Filter	24.0	17.0	12.0	7.0	25.0	17.0	11.0	6.2
ADKS 30017T	2-1/8 ODF	(3) F-100 Filter	42.0	31.0	20.0	12.0	43.0	30.0	19.0	11.0
ADKS 40017T	2-1/8 ODF	(4) F-100 Filter	44.0	32.0	21.0	12.0	45.0	31.0	20.0	11.0
ADKS 40021T	2-5/8 ODF	(4) F-100 Filter	66.0	48.0	32.0	19.0	68.0	47.0	30.0	17.0
ADKS 30013T	1-5/8 ODF	(3) 100 cu in Core	19.0	14.0	9.1	5.5	20.0	14.0	8.7	4.9
ADKS 30017T	2-1/8 ODF	(3) 100 cu in Core	30.0	22.0	15.0	8.7	31.0	22.0	14.0	7.7
ADKS 40017T	2-1/8 ODF	(4) 100 cu in Core	33.0	23.0	16.0	9.5	34.0	23.0	15.0	8.4
ADKS 40021T	2-5/8 ODF	(4) 100 cu in Core	48.0	35.0	23.0	14.0	49.0	34.0	22.0	12.0
BTAS-27 S-V	7/8 ODF	A2F Filter	4.7	3.4	2.2	1.2	4.8	3.3	2.1	1.1
BTAS-39 S-V	1-1/8 ODF	A3F Filter	7.1	5.1	3.4	1.9	7.3	5.0	3.2	1.7
BTAS-311 S-V	1-3/8 ODF	A3F Filter	7.9	5.6	3.7	2.1	8.1	5.5	3.5	1.9
BTAS-313 S-V	1-5/8 ODF	A3F Filter	13.0	8.9	5.9	3.4	13.0	8.8	5.6	3.0
BTAS-317 S-V	2-1/8 ODF	A3F Filter	15.0	11.0	7.2	4.2	16.0	11.0	6.9	3.7
BTAS-411 S-V	1-3/8 ODF	A4F Filter	17.0	12.0	8.0	4.5	17.0	12.0	7.4	4.0
BTAS-413 S-V	1-5/8 ODF	A4F Filter	20.0	15.0	10.0	5.5	21.0	14.0	9.1	4.9
BTAS-417 S-V	2-1/8 ODF	A4F Filter	28.0	20.0	13.0	7.5	29.0	20.0	12.0	6.7
BTAS-421 S-V	2-5/8 ODF	A4F Filter	34.0	24.0	16.0	9.1	35.0	24.0	15.0	8.1
BTAS-517 S-V	2-1/8 ODF	A5F Filter	33.0	24.0	16.0	9.1	34.0	24.0	15.0	8.1
BTAS-521 S-V	2-5/8 ODF	A5F Filter	44.0	32.0	21.0	12.0	45.0	31.0	20.0	11.0
BTAS-525 S-V	3-1/8 ODF	A5F Filter	54.0	39.0	25.0	15.0	56.0	38.0	24.0	13.0
BTAS-25 S-V	5/8 ODF	A2F-D Filter-Drier	2.4	1.7	1.2	0.7	2.5	1.7	1.1	0.6
BTAS-27 S-V	7/8 ODF	A2F-D Filter-Drier	4.0	2.8	1.9	1.1	4.1	2.8	1.8	1.0
BTAS-39 S-V	1-1/8 ODF	A3F-D Filter-Drier	5.2	3.7	2.4	1.4	5.3	3.6	2.3	1.2
BTAS-311 S-V	1-3/8 ODF	A3F-D Filter-Drier	7.2	5.2	3.4	1.9	7.4	5.1	3.2	1.7
BTAS-313 S-V	1-5/8 ODF	A3F-D Filter-Drier	10.0	7.4	4.8	2.8	11.0	7.3	4.6	2.5
BTAS-317 S-V	2-1/8 ODF	A3F-D Filter-Drier	12.0	8.5	5.7	3.3	12.0	8.4	5.4	2.9
BTAS-411 S-V	1-3/8 ODF	A4F-D Filter-Drier	15.0	11.0	7.0	4.1	15.0	11.0	6.7	3.6
BTAS-413 S-V	1-5/8 ODF	A4F-D Filter-Drier	15.0	11.0	7.2	4.2	16.0	11.0	6.9	3.7
BTAS-417 S-V	2-1/8 ODF	A4F-D Filter-Drier	22.0	16.0	11.0	6.1	23.0	16.0	10.0	5.4
BTAS-421 S-V	2-5/8 ODF	A4F-D Filter-Drier	23.0	17.0	11.0	6.3	24.0	16.0	10.0	5.6
BTAS-517 S-V	2-1/8 ODF	A5F-D Filter-Drier	27.0	19.0	13.0	7.2	28.0	19.0	12.0	6.4
BTAS-521 S-V	2-5/8 ODF	A5F-D Filter-Drier	32.0	23.0	15.0	8.8	33.0	23.0	14.0	7.8
BTAS-525 S-V	3-1/8 ODF	A5F-D Filter-Drier	38.0	27.0	18.0	10.0	39.0	27.0	17.0	9.2
STAS-489 S-V	1-1/8 ODF	(1) F-48 Filter	13.0	8.0	5.0	2.0	13.0	8.0	5.0	2.0
STAS-4811 S-V	1-3/8 ODF	(1) F-48 Filter	15.0	10.0	6.0	3.0	15.0	10.0	6.0	3.0
STAS-4813 S-V	1-5/8 ODF	(1) F-48 Filter	19.0	12.0	7.0	5.0	20.0	12.0	7.0	4.0
STAS-4817 S-V	2-1/8 ODF	(1) F-48 Filter	24.0	15.0	11.0	6.0	25.0	15.0	10.0	5.0
STAS-4821 S-V	2-5/8 ODF	(1) F-48 Filter	29.0	20.0	14.0	7.0	30.0	20.0	13.0	6.0
STAS-9617 S-V	2-1/8 ODF	(2) F-48 Filter	27.0	18.0	11.0	6.0	28.0	18.0	10.0	5.0
STAS-9621 S-V	2-5/8 ODF	(2) F-48 Filter	37.0	25.0	16.0	8.0	38.0	25.0	15.0	7.0
STAS-489 S-V	1-1/8 ODF	(1) 48 cu in Core	8.0	6.0	4.0	1.0	8.0	6.0	4.0	1.0
STAS-4811 S-V	1-3/8 ODF	(1) 48 cu in Core	10.0	7.0	4.0	2.0	10.0	7.0	4.0	2.0
STAS-4813 S-V	1-5/8 ODF	(1) 48 cu in Core	13.0	8.0	5.0	3.0	13.0	8.0	5.0	3.0
STAS-4817 S-V	2-1/8 ODF	(1) 48 cu in Core	17.0	10.0	7.0	5.0	17.0	10.0	7.0	4.0
STAS-4821 S-V	2-5/8 ODF	(1) 48 cu in Core	19.0	13.0	8.0	5.0	20.0	13.0	8.0	4.0
STAS-9617 S-V	2-1/8 ODF	(2) 48 cu in Core	18.0	12.0	6.0	5.0	18.0	12.0	6.0	4.0
STAS-9621 S-V	2-5/8 ODF	(2) 48 cu in Core	24.0	17.0	11.0	6.0	25.0	17.0	10.0	5.0
STAS-969	1-1/8 ODF	(2) 48 cu in Core								
STAS-1927/5 T	7/8X5/8 ODF	(4) 48 cu in Core								
STAS-4811 S-V	1-3/8 ODF	(1) 48 cu in Core	15.0	10.0	6.0	3.0	15.0	10.0	6.0	3.0
STAS-4813 T	1-5/8 ODF	(1) 48 cu in Core	19.0	12.0	7.0	5.0	20.0	12.0	7.0	4.0
STAS-9617 T	2-1/8 ODF	(2) 48 cu in Core	18.0	12.0	6.0	5.0	18.0	12.0	6.0	4.0
STAS-9617 V	2-1/8 ODF	(2) 48 cu in Core	18.0	12.0	6.0	5.0	18.0	12.0	6.0	4.0

[1] All ratings in accordance with ARI Standard 730-04.

[2] Example: 1.0 tons x 3.5 = 3.5 kW

Take-A-Part Suction Line Filter-Drier Flow Capacties

Description	Connections	Filter-Drier Cartridge	Flow Capacity In Tons Refrigerant[1] (For kW, Multiply Tons By 3.5)[2]									
			R-22					R-407C				
			Evaporator Temperature (°F)									
			40	20	0	-20	-40	40	20	0	-20	-40
			Pressure Drop (PSI)									
			3	2	1.5	1	0.5	3	2	1.5	1	0.5
ADKS 30013T	1-5/8 ODF	(3) F-100 Filter	45.0	30.0	20.0	13.0	7.0	50.0	34.0	24.0	16.0	9.4
ADKS 30017T	2-1/8 ODF	(3) F-100 Filter	77.0	50.0	35.0	22.0	12.0	86.0	57.0	42.0	27.0	16.0
ADKS 40017T	2-1/8 ODF	(4) F-100 Filter	80.0	53.0	37.0	23.0	13.0	89.0	61.0	45.0	28.0	17.0
ADKS 40021T	2-5/8 ODF	(4) F-100 Filter	122.0	80.0	55.0	34.0	19.0	136.0	92.0	66.0	42.0	25.0
ADKS 30013T	1-5/8 ODF	(3) 100 cu in Core	35.0	23.0	16.0	10.0	5.5	39.0	26.0	19.0	12.0	7.4
ADKS 30017T	2-1/8 ODF	(3) 100 cu in Core	56.0	37.0	25.0	16.0	8.8	62.0	42.0	30.0	20.0	12.0
ADKS 40017T	2-1/8 ODF	(4) 100 cu in Core	61.0	40.0	27.0	17.0	9.5	67.0	46.0	33.0	21.0	13.0
ADKS 40021T	2-5/8 ODF	(4) 100 cu in Core	88.0	58.0	40.0	25.0	14.0	98.0	67.0	48.0	31.0	19.0
BTAS-27 S-V	7/8 ODF	A2F Filter	8.8	5.7	3.9	2.5	1.3	9.8	6.5	4.7	3.1	1.7
BTAS-39 S-V	1-1/8 ODF	A3F Filter	14.0	8.8	5.9	3.7	2.0	15.0	10.0	7.1	4.6	2.7
BTAS-311 S-V	1-3/8 ODF	A3F Filter	15.0	10.0	6.6	4.1	2.2	17.0	11.0	8.0	5.1	3.0
BTAS-313 S-V	1-5/8 ODF	A3F Filter	24.0	16.0	11.0	6.6	3.5	27.0	18.0	13.0	8.1	4.7
BTAS-317 S-V	2-1/8 ODF	A3F Filter	29.0	19.0	13.0	8.1	4.3	32.0	22.0	15.0	10.0	5.8
BTAS-411 S-V	1-3/8 ODF	A4F Filter	31.0	20.0	14.0	8.7	4.6	35.0	23.0	17.0	11.0	6.2
BTAS-413 S-V	1-5/8 ODF	A4F Filter	38.0	25.0	17.0	11.0	5.7	42.0	29.0	21.0	13.0	7.6
BTAS-417 S-V	2-1/8 ODF	A4F Filter	53.0	34.0	23.0	15.0	7.8	59.0	39.0	28.0	18.0	10.0
BTAS-421 S-V	2-5/8 ODF	A4F Filter	64.0	42.0	29.0	18.0	10.0	71.0	48.0	35.0	22.0	13.0
BTAS-517 S-V	2-1/8 ODF	A5F Filter	63.0	41.0	28.0	18.0	9.4	70.0	47.0	34.0	22.0	13.0
BTAS-521 S-V	2-5/8 ODF	A5F Filter	84.0	54.0	37.0	23.0	12.0	93.0	62.0	45.0	28.0	17.0
BTAS-525 S-V	3-1/8 ODF	A5F Filter	103.0	67.0	46.0	29.0	15.0	115.0	77.0	56.0	36.0	21.0
BTAS-25 S-V	5/8 ODF	A2F-D Filter-Drier	4.6	3.0	2.0	1.3	0.7	5.1	3.4	2.4	1.6	0.9
BTAS-27 S-V	7/8 ODF	A2F-D Filter-Drier	7.5	4.9	3.3	2.1	1.1	8.3	5.6	4.0	2.6	1.5
BTAS-39 S-V	1-1/8 ODF	A3F-D Filter-Drier	10.0	6.3	4.3	2.7	1.4	11.0	7.2	5.2	3.3	1.9
BTAS-311 S-V	1-3/8 ODF	A3F-D Filter-Drier	14.0	8.9	6.0	3.8	2.0	15.0	10.0	7.2	4.7	2.7
BTAS-313 S-V	1-5/8 ODF	A3F-D Filter-Drier	20.0	13.0	8.6	5.4	2.9	22.0	15.0	10.0	6.7	3.9
BTAS-317 S-V	2-1/8 ODF	A3F-D Filter-Drier	23.0	15.0	10.0	6.3	3.4	26.0	17.0	12.0	7.8	4.6
BTAS-411 S-V	1-3/8 ODF	A4F-D Filter-Drier	28.0	18.0	13.0	7.8	4.2	31.0	21.0	15.0	10.0	5.6
BTAS-413 S-V	1-5/8 ODF	A4F-D Filter-Drier	29.0	19.0	13.0	8.1	4.3	32.0	22.0	15.0	10.0	5.8
BTAS-417 S-V	2-1/8 ODF	A4F-D Filter-Drier	43.0	28.0	19.0	12.0	6.3	48.0	32.0	23.0	15.0	8.5
BTAS-421 S-V	2-5/8 ODF	A4F-D Filter-Drier	44.0	29.0	19.0	12.0	6.5	49.0	33.0	23.0	15.0	8.7
BTAS-517 S-V	2-1/8 ODF	A5F-D Filter-Drier	51.0	33.0	22.0	14.0	7.5	57.0	38.0	27.0	17.0	10.0
BTAS-521 S-V	2-5/8 ODF	A5F-D Filter-Drier	61.0	40.0	27.0	17.0	9.0	68.0	46.0	33.0	21.0	12.0
BTAS-525 S-V	3-1/8 ODF	A5F-D Filter-Drier	72.0	47.0	32.0	20.0	11.0	80.0	54.0	39.0	25.0	14.0
STAS-489 S-V	1-1/8 ODF	(1) F-48 Filter	22.0	14.0	10.0	6.0	2.0	24.0	16.0	12.0	7.0	3.0
STAS-4811 S-V	1-3/8 ODF	(1) F-48 Filter	28.0	17.0	12.0	7.0	3.0	31.0	19.0	14.0	9.0	4.0
STAS-4813 S-V	1-5/8 ODF	(1) F-48 Filter	35.0	20.0	15.0	8.0	4.0	39.0	23.0	18.0	10.0	5.0
STAS-4817 S-V	2-1/8 ODF	(1) F-48 Filter	47.0	30.0	20.0	10.0	5.0	52.0	34.0	24.0	12.0	7.0
STAS-4821 S-V	2-5/8 ODF	(1) F-48 Filter	60.0	40.0	25.0	15.0	7.0	67.0	46.0	30.0	19.0	9.0
STAS-9617 S-V	2-1/8 ODF	(2) F-48 Filter	50.0	30.0	20.0	12.0	6.0	56.0	34.0	24.0	15.0	8.0
STAS-9621 S-V	2-5/8 ODF	(2) F-48 Filter	70.0	43.0	28.0	17.0	8.0	78.0	49.0	34.0	21.0	11.0
STAS-489 S-V	1-1/8 ODF	(1) 48 cu in Core	15.0	9.0	7.0	4.0	1.0	17.0	10.0	8.0	5.0	1.0
STAS-4811 S-V	1-3/8 ODF	(1) 48 cu in Core	18.0	11.0	8.0	5.0	2.0	20.0	13.0	10.0	6.0	3.0
STAS-4813 S-V	1-5/8 ODF	(1) 48 cu in Core	23.0	13.0	10.0	6.0	3.0	26.0	15.0	12.0	7.0	4.0
STAS-4817 S-V	2-1/8 ODF	(1) 48 cu in Core	31.0	20.0	13.0	7.0	3.0	35.0	23.0	16.0	9.0	4.0
STAS-4821 S-V	2-5/8 ODF	(1) 48 cu in Core	40.0	27.0	17.0	10.0	5.0	45.0	31.0	21.0	12.0	7.0
STAS-9617 S-V	2-1/8 ODF	(2) 48 cu in Core	33.0	20.0	13.0	8.0	4.0	37.0	23.0	16.0	10.0	5.0
STAS-9621 S-V	2-5/8 ODF	(2) 48 cu in Core	47.0	28.0	18.0	11.0	6.0	52.0	32.0	22.0	14.0	8.0
STAS-969	1-1/8 ODF	(2) 48 cu in Core										
STAS-1927/5 T	7/8X5/8 ODF	(4) 48 cu in Core										
STAS-4811 S-V	1-3/8 ODF	(1) 48 cu in Core	18.0	11.0	8.0	5.0	2.0	20.0	13.0	10.0	6.0	3.0
STAS-4813 T	1-5/8 ODF	(1) 48 cu in Core	23.0	13.0	10.0	6.0	3.0	26.0	15.0	12.0	7.0	4.0
STAS-9617 T	2-1/8 ODF	(2) 48 cu in Core	33.0	20.0	13.0	8.0	4.0	37.0	23.0	16.0	10.0	5.0
STAS-9617 V	2-1/8 ODF	(2) 48 cu in Core	33.0	20.0	13.0	8.0	4.0	37.0	23.0	16.0	10.0	5.0

[1] All ratings in accordance with ARI Standard 730-04.

[2] Example: 1.0 tons x 3.5 = 3.5 kW

Take-A-Part Suction Line Filter-Drier Flow Capacties

Description	Connections	Filter-Drier Cartridge	Flow Capacity In Tons Refrigerant[1] (For kW, Multiply Tons By 3.5)[2]									
			R-502					R-404A/R-507				
			Evaporator Temperature (°F)									
			40	20	0	-20	-40	40	20	0	-20	-40
			Pressure Drop (PSI)									
			3	2	1.5	1	0.5	3	2	1.5	1	0.5
ADKS 30013T	1-5/8 ODF	(3) F-100 Filter	38.0	24.0	16.0	9.9	5.2	37.0	24.0	16.0	10.0	5.5
ADKS 30017T	2-1/8 ODF	(3) F-100 Filter	64.0	40.0	27.0	17.0	8.9	62.0	40.0	27.0	18.0	9.4
ADKS 40017T	2-1/8 ODF	(4) F-100 Filter	68.0	43.0	28.0	17.0	9.2	66.0	43.0	29.0	18.0	9.8
ADKS 40021T	2-5/8 ODF	(4) F-100 Filter	102.0	64.0	43.0	27.0	14.0	99.0	64.0	43.0	28.0	15.0
ADKS 30013T	1-5/8 ODF	(3) 100 cu in Core	30.0	19.0	12.0	7.7	4.1	29.0	19.0	13.0	8.0	4.3
ADKS 30017T	2-1/8 ODF	(3) 100 cu in Core	47.0	30.0	20.0	12.0	6.4	46.0	30.0	20.0	13.0	6.8
ADKS 40017T	2-1/8 ODF	(4) 100 cu in Core	51.0	32.0	22.0	13.0	7.0	49.0	32.0	22.0	14.0	7.4
ADKS 40021T	2-5/8 ODF	(4) 100 cu in Core	74.0	47.0	31.0	19.0	10.0	72.0	47.0	32.0	20.0	11.0
BTAS-27 S-V	7/8 ODF	A2F Filter	7.4	4.6	3.1	1.8	0.9	7.2	4.6	3.1	1.9	1.0
BTAS-39 S-V	1-1/8 ODF	A3F Filter	11.0	7.0	4.7	2.8	1.4	11.0	7.0	4.7	2.9	1.5
BTAS-311 S-V	1-3/8 ODF	A3F Filter	12.0	7.8	5.2	3.1	1.6	12.0	7.8	5.2	3.2	1.7
BTAS-313 S-V	1-5/8 ODF	A3F Filter	20.0	12.0	8.2	5.0	2.5	19.0	12.0	8.3	5.2	2.7
BTAS-317 S-V	2-1/8 ODF	A3F Filter	25.0	15.0	10.0	6.1	3.1	24.0	15.0	10.0	6.3	3.3
BTAS-411 S-V	1-3/8 ODF	A4F Filter	27.0	16.0	11.0	6.6	3.4	26.0	16.0	11.0	6.8	3.6
BTAS-413 S-V	1-5/8 ODF	A4F Filter	32.0	20.0	13.0	8.1	4.1	31.0	20.0	14.0	8.4	4.4
BTAS-417 S-V	2-1/8 ODF	A4F Filter	44.0	28.0	18.0	11.0	5.7	43.0	28.0	19.0	12.0	6.0
BTAS-421 S-V	2-5/8 ODF	A4F Filter	54.0	34.0	23.0	14.0	6.9	52.0	34.0	23.0	14.0	7.3
BTAS-517 S-V	2-1/8 ODF	A5F Filter	54.0	33.0	22.0	13.0	6.8	52.0	33.0	22.0	14.0	7.2
BTAS-521 S-V	2-5/8 ODF	A5F Filter	70.0	44.0	29.0	18.0	9.0	68.0	44.0	29.0	18.0	9.6
BTAS-525 S-V	3-1/8 ODF	A5F Filter	87.0	54.0	36.0	22.0	11.0	84.0	54.0	36.0	23.0	12.0
BTAS-25 S-V	5/8 ODF	A2F-D Filter-Drier	3.9	2.4	1.6	1.0	0.5	3.8	2.4	1.6	1.0	0.5
BTAS-27 S-V	7/8 ODF	A2F-D Filter-Drier	6.3	3.9	2.6	1.5	0.8	6.1	3.9	2.6	1.6	0.9
BTAS-39 S-V	1-1/8 ODF	A3F-D Filter-Drier	8.1	5.1	3.4	2.0	1.0	7.9	5.1	3.4	2.1	1.1
BTAS-311 S-V	1-3/8 ODF	A3F-D Filter-Drier	11.0	7.1	4.8	2.9	1.5	11.0	7.1	4.8	3.0	1.6
BTAS-313 S-V	1-5/8 ODF	A3F-D Filter-Drier	16.0	10.0	6.7	4.1	2.1	16.0	10.0	6.8	4.2	2.2
BTAS-317 S-V	2-1/8 ODF	A3F-D Filter-Drier	19.0	12.0	7.9	4.8	2.4	19.0	12.0	8.0	5.0	2.6
BTAS-411 S-V	1-3/8 ODF	A4F-D Filter-Drier	24.0	15.0	10.0	5.9	3.0	23.0	15.0	10.0	6.1	3.2
BTAS-413 S-V	1-5/8 ODF	A4F-D Filter-Drier	25.0	15.0	10.0	6.1	3.1	24.0	15.0	10.0	6.3	3.3
BTAS-417 S-V	2-1/8 ODF	A4F-D Filter-Drier	36.0	22.0	15.0	9.0	4.6	35.0	22.0	15.0	9.3	4.9
BTAS-421 S-V	2-5/8 ODF	A4F-D Filter-Drier	37.0	23.0	15.0	9.2	4.7	36.0	23.0	15.0	10.0	5.0
BTAS-517 S-V	2-1/8 ODF	A5F-D Filter-Drier	42.0	27.0	18.0	11.0	4.7	41.0	27.0	18.0	11.0	5.0
BTAS-521 S-V	2-5/8 ODF	A5F-D Filter-Drier	52.0	32.0	22.0	13.0	6.6	50.0	32.0	22.0	13.0	7.0
BTAS-525 S-V	3-1/8 ODF	A5F-D Filter-Drier	61.0	38.0	25.0	15.0	7.8	59.0	38.0	25.0	16.0	8.3
STAS-489 S-V	1-1/8 ODF	(1) F-48 Filter	21.0	12.0	8.0	5.0	3.0	20.0	12.0	8.0	5.0	3.0
STAS-4811 S-V	1-3/8 ODF	(1) F-48 Filter	15.0	15.0	10.0	6.0	4.0	15.0	15.0	10.0	6.0	4.0
STAS-4813 S-V	1-5/8 ODF	(1) F-48 Filter	31.0	18.0	11.0	7.0	5.0	30.0	18.0	11.0	7.0	5.0
STAS-4817 S-V	2-1/8 ODF	(1) F-48 Filter	41.0	25.0	15.0	9.0	7.0	40.0	25.0	15.0	9.0	7.0
STAS-4821 S-V	2-5/8 ODF	(1) F-48 Filter	57.0	30.0	20.0	12.0	8.0	55.0	30.0	20.0	12.0	8.0
STAS-9617 S-V	2-1/8 ODF	(2) F-48 Filter	41.0	25.0	15.0	10.0	7.0	40.0	25.0	15.0	10.0	7.0
STAS-9621 S-V	2-5/8 ODF	(2) F-48 Filter	62.0	35.0	25.0	14.0	9.0	60.0	35.0	25.0	15.0	10.0
STAS-489 S-V	1-1/8 ODF	(1) 48 cu in Core	13.0	8.0	6.0	4.0	2.0	13.0	8.0	6.0	4.0	2.0
STAS-4811 S-V	1-3/8 ODF	(1) 48 cu in Core	18.0	10.0	6.0	4.0	3.0	17.0	10.0	6.0	4.0	3.0
STAS-4813 S-V	1-5/8 ODF	(1) 48 cu in Core	21.0	12.0	7.0	5.0	4.0	20.0	12.0	7.0	5.0	4.0
STAS-4817 S-V	2-1/8 ODF	(1) 48 cu in Core	28.0	17.0	10.0	6.0	5.0	27.0	17.0	10.0	6.0	5.0
STAS-4821 S-V	2-5/8 ODF	(1) 48 cu in Core	38.0	20.0	13.0	8.0	6.0	37.0	20.0	13.0	8.0	6.0
STAS-9617 S-V	2-1/8 ODF	(2) 48 cu in Core	28.0	17.0	11.0	7.0	5.0	27.0	17.0	11.0	7.0	5.0
STAS-9621 S-V	2-5/8 ODF	(2) 48 cu in Core	41.0	23.0	17.0	10.0	7.0	40.0	23.0	17.0	10.0	7.0
STAS-969	1-1/8 ODF	(2) 48 cu in Core										
STAS-1927/5 T	7/8X5/8 ODF	(4) 48 cu in Core										
STAS-4811 S-V	1-3/8 ODF	(1) 48 cu in Core	18.0	10.0	6.0	4.0	3.0	17.0	10.0	6.0	4.0	3.0
STAS-4813 T	1-5/8 ODF	(1) 48 cu in Core	21.0	12.0	7.0	5.0	4.0	20.0	12.0	7.0	5.0	4.0
STAS-9617 T	2-1/8 ODF	(2) 48 cu in Core	28.0	17.0	11.0	7.0	5.0	27.0	17.0	11.0	7.0	5.0
STAS-9617 V	2-1/8 ODF	(2) 48 cu in Core	28.0	17.0	11.0	7.0	5.0	27.0	17.0	11.0	7.0	5.0

[1] All ratings in accordance with ARI Standard 730-04.

[2] Example: 1.0 tons x 3.5 = 3.5 kW