

DRY FILTER

Series



100% 3A filter cartridge with powerful drying capacity, not mutual mobile, avoid the powder production

With a filter fineness of 25 μm . Corrosion resistant powder coating finish is applicable to various environments. Threaded connection and welded connection is normal design and customer design is available. Could be mounted in any desirable direction.

BFK Bidirectional Dry Filter

Product Description

- BFK bidirectional dry filter is used on the liquid piping of refrigeration and air conditioning unit to dry refrigerant (absorb water from system) and filter the solid from system in order to protect the refrigeration and air conditioning system for an efficient and safety operation.
- Model BFK bidirectional dry filter is composed of 80% 3A molecular sieve & 20% active aluminum with 25um filter cartridge.
- The filter core of 80% molecular sieve & 20% active aluminum can be used be for HFC and HCFC refrigerants and synthesized polyester oil (POE or PAG) system.



Features

- Filter cartridge of 80% 3A molecular sieve and 20% active aluminum filter cartridge presents powerful drying capacity and powerful deacidification capacity.
- With a filter fineness of 25 µm. Corrosion resistant powder coating finish is

applicable to various environments. Threaded connection and welded connection is normal design and customer design is available. Could be mounted in any desirable direction.

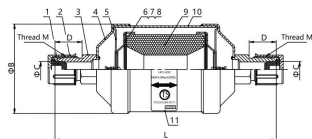
Configuration

- Thread:
- 1.rubber plug
 - 2.thread cap
 - 3.steel connector
 - 4.end cap
 - 5.circuit change valve
 - 6.filter nut
 - 7.fine filter
 - 8.filter pad
 - 9.solid filter cartridge
 - 10.barrel
 - 11.label

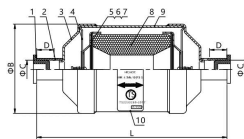
- Soldering:
- 1.rubber plug
 - 2.welding pipe
 - 3.end cap
 - 4.circuit change valve
 - 5.filter nut
 - 6.fine filter
 - 7.filter pad
 - 8.solid filter cartridge
 - 9.barrel
 - 10.label

Technical Parameters

Applicable Refrigerant:	HCFC, HFC
Applicable Medium Temperature:	-40℃~+120℃
Maximum Working Pressure	4.5MPa
Maximum Test Pressure	6.75MPa



Thread



Product Model			
Thread			
Model		Size	
BFK-083	BFK-163	BFK-303	3/8 SAE
BFK-084	BFK-164	BFK-304	1/2 SAE
BFK-085	BFK-165	BFK-305	5/8 SAE
---	---	BFK-306	3/4 SAE
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Product Model			
Soldering			
Model		Size	
BFK-083S	BFK-163S	BFK-303S	3/8 ODF
BFK-084S	BFK-164S	BFK-304S	1/2 ODF
BFK-085S	BFK-165S	BFK-305S	5/8 ODF
---	---	BFK-306S	3/4 ODF
---	---	BFK-307S	7/8 ODF
---	---	BFK-309S	1-1/8 ODF

SAE Flare connection

型号 Model	接口 Connection	ΦB	ΦC	D	L	S	螺纹 Thread M
BFK-083	3/8 SAE	Φ66.5	Φ8	17	158	16	5/8-18UNF
BFK-084	1/2 SAE	Φ66.5	Φ10	19	165	19	3/4-16UNF
BFK-085	5/8 SAE	Φ66.5	Φ13	23.5	176	22	7/8-14UNF
BFK-163	3/8 SAE	Φ79	Φ8	17	170	16	5/8-18UNF
BFK-164	1/2 SAE	Φ79	Φ10	19	179	19	3/4-16UNF
BFK-165	5/8 SAE	Φ79	Φ13	23.5	186	22	7/8-14UNF
BFK-303	3/8 SAE	Φ79	Φ8	17	245	16	5/8-18UNF
BFK-304	1/2 SAE	Φ79	Φ10	19	254	19	3/4-16UNF
BFK-305	5/8 SAE	Φ79	Φ13	23.5	261	22	7/8-14UNF
BFK-306	3/4 SAE	Φ79	Φ16	25	265	27	1-1/16-14UNS

ODF Welding connection

型号 Model	接口 Connection	ΦB	ΦC	D	L
BFK-083S	3/8 ODF	Φ66.5	Φ9.7	9	141
BFK-084S	1/2 ODF	Φ66.5	Φ12.8	11	149
BFK-085S	5/8 ODF	Φ66.5	Φ16.1	11	149
BFK-163S	3/8 ODF	Φ79	Φ9.7	9	153
BFK-164S	1/2 ODF	Φ79	Φ12.8	11	161
BFK-165S	5/8 ODF	Φ79	Φ16.1	11	161
BFK-303S	3/8 ODF	Φ79	Φ9.7	9	228
BFK-304S	1/2 ODF	Φ79	Φ12.8	11	236
BFK-305S	5/8 ODF	Φ79	Φ16.1	11	236
BFK-306S	3/4 ODF	Φ79	Φ19.1	12	241
BFK-307S	7/8 ODF	Φ79	Φ22.3	15	247
BFK-309S	1-1/8 ODF	Φ79	Φ28.7	16	256

Model DFS Dry Filter

Product Description

- Model DFS dry filter is used on the liquid piping of refrigeration and air conditioning unit to dry refrigerant (absorb water from system) and filter the solid from system in order to protect the refrigeration and air conditioning system for an efficient and safety operation.
- Model DFS dry filter is composed of 100% 3A molecular sieve and 25um filter cartridge.
- Model DFS dry filter's molecular sieve is 100% 3A solid filter cartridge. This solid filter is used for HFC and HCFC refrigerants and synthesized polyester oil (POE or PAG) system.



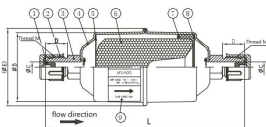
Features

- 100% 3A filter cartridge with powerful drying capacity, not mutual mobile, avoid the powder production.
- With a filter fineness of 25 µm. Corrosion resistant powder coating

finish is applicable to various environments. Threaded connection and welded connection is normal design and customer design is available. Could be mounted in any desirable direction.

Configuration

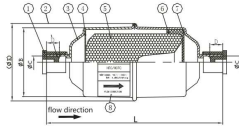
- Thread:
- 1.rubber plug
 - 2.thread cap
 - 3.steel connector
 - 4.steel cup
 - 5.barrier
 - 6.solid filter cartridge
 - 7.filter pad
 - 8.filter net
 - 9.label
- Soldering:
- 1.rubber plug hat
 - 2.welding pipe
 - 3.steel cup
 - 4.barrier
 - 5.solid filter cartridge
 - 6.filter pad
 - 7.filter net
 - 8.label



Flare

Technical Parameters

Applicable Refrigerant:	HFC, HFC
Applicable Medium Temperature:	-40°C~+120°C
Maximum Working Pressure	4.5MPa
Maximum Test Pressure	6.75MPa



Welding

Product Model					
Flare					
Model				Size	
DFS-052	---	---	---	1/4 SAE	
DFS-053	DFS-083	DFS-163	---	3/8 SAE	
---	DFS-084	DFS-164	DFS-304	1/2 SAE	
---	DFS-085	DFS-165	DFS-305	5/8 SAE	
---	---	---	DFS-306	3/4 SAE	
---	---	---	---	---	

Product Model					
Welding					
Model				Size	
DFS-052S	-----	-----	-----	1/4ODF	
DFS-053S	DFS-083S	DFS-163S	-----	3/8ODF	
-----	DFS-084S	DFS-164S	DFS-304S	1/2ODF	
-----	DFS-085S	DFS-165S	DFS-305S	5/8ODF	
-----	-----	-----	DFS-306S	3/4ODF	
-----	-----	-----	DFS-307S	7/8ODF	
-----	-----	-----	DFS-309S	1-1/8ODF	

SAE Flare connection

型号 Model	接口Connection	ΦB	ΦC	D	ΦE	L	S	螺纹 Thread M
DFS-032	1/4 SAE	Φ43	Φ4.8	14	Φ46	110	14	7/16-20UNF
DFS-033	3/8 SAE	Φ43	Φ8	17	Φ46	119	16	5/8-18UNF
DFS-052	1/4 SAE	Φ54	Φ4.8	14	Φ57	118	14	7/16-20UNF
DFS-053	3/8 SAE	Φ54	Φ8	17	Φ57	127	16	5/8-18UNF
DFS-083	3/8 SAE	Φ54	Φ8	17	Φ57	152	16	5/8-18UNF
DFS-084	1/2 SAE	Φ54	Φ10	19	Φ57	159	19	3/4-16UNF
DFS-085	5/8 SAE	Φ54	Φ13	23.5	Φ57	170	22	7/8-14UNF
DFS-163	3/8 SAE	Φ75	Φ8	17	Φ79	159	16	5/8-18UNF
DFS-164	1/2 SAE	Φ75	Φ10	19	Φ79	166	19	3/4-16UNF
DFS-165	5/8 SAE	Φ75	Φ13	23.5	Φ79	177	22	7/8-14UNF
DFS-304	1/2 SAE	Φ79	Φ10	19	Φ79	256	19	3/4-16UNF
DFS-305	5/8 SAE	Φ79	Φ13	23.5	Φ79	267	22	7/8-14UNF
DFS-306	3/4 SAE	Φ79	Φ16	25	Φ79	268	27	1-1/8-UNS

ODF Welding connection

型号 Model	接口 Connection	ΦB	ΦC	D	ΦE	L
DFS-032S	1/4 ODF	Φ43	Φ6.5	8	Φ46	99
DFS-033S	3/8 ODF	Φ43	Φ9.7	9	Φ46	101
DFS-052S	1/4 ODF	Φ54	Φ6.5	8	Φ57	107
DFS-053S	3/8 ODF	Φ54	Φ9.7	9	Φ57	109
DFS-083S	3/8 ODF	Φ54	Φ9.7	9	Φ57	134
DFS-084S	1/2 ODF	Φ54	Φ12.8	11	Φ57	142
DFS-085S	5/8 ODF	Φ54	Φ16.1	11	Φ57	142
DFS-163S	3/8 ODF	Φ75	Φ9.7	9	Φ79	142
DFS-164S	1/2 ODF	Φ75	Φ12.8	11	Φ79	150
DFS-165S	5/8 ODF	Φ75	Φ16.1	11	Φ79	150
DFS-304S	1/2 ODF	Φ79	Φ12.8	11	Φ79	239
DFS-305S	5/8 ODF	Φ79	Φ16.1	11	Φ79	239
DFS-306S	3/4 ODF	Φ79	Φ19.1	12	Φ79	244
DFS-307S	7/8 ODF	Φ79	Φ22.3	15	Φ79	250
DFS-309S	1-1/8 ODF	Φ79	Φ28.7	16	Φ79	259

Model DFS Replaceable Dry Filter Cartridge



Product Description

• Model DFS dry filter cartridge is installed on the liquid and vapor piping, which could effectively remove any residual contaminant to protect compressor for a longer service life.

• The filter element of Model DFS dry filter cartridge is replaceable and it is capable to absorb large amount of water in the system in case the compressor motor burns up.

Features

- Removable structure for convenient installation and maintenance;
- 100 mesh outlet filter screen;
- Full pass through design to minimize pressure drop;
- Steel casing, copper pipe welded connection, high frequency welding

- Flanging structure to improve welding reliability;
- Modified Teflon new material to ensure perfect sealing;
- Outer surface applies epoxy resin coating protection.

Technical Parameters

Suitable Refrigerants	HCFC, HFC, CFC
Suitable Medium Temperature	-35°C~+70°C
Maximum Working Pressure	4.2MPa
Maximum Test Pressure	6.3MPa

Model Selection						
Type	Connections To solder ID (inch)	Number of cores	Filtering surface(㎡)	Dimensions (mm)		
				A	B	C
DFS-4855	5/8ODF	1	420	234	153	85
DFS-4865	3/4ODF			234	153	85
DFS-4875	7/8ODF			234	153	85
DFS-4895	1-1/8ODF			236	155	87
DFS-48115	1-3/8ODF			240	159	91
DFS-48135	1-5/8ODF			242	161	93
DFS-48175	2-1/8ODF			246	160	99
DFS-48215	2-5/8ODF			244	158	106
DFS-9675	7/8ODF	2	840	376	295	85
DFS-9695	1-1/8ODF			378	297	87
DFS-96115	1-3/8ODF			382	301	91
DFS-96135	1-5/8ODF			384	303	93
DFS-96175	2-1/8ODF			388	302	99
DFS-96215	2-5/8ODF			386	300	106
DFS-14495	1-1/8ODF	3	1260	520	439	87
DFS-144115	1-3/8ODF			524	443	91
DFS-144135	1-5/8ODF			526	445	93
DFS-144175	2-1/8ODF			530	444	99
DFS-144215	2-5/8ODF			528	442	106

