

Filter-Drier Shells With Quick-Cap Series FDS-24 For Liquid- and Suction Applications With Replaceable Cores

Features

- Quick-cap flange (one bolt) design makes replacing of cores in a matter of seconds
- Ideal for retrofit, reducing installation / material cost
- Ideal for refrigerant recovery / reclaim units with regular change of filter-drier
- Free volume as a receiver in FDS-24... (580 cm³)
- ODF Copper fittings for easy brazing
- Corrosion-resistant powder painting of shell body
- Temperature range TS: -45°C...+65°C
Max. allowable working pressure PS:
34.5 bar (-10°C...+65°C)
25.9 bar (-45°C...-10°C)



FDS-24

Selection Table Suction Application

Type	Part No.	Connection		Nominal Flow Capacity (kW)												
		(mm)	(inch)	Block Core S24									Filter F24			
				R134a	R22	R407C	R507/R404A	R448A	R449A	R450A	R513A	R1234ze	R134a	R22	R407C	R507/R404A
FDS-245	003 573	16	5/8	22.3	30.6	28.5	26.0	65.1	63.8	62.7	59.8	59.9	24.7	33.9	31.5	28.8
FDS-247	003 574	22	7/8	32.2	44.1	44.1	37.5	97.4	95.4	93.8	89.4	89.7	37.8	51.8	48.2	44.0
FDS-249	003 575		1 1/8	46.0	63.0	58.6	53.6	98.5	96.5	94.9	90.4	90.7	50.7	69.4	64.5	59.0
FDS-249	003 576	28		44.2	60.5	56.3	51.4	99.0	97.0	95.3	90.9	91.1	48.6	66.9	61.9	56.6

Selection Table Liquid Application

Type	Part No.	Connection Solder/ODF		Nominal Flow Capacity (kW)										
		(mm)	(inch)	Pressure Drop 0.07 bar					Pressure Drop 0.14 bar					
				R22	R134a	R507/R404A	R407C	R410A	R22	R134a	R507/R404A	R407C	R410A	
FDS-245	003 573	16	5/8	75	68	49	71	74	98	90	64	93	97	
FDS-247	003 574	22	7/8	112	102	73	107	110	151	139	99	144	149	
FDS-249	003 575		1-1/8	113	104	74	108	112	160	147	104	153	158	
FDS-249	003 576	28		114	104	74	108	112	163	150	106	156	161	

For selection of other operating condition, please use Controls Navigator selection program.

Selection Table Cores

Type	Part No.	Water Capacity in Grams at a Liquid Temperature of 24°C (52°C)			Application	Acid Adsorption Capacity (g)
		R134a	R22	R404A/R507		
S24	003 504	35.2 (32.3)	34.8 (29.5)	35.4 (32.1)	Liquid and Suction Line	8.9
W24	003 505	12.5 (9.2)	12.3 (8.9)	13.5 (10.4)	For Motor Burn-Out (Suction)	25.6
F24	003 506	- (-)	- (-)	- (-)	Filter for Suction Line	-

Note: Cores have to be ordered separately. 1 piece needed for FDS24 shell.

Accessories and Spare Parts for FDS

Description	Type	Part No.
Gasket Set	X 99967	003 716
O-Ring Set	X 99968	003 717
Core Holder	X 99969	003 718