

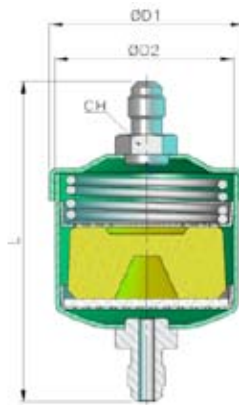
Dimensions and technical specification of molecular sieves solid core filter driers type SC

Type	Nominal volume [cm ³]	SAE flare	Solder connections				TS [°C]	PS [bar]	Dimensions [mm]				Weight [g]	Refrigeration capacity ⁽¹⁾ [kW]			Water adsorption at 25°C [gH ₂ O]			Weight of del. refrigerant at						
			[in.]		[mm]				ØD1	ØD2	L	CH		R22 R410A R407C	R134a R507	R404A	R22 R410A R407C	R134a R507	R404A	R22 R410A R407C	R134a R507					
			ODF	ODM	ODF	ODM																				
SC032MM	50	1/4"	-	-	-	-	-40 + 80 °C	45	57,5	54	103	16	285	10	8,5	7	6	6,2	6	5	6					
SC032MF		1/4"	-	-	-	-					93	16/16	283													
SC032S		-	1/4"	3/8"	-	-					95	-	261													
SC033MM		3/8"	-	-	-	-					111	16	299													
SC033S		-	3/8"	1/2"	-	-					97	-	269													
SC033M10S		-	-	-	10	12					19,5	17,5	13,5													
SC052MM	80	1/4"	-	-	-	-					45	57,5	54	116	16	343	11	9	7,5	9	10	9	9	9,5		
SC052S		-	1/4"	3/8"	-	-								107	-	319										
SC053MM		3/8"	-	-	-	-								124	16	357										
SC053S		-	3/8"	1/2"	-	-								109	-	327										
SC053M10S		-	-	-	10	12								116	-	343										
SC054S		-	1/2"	5/8"	-	16								30	27	21										
SC082MM	130	1/4"	-	-	-	-			45	57,5				54	141	16	415	12	10,5	9	15	15	14,5	15,5	15,5	
SC082S		-	1/4"	3/8"	-	-									132	-	391									
SC083MM		3/8"	-	-	-	-									149	16	429									
SC083MF		3/8"	-	-	-	-									137	20/16	425									
SC083S		-	3/8"	1/2"	-	-									134	-	399									
SC083M10S		-	-	-	10	12									157	19	461									
SC084MM		1/2"	-	-	-	-						141	-		411											
SC084S		-	1/2"	5/8"	-	16						36	33		23											
SC084M12S		-	-	-	12	14						41	-		411											
SC162MM		250	1/4"	-	-	-						-	45		77,5	74	154	16	776	14	11	9,5	34	40	33	37
SC162S	-		1/4"	3/8"	-	-						145					-	760								
SC163MM	3/8"		-	-	-	-						162					16	790								
SC163S	-		3/8"	1/2"	-	-	147	-		745																
SC163M10S	-		-	-	10	12	170	19		822																
SC164MM	1/2"		-	-	-	-	154	-		782																
SC164S	-		1/2"	5/8"	-	16	41	39		31																
SC164M12S	-		-	-	12	14	179	23		882																
SC165MM	5/8"		-	-	-	-	162	-		802																
SC165S	-		5/8"	3/4"	16	-	54	50		35																
SC324MM	500	1/2"	-	-	-	-	45	93		89	203	19		1650			50	48	40	60	65	58	63	63		
SC324S		-	1/2"	5/8"	-	16					187	-		1590												
SC325MM		5/8"	-	-	-	-					212	23		1710												
SC325S		-	5/8"	3/4"	16	-					195	-		1630												
SC326S		-	3/4"	7/8"	-	-					200	-		1670												
SC327S		-	7/8"	1.1/8"	-	-			73		70	52														
SC414MM	670	1/2"	-	-	-	-			45		93	89		234	19	1950	52	50	42	96	104	93	90	90		
SC414S		-	1/2"	5/8"	-	16								218	-	1900										
SC415MM		5/8"	-	-	-	-								243	23	2010										
SC415S		-	5/8"	3/4"	16	-								226	-	1930										
SC416MM		3/4"	-	-	-	-								245	27	2050										
SC416S		-	3/4"	7/8"	-	-								231	-	1970										
SC417S		-	7/8"	1.1/8"	-	-		83		78				54												
SC757S		1300	-	7/8"	1.1/8"	-		-		392				-	3500	139	131	91	167	194	173	153	153			

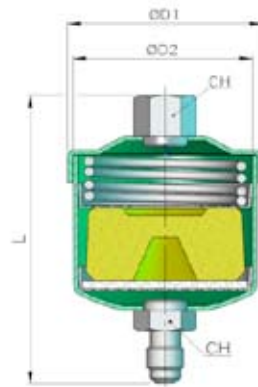
APPLICATIONS: The 100% molecular sieves solid core filter driers are suitable for use with fluids proper to the Group II, as defined in Article 9, Section 2.2 of Directive 97/23/EC, therefore not toxic, not inflammable and not explosive fluids; to this macro Group II belong also the refrigerant fluids listed and classified L1 in Annex E of standard EN 378-1:2003. These filters driers are designed, in particular, for HFC fluids and POE, PAG oils.

CONSTRUCTION: The filters are completely made of steel, UNI EN 10130 – FeP04. Body and head are TIG welding for having a unique structure. The solid core, not replaceable, is formed by a very compact molecular sieves block, this one and the polyester mat offer a high degree of mechanical filtration. This design ensure that the fluid encounters a minimum strength and efficient dehydration. The production range includes types with nickel-plated Flare threaded connections and copper plated solder connections.

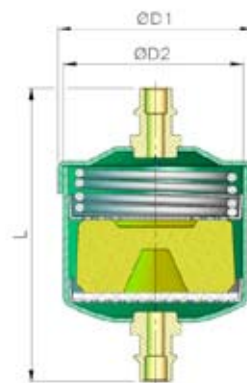
Dehydratable at 25°C [kg]	Water adsorption at 50°C [gH ₂ O]				Weight of dehydratable refrigerant at 50°C [kg]				Category according to 97/23/CE PED
	R404A	R22 R410A R407C	R134a R507	R404A	R22 R410A R407C	R134a R507	R404A		
6	5	5,3	5	4,5	5,5	5	Art. 3.3		
9	8	8	7,5	8	8	7			
15	14	14	13,5	14	14	13			
35	31,5	33,5	30	31	32	28			
58	52	56	48	53	60	50			
80	84	100	77	84	85	60			
131	144	185	142	134	145	112			



SC.. MM



SC.. MF



SC.. S

Note:

(1) Maximum values of refrigerating capacity at which correspond a total 0,07bar pressure drop, with condensation at 30°C and evaporation at -15°C according to ARI STANDARD 710:86.