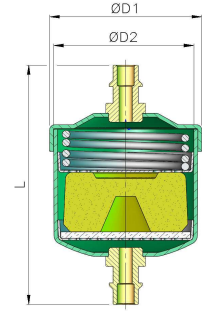
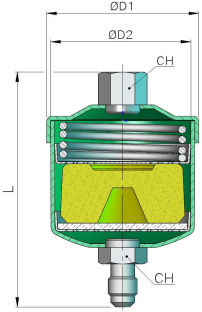
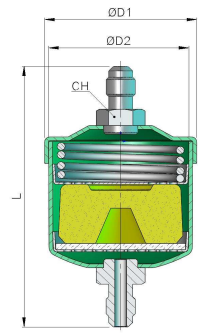


## Solid core filter driers SC



DIMENSIONS AND TECHNICAL CHARACTERISTICS OF THE SOLID CORE FILTER DRIERS SC

Type	Nominal volume [cm <sup>3</sup> ]	SAE flare	Solder connections				TS [°C]	PS [bar]	Dimension [mm]				Weight [g]	Refrigeration capacity <sup>(1)</sup> [kW]			Water adsorption at 25°C [gH <sub>2</sub> O]			Weight of dehydratable refrigerant at 25°C [kg]			Water adsorption at 50°C [gH <sub>2</sub> O]			Weight of dehydratable refrigerant at 50°C [kg]			Category according to 97/23/CE PED																															
			[in.]		[mm]				ØD1	ØD2	L	CH		R22 R410A R407C	R134a R507	R404A	R22 R410A R407C	R134a R507	R404A	R22 R410A R407C	R134a R507	R404A	R22 R410A R407C	R134a R507	R404A																																			
			ODF	ODM	ODF	ODM																																																						
SC032MM	50	1/4"	-	-	-	-	45	57,5	54	103	16	285	10	8,5	7	6	6,2	6	5	6	6	5	5,3	5	4,5	5,5	5	Art. 3.3																																
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	-				-	-																																																	
SC052MM	80	1/4"	-	-	-	-				45	57,5	54	116	16	343														11	9	7,5	9	10	9	9	9,5	9	8	8	7,5	8	8	7	Art. 3.3																
SC052S		-	1/4"	3/8"	-	-							107	-	319																																													
SC053MM		3/8"	-	-	-	-							124	16	357																																													
SC053S		-	3/8"	1/2"	-	-							109	-	327																																													
SC053M10S		-	-	-	10	12							-	-	-																																													
SC054S	-	1/2"	5/8"	-	16	116							-	343																																														
SC082MM	130	1/4"	-	-	-	-							45	57,5	54														141	16	415														12	10,5	9	15	15	14,5	15,5	15,5	15	14	14	13,5	14	14	13	Art. 3.3
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	-	-	-																																																				
SC084MM	1/2"	-	-	-	-	157	19	461																																																				
SC084S	-	1/2"	5/8"	-	16	141	-	411																																																				
SC084M12S	-	-	-	12	14	-	-	-																																																				
SC162MM	250	1/4"	-	-	-	-	45	77,5	74	154	16	776				14	11	9,5	34	40	33	37	42	35	31,5	33,5	30	31	32	28	Art. 3.3																													
SC162S		-	1/4"	3/8"	-	-				145	-	760																																																
SC163MM		3/8"	-	-	-	-				162	16	790																																																
SC163S		-	3/8"	1/2"	-	-				147	-	745																																																
SC163M10S		-	-	-	10	12				-	-	-																																																
SC164MM	1/2"	-	-	-	-	170				19	822																																																	
SC164S	-	1/2"	5/8"	-	16	154				-	782																																																	
SC164M12S	-	-	-	12	14	-				-	-																																																	
SC165MM	5/8"	-	-	-	-	179				23	882																																																	
SC165S	-	5/8"	3/4"	16	-	162				-	802																																																	
SC324MM	500	1/2"	-	-	-	-				45	93	89	203	19	1650	50	48	40														60	65	58	63	63	58	52	56	48	53	60	50	Art. 3.3																
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"	-	-	-	-	-																																																				
SC414MM	670	1/2"	-	-	-	-	45	93	89				234	19	1950	52	50	42	96	104	93	90	90	80	84	100	77	84	85	60	Art. 3.3																													
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"	-	-	-							-	-																																														
SC757S	1300	-	7/8"	1.1/8"	-	-							-	-	392	-	3500	139																											131	91	167	194	173	153	153	131	144	185	142	134	145	112	-	



**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 belongs also the refrigerant fluids listed and classified L1 in Annex E of standard EN 378-1:2003. These filter driers are designed, in particular, for HFC fluids and POE, PAG oils.

**CONSTRUCTION:** The filters are completely manufactured in steel, UNI EN 10130 – FeP04. Body and head are TIG welding in a monolithic structure. The solid core, not replaceable, is formed by a very compact molecular sieves block, this one and polyester mat offers 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

**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.