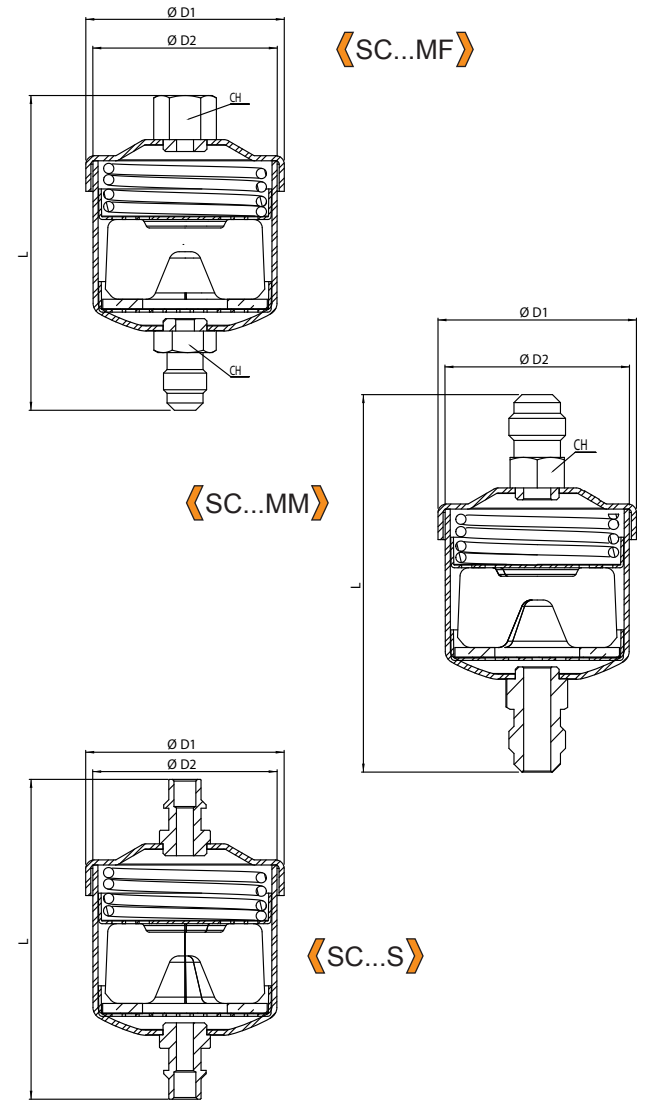


# MOLELCULAR SIEVES SOLID-CORE FILTER DRIER



## dimensions and technical description

Type	Nominal volume [cm <sup>3</sup> ]	SAE Flare	Solder connections				TS [°C]	PS [bar]	Dimensions [mm]				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 97/23/CE PED	Weight [g]	Pieces per box			
			ODF	ODM	ODF	ODM			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									
SC032MM	50	1/4"	-	-	-	-	-40 + 80 °C	45	57,5	54	103	16	10	8,5	7	6	6,2	6	5	6	5	5,3	5	4,5	5,5	5	Art. 3.3	285	32				
SC032MF		1/4"	-	-	-	-					93	16/16																					
SC032S		-	1/4"	3/8"	-	-					95	-																					
SC033MM		3/8"	-	-	-	-					111	16																					
SC033S		-	3/8"	1/2"	-	-					97	-																					
SC033M10S		-	-	-	10	12					-	-																		19,5	17,5	13,5	
SC052MM	80	1/4"	-	-	-	-	-40 + 80 °C	45	57,5	54	116	16	11	9	7,5	9	10	9	9	9,5	9	8	8	7,5	8	8	7	Art. 3.3	343	32			
SC052S		-	1/4"	3/8"	-	-					107	-																					
SC053MM		3/8"	-	-	-	-					124	16																					
SC053S		-	3/8"	1/2"	-	-					109	-																					
SC053M10S		-	-	-	10	12					-	-																			23	21	16
SC054S		-	1/2"	5/8"	-	16					116	-																			30	27	21
SC082MM	130	1/4"	-	-	-	-	-40 + 80 °C	45	57,5	54	141	16	12	10,5	9	15	15	14,5	15,5	15,5	15	14	14	13,5	14	14	13	Art. 3.3	415	26			
SC082S		-	1/4"	3/8"	-	-					132	-																					
SC083MM		3/8"	-	-	-	-					149	16																					
SC083MF		3/8"	-	-	-	-					137	20/16																					
SC083S		-	3/8"	1/2"	-	-					134	-																					
SC083M10S		-	-	-	10	12					-	-																			27	25	17
SC084MM		1/2"	-	-	-	-					157	19																					
SC084S		-	1/2"	5/8"	-	16					141	-																			36	33	23
SC084M12S		-	-	-	12	14					-	-																			36	33	23
SC162MM		250	1/4"	-	-	-					-	-40 + 80 °C																			45	77,5	74
SC162S	-		1/4"	3/8"	-	-	145	-																									
SC163MM	3/8"		-	-	-	-	162	16																									
SC163S	-		3/8"	1/2"	-	-	147	-																									
SC163M10S	-		-	-	10	12	-	-	31	29	20																						
SC164MM	1/2"		-	-	-	-	170	19																									
SC164S	-		1/2"	5/8"	-	16	154	-	41	39	31																						
SC164M12S	-		-	-	12	14	-	-	41	39	31																						
SC165MM	5/8"		-	-	-	-	179	23																									
SC165S	-		5/8"	3/4"	16	-	162	-	54	50	35																						
SC324MM	500	1/2"	-	-	-	-	-40 + 80 °C	45	77,5	74	203	19	50	48	40	60	65	58	63	63	58	52	56	48	53	60	50	Art. 3.3	1650	6			
SC324S		-	1/2"	5/8"	-	16					187	-																					
SC325MM		5/8"	-	-	-	-					212	23																					
SC325S		-	5/8"	3/4"	16	-					195	-																					
SC326S		-	3/4"	7/8"	-	-					200	-																					
SC327S		-	7/8"	1.1/8"	-	-					-	-																			65	63	46
SC414MM	670	1/2"	-	-	-	-	-40 + 80 °C	45	93	89	234	19	52	50	42	96	104	93	90	90	80	84	100	77	84	85	60	Art. 3.3	1950	6			
SC414S		-	1/2"	5/8"	-	16					218	-																					
SC415MM		5/8"	-	-	-	-					243	23																					
SC415S		-	5/8"	3/4"	16	-					226	-																					
SC416MM		3/4"	-	-	-	-					245	27																					
SC416S		-	3/4"	7/8"	-	-					231	-																					
SC417S		-	7/8"	1.1/8"	-	-					-	-																			75	70	48
SC417S		-	7/8"	1.1/8"	-	-					-	-																			83	78	54
SC757S	1300	-	7/8"	1.1/8"	-	-	-	392	-	139	131	91	167	194	173	153	153	131	144	185	142	134	145	112	cat. I	3500	1						



**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 378-1:2008. 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 in a monolithic structure. The solid core, not replaceable, is formed by a very compact molecular sieves block, this one and polyester felt offer a high degree of mechanical filtration. This design ensure that the fluid face 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.