Dimensions and technical specification of the molecular sieves filter driers type MSD

Type	Nominal volume [cm^3]	SAE flare	Solder connections [in.]		[mm]		TS [°C]	PS [bar]	Dimensions [mm]				Weight [g]	Refrigeration capacity [1] [kW]			Water adsorption at 25°C [gH_2O]			Weight of de refrigerant c	
			ODF	ODM	ODF	ODM			ØD1	ØD2	L	CH		R22 R407C	R134a	R404A	R22 R407C	R134a	R404A	R22 R407C	R13
MSD032MM	50	1/4"	-	-	-	-	-40 ÷ 80 °C	45	57,5	54	103	16	285	6,2	6	4	7	7,5	7	6,5	7
MSD032MF		1/4"	-	-	-	-					93	16/16	283								
MSD032S		-	1/4"	3/8"	-	-					95	-	261								
MSD033MM		3/8"	-	-	-	-					111	16	299	19	17	13					
MSD033S		-	3/8"	1/2"	-	-					97	-	269								
MSD033M10S		-	-	-	10	12															
MSD052MM	80	1/4"	-	-	-	-					116	16	343	7	6,6	4,4	10	11	10	9,5	10
MSD052S		-	1/4"	3/8"	-	-					107	-	319								
MSD053MM		3/8"	-	-	-	-					124	16	357	19	18	14					
MSD053S		-	3/8"	1/2"	-	-					109	-	327								
MSD053M10S		-	-	-	10	12															
MSD082MM	130	1/4"	-	-	-	-					141	16	415	8	7	5	16	16	15,5	16	16
MSD082S		-	1/4"	3/8"	-	-					132	-	391								
MSD083MM		3/8"	-	-	-	-					149	16	429	20	18,5	13					
MSD083MF		3/8"	-	-	-	-					137	20/16	425								
MSD083S		-	3/8"	1/2"	-	-					134	-	399								
MSD083M10S		-	-	-	10	12															
MSD084MM		1/2"	-	-	-	-					157	19	461	29	26	20					
MSD084S		-	1/2"	5/8"	-	16					141	-	411								
MSD084M12S		-	-	-	12	14															
MSD162MM	250	1/4"	-	-	-	-			77,5	74	154	16	776	10	9	7	37	45	36,5	40	45
MSD162S		-	1/4"	3/8"	-	-					145	-	760								
MSD163MM		3/8"	-	-	-	-					162	16	790	26	25	19					
MSD163S		-	3/8"	1/2"	-	-					147	-	745								
MSD163M10S		-	-	-	10	12															
MSD164MM		1/2"	-	-	-	-					170	19	822	39	37	30					
MSD164S		-	1/2"	5/8"	-	16					154	-	782								
MSD164M12S		-	-	-	12	14															
MSD165MM		5/8"	-	-	-	-					179	23	882	49	45	32					
MSD165S		-	5/8"	3/4"	16	-					162	-	802								
MSD324MM	500	1/2"	-	-	-	-			93	89	203	19	1650	49	46	33	70	70	65	66	66
MSD324S		-	1/2"	5/8"	-	16					187	-	1590								
MSD325MM		5/8"	-	-	-	-					212	23	1710	55	54	37					
MSD325S		-	5/8"	3/4"	16	-					195	-	1630								
MSD414MM	670	1/2"	-	-	-	-					234	19	1950	51	48	35	112	112	104	95	95
MSD414S		-	1/2"	5/8"	-	16					218	-	1900								
MSD415MM		5/8"	-	-	-	-					243	23	2010	57	55	40					
MSD415S		-	5/8"	3/4"	16	-					226	-	1930								
MSD416MM		3/4"	-	-	-	-					245	27	2050	66	63	43					
MSD416S		-	3/4"	7/8"	-	-					231	-	1970								
MSD417S		-	7/8"	1.1/8"	-	-								75	70	45					

APPLICATIONS: The molecular sieves 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.

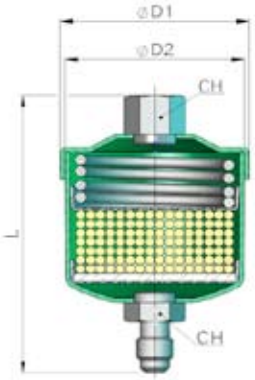
CONSTRUCTION: The filters are completely manufactured in steel, UNI EN 10130 – FeP04. Body and head are TIG welding for having a unique structure containing the loose molecular sieves.There is also a pair of strainers ,before and after the sieves for having also a perfect mechanical filtration. The production range includes types with nickel-plated Flare threaded connections and copper plated solder connections.

ehydratable at 25°C [kg]		Water adsorption at 50°C [gH_2O]			Weight of dehydratable refrigerant at 50°C [kg]			Category according to 97/23/CE PED
4a	R404A	R22 R407C	R134a	R404A	R22 R407C	R134a	R404A	
	6,5	6	7	6	5,5	6	5,5	
0	9,5	9	9	8,5	8,5	8,5	7,5	
6	15,5	15	15	14,5	14,5	14,5	14	
5	38	35	40	33	35	35	32	Art. 3.3
6	60	65	65	57	63	63	52	
5	90	104	104	91	90	90	70	

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.

MSD.. MM



MSD.. MF

MSD.. S