

MF 014 Flexible Corrugated Stainless Steel Hose

Extra flexible - Close pitch

SOLAR[®]

METAL FLEX

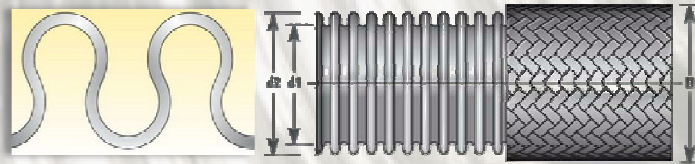
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MF 014 S00

without braiding

MF 014 S01

with single braiding



Corrugation specification:

- * Close pitch
- * Extra flexible

Technical drawings with indicated dimension are available for each diameter on request.

Available types:

- * MF014 S00 without braiding
- * MF014 S01 with single braiding

Material of Hose:

Non-corroding austenitic steel due to DIN EN 10088-2, blank
 * DN6 to DN50:
 Standard material 1.4404 (AISI 316L)
 Different materials on request

Material of Braiding:

- * Material 1.4301 (AISI 304)

Temperature Range:

-270 °C to max. 600 °C
 (valid for the hose)

Quality inspection:

The corrugated stainless steel hose is inspected due to the DIN EN ISO 10380 standard.

Operating Pressure:

The specification of the operating pressure follows the DIN EN ISO 10380 standard. The operating pressures at 20 °C have been determined in consideration of a safety coefficient of 4. The sheet shows the nominal pressure and working pressure.



MF014 Close pitch		Dimensions			Bend Radius		Working Pressure	Nominal Pressure	Weight	
DN	Type	d1	d2	Tolerans d1 d2 D	Static	Dynamic	Bar / at 20°C	ISO 10380	± 10%	
			D							r min [mm]
[mm]	[inch]	[mm]	[mm]	[mm]	r min [mm]	r min [mm]	[bar]	[PN]	[kg/m]	
6	1/4"	MF 014 S00 MF 014 S01	6,2	9,9	± 0,2	20	70	16	16	0,095
				11,0				150	150	0,165
8	5/16"	MF 014 S00 MF 014 S01	8,2	12,6	± 0,2	25	90	12	10	0,116
				13,9				170	150	0,238
10	3/8"	MF 014 S00 MF 014 S01	10,1	14,5	± 0,2	30	100	7	6	0,128
				15,9				130	100	0,282
12	1/2"	MF 014 S00 MF 014 S01	12,3	17,0	± 0,2	35	110	5	4	0,156
				18,5				80	65	0,328
16	5/8"	MF 014 S00 MF 014 S01	16,2	21,9	± 0,2	40	120	5	4	0,264
				23,6				80	65	0,462
20	3/4"	MF 014 S00 MF 014 S01	20,3	26,9	± 0,2	50	125	3	2,5	0,324
				28,5				50	50	0,592
25	1"	MF 014 S00 MF 014 S01	25,2	32,4	± 0,3	60	150	2,5	2,5	0,442
				34,4				65	65	0,808
32	1 1/4"	MF 014 S00 MF 014 S01	34,2	41,2	± 0,3	70	230	2	0,5	0,626
				43,2				45	40	1,194
40	1 1/2"	MF 014 S00 MF 014 S01	40,2	49,8	± 0,3	80	240	1,6	0,5	0,960
				52,2				43	40	1,603
50	2"	MF 014 S00 MF 014 S01	50,1	60,6	± 0,4	100	260	1	0,5	1,156
				62,9				33	25	1,922