

MF 012

Flexible Corrugated Stainless Steel Hose

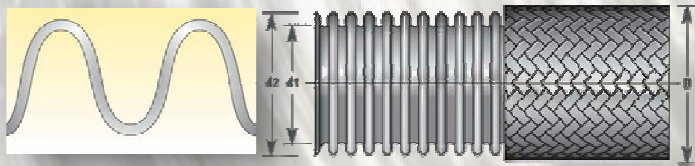
Wide Pitch

MF 012 S00

without braiding

MF 012 S01

with single braiding



Corrugation specification:

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

Available types:

- * MF012 S00 without braiding
- * MF012 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.



MF012 Wide Pitch		Dimensions			Bend Radius		Working Pressure	Nominal Pressure	Weight
DN	Type	d1	d2 D	Tolerans d1 d2 D	Static r min [mm]	Dynamic r min [mm]	Bar / at 20°C	ISO 10380	± 10%
							[bar]	[PN]	[kg/m]
6	1/4"	6,3	9,5	± 0,2	11	24	65	65	0,051
			10,7				198	150	0,106
8	5/16"	8,5	12,1	± 0,2	15	32	38	25	0,066
			13,5				174	150	0,176
10	3/8"	10,4	14,2	± 0,2	18	38	21	20	0,076
			15,6				130	100	0,190
12	1/2"	12,5	16,5	± 0,2	20	45	21	20	0,086
			18,0				84	65	0,216
16	5/8"	16,3	21,4	± 0,2	25	57	16	16	0,156
			23,1				96	65	0,357
20	3/4"	20,5	26,5	± 0,2	30	70	10	10	0,226
			28,0				56	50	0,451
25	1"	25,4	31,8	± 0,4	35	85	10	10	0,255
			33,7				64	50	0,670
32	1 1/4"	34,6	41,1	± 0,4	40	105	4	4	0,335
			43,0				46	40	0,800
40	1 1/2"	40,5	49,6	± 0,4	50	130	4	4	0,545
			51,9				50	50	1,240
50	2"	50,7	60,2	± 0,5	60	160	3	2,5	0,695
			62,4				35	25	1,445

Not suitable for dynamic loads