

**PH 2100 SERIES - MFM SPECIAL**

**Structure** Annular corrugated Mechanical formed flexible metal hoses produced from longitudinally welded tubes with or without braiding

**Characteristics** Light Weight / Medium Flexibility

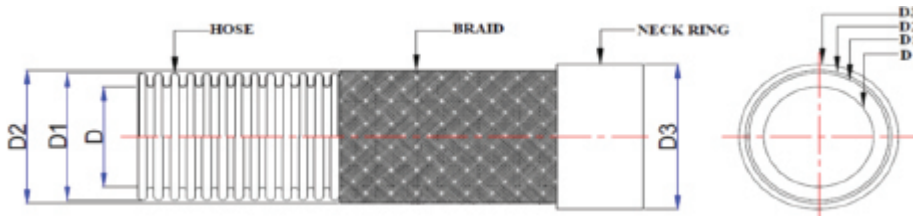
**Standards** EN ISO 10380

**Hose Material** Stainless Steel AISI 304, AISI 321, AISI 316L










**Braiding Material** Stainless Steel AISI 304 and AISI 316L

**Suitable Fittings Types** Threaded end, Flange end, Pipe end etc as per customer specifications

Note: Please Contact our sales team for Specific Length



**METRIC SYSTEM :**








Item Code	DN												
		(D)	(D1)	(D2)	(Dx)	Coverage	Static	Dynamic	SWB* W.P (Max)	DWB W.P (Max)	SWB B.P (Min)	SWB Weight	DWB Weight
		mm	mm	mm	mm	%	mm	mm	bar	bar	bar	Kg/m	Kg/m
R006MFMSR10	6	6.3	9.6	10.8	± 0.25	94	25	110	162	194.4	648	0.16	0.24
R008MFMSR10	8	8.5	12.1	13.6	± 0.25	92	32	130	114	137	456	0.20	0.30
R010MFMSR10	10	10	14.1	15.7	± 0.25	92	38	150	110	132	440	0.22	0.34
R012MFMSR10	12	12.1	16.7	18.2	± 0.25	92	45	165	89	107	356	0.25	0.39
R016MFMSR10	16	16.6	21.9	23.5	± 0.25	96	58	195	80	96	320	0.40	0.61
R020MFMSR10	20	20.2	26.7	28.2	± 0.25	94	70	225	70	84	280	0.53	0.78
R025MFMSR10	25	25.3	32.3	34.2	± 0.30	96	85	260	58	70	232	0.76	1.16
R032MFMSR10	32	33.6	41.2	43	± 0.30	94	105	300	46	56	184	1.04	1.55
R040MFMSR10	40	40	49.5	51.3	± 0.30	92	130	340	42	52	168	1.32	1.94
R050MFMSR10	50	50.4	60.7	63	± 0.30	96	160	390	38	48	152	1.78	2.68








**NOTE:**

1. Test Pressure is 1.5 times of Working Pressure @ 20°C.
2. SWB - Single Wire Braid, DWB - Double Wire Braid, WP - Working Pressure, BP - Burst Pressure.
3. Contact Factory for Temperature correction Factor.
4. THESE INFORMATIONS ARE FOR GUIDANCE ONLY, WE RESERVE THE RIGHT TO ALTER (OR) AMEND SPECIFICATIONS AS DEEMED NECESSARY.
5. General Tolerance is applicable.



**IMPERIAL SYSTEM :**

Item Code	DN	Braids	Braid Construction (No of Carriers X No of Strands X Wire Diameter)								
				Coverage	(D)	(D1 & D2)	W.P (Max) 70°F	B.P (Max) 70°F	Dynamic	Static	Weight per Foot
				%	inch	inch	psi	psi	inch	inch	lbs
R006MFMS000	1/4"	0	24 X 5 X 0.012	94	0.25	0.38	72	---	4.33	0.98	0.05
R006MFMSR10	1/4"	1	24 X 5 X 0.012	94	0.25	0.43	2370	9480	4.33	0.98	0.11
R006MFMSR20	1/4"	2	24 X 5 X 0.012	94	0.25	0.47	2844	11376	4.33	0.98	0.16
R008MFMS000	5/16"	0	24 X 6 X 0.012	92	0.34	0.48	72	---	5.12	1.26	0.06
R008MFMSR10	5/16"	1	24 X 6 X 0.012	92	0.34	0.54	1650	6600	5.12	1.26	0.13
R008MFMSR20	5/16"	2	24 X 6 X 0.012	92	0.34	0.58	1980	7920	5.12	1.26	0.20
R010MFMS000	3/8"	0	24 X 7 X 0.012	92	0.39	0.56	72	---	5.91	1.50	0.07
R010MFMSR10	3/8"	1	24 X 7 X 0.012	92	0.39	0.62	1600	6400	5.91	1.50	0.15
R010MFMSR20	3/8"	2	24 X 7 X 0.012	92	0.39	0.67	1920	7680	5.91	1.50	0.23
R012MFMS000	1/2"	0	24 X 8 X 0.012	92	0.48	0.66	65	---	6.50	1.77	0.07
R012MFMSR10	1/2"	1	24 X 8 X 0.012	92	0.48	0.72	129	5160	6.50	1.77	0.17
R012MFMSR20	1/2"	2	24 X 8 X 0.012	92	0.48	0.76	1548	6192	6.50	1.77	0.26
R016MFMS000	5/8"	0	36 X 8 X 0.012	96	0.65	0.86	65	---	7.68	2.28	0.12
R016MFMSR10	5/8"	1	36 X 8 X 0.012	96	0.65	0.93	1160	4640	7.68	2.28	0.27
R016MFMSR20	5/8"	2	36 X 8 X 0.012	96	0.65	0.97	1332	5568	7.68	2.28	0.41

Item Code	DN	Braids	Braid Construction (No of Carriers X No of Strands X Wire Diameter)								
				Coverage	(D)	(D1 & D2)	W.P (Max) 70°F	B.P (Max) 70°F	Dynamic	Static	Weight per Foot
				%	inch	inch	psi	psi	inch	inch	lbs
R020MFMS000	3/4"	0	36 X 9 X 0.012	94	0.80	1.05	43	---	8.86	2.76	0.18
R020MFMSR10	3/4"	1	36 X 9 X 0.012	94	0.80	1.11	1015	4060	8.86	2.76	0.35
R020MFMSR20	3/4"	2	36 X 9 X 0.012	94	0.80	1.16	1218	4872	8.86	2.76	0.52
R025MFMS000	1"	0	36 X 9 X 0.016	96	1.00	1.27	43	---	10.24	3.35	0.24
R025MFMSR10	1"	1	36 X 9 X 0.016	96	1.00	1.35	840	3360	10.24	3.35	0.51
R025MFMSR20	1"	2	36 X 9 X 0.016	96	1.00	1.39	1008	4032	10.24	3.35	0.78
R032MFMS000	1 1/4"	0	48 X 8 X 0.016	94	1.32	1.62	43	---	11.81	4.13	0.36
R032MFMSR10	1 1/4"	1	48 X 8 X 0.016	94	1.32	1.69	665	2660	11.81	4.13	0.70
R032MFMSR20	1 1/4"	2	48 X 8 X 0.016	94	1.32	1.76	798	3192	11.81	4.13	1.04
R040MFMS000	1 1/2"	0	48 X 9 X 0.016	92	1.58	1.95	28	---	13.39	5.12	0.47
R040MFMSR10	1 1/2"	1	48 X 9 X 0.016	92	1.58	2.02	605	2420	13.39	5.12	0.86
R040MFMSR20	1 1/2"	2	48 X 9 X 0.016	92	1.58	2.08	726	2904	13.39	5.12	1.25
R050MFMS000	2"	0	48 X 9 X 0.020	96	1.98	2.39	28	---	15.35	6.30	0.59
R050MFMSR10	2"	1	48 X 9 X 0.020	96	1.98	2.48	550	2200	15.35	6.30	1.20
R050MFMSR20	2"	2	48 X 9 X 0.020	96	1.98	2.54	660	2640	15.35	6.30	1.80

**NOTE:**

1. Test Pressure is 1.5times of Working Pressure @ 70°F.
2. WP - Working Pressure, BP - Burst Pressure.
3. Contact Factory for Temperature correction Factor.
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