

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

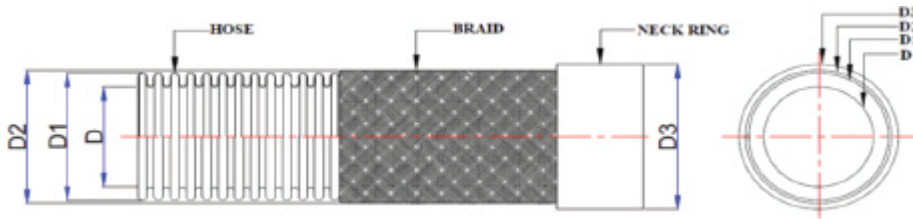
Standards EN ISO 10380

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 | | | | | Braid | | | | | | | |
|-------------|----|------|------|------|--------|-------|----------|--------|---------|-------------------|------------------|------------------|---------------|
| | | (D) | (D1) | (D2) | (Dx) | | Coverage | Static | Dynamic | SWB* W.P (Max) | DWB W.P (Max) | SWB B.P (Min) | SWB 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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5. General Tolerance is applicable.