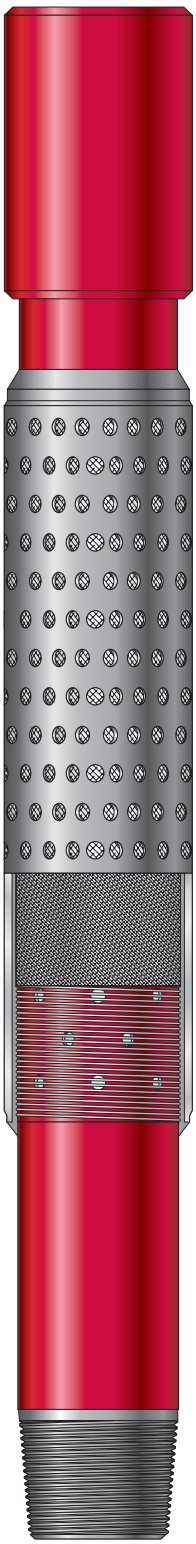
Maxflo® Screen



Weatherford's *Maxflo* screen is a metal-mesh screen product designed for openhole completions. Soft sintering of the Dutch twill-woven wire mesh locks the wires together for a robust construction. The result is an array of fixed pore sizes that provide optimal strength and sand retention needed in oil and gas applications. A simple, strong, and efficient weld seam is used to form the woven media into tubes. *Maxflo* screens provide long-lasting and reliable sand control.

Applications

- Standalone solution for openhole completions
- Short-radius sidetrack and multilateral completions
- Moderate gravel-packed, cased-hole completions
- Gravel-packed, openhole completions

Features, Advantages and Benefits

- Exclusive patented drainage support provides a greater flow area for hydrocarbons between the woven wire mesh and the perforated pipe, increasing production rates.
- Pressure buildup rates are minimized, providing improved erosion resistance of the metal media.
- Sintered mesh media provides an array of fixed port sizes, enabling strength and superior sand retention.
- The seam-welded, sintered, mesh-media design extends the life and reliability of the screen, reducing long-term operational costs.
- The *Maxflo* screen can provide secondary sand control for difficult gravel-packed completions, improving downhole reliability.
- The screen can be used with zonal isolation and/or inflow control devices (ICDs) and/or optimal flow rate and drawdown, improving operational flexibility.

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Specifications

Base Pipe			Screen					
Size (in./*mm*)	**Weight (lb/ft, *kg/m*)**	**ID (in./*mm*)**	**Cover Maximum OD (in./*mm*)**	**Weight (lb/ft, *kg/m*)**	**Tensile Strength[1] (lbf/*kN*)**	**Maximum Bend Angle[2] (°/100 ft)**	**Burst Resistance (psi/*MPa*)**	**Collapse Resistance (psi/*MPa*)**
2.385 *60.32*	4.6 *6.8*	2.00 *50.80*	3.27 *83.06*	7.9 *11.7*	88,690 395	120	2,700 *18.62*	6,000 *41.38*
2.875 *73.02*	6.4 *9.5*	2.44 *61.97*	3.77 *95.76*	10.2 *15.1*	123,220 *548*	105	2,700 *18.62*	6,000 *41.38*
3.500 *88.90*	9.2 *13.7*	2.99 *76.00*	4.22 *107.19*	13.5 *20.1*	176,130 *783*	86	2,250 *15.52*	6,000 *41.38*
4.000 *101.60*	9.5 *17.2*	3.55 *90.12*	4.72 *119.89*	14.4 *21.4*	182,210 *811*	75	1,875 *12.93*	5,200 *35.86*
4.500 *114.30*	11.6 *20.1*	4.00 *101.60*	5.23 *132.84*	16.9 *25.1*	226,980 *1010*	67	1,400 *9.65*	4,800 *33.10*
5.000 *127.00*	15.0 *22.3*	4.41 *111.96*	5.74 *145.80*	20.8 *30.9*	297,450 *1323*	60	1,300 *8.96*	4,400 *30.34*
5.500 *139.70*	17.0 *25.3*	4.89 *124.26*	6.24 *158.50*	23.2 *34.5*	337,440 *1501*	54	1,200 *8.27*	4,000 *27.59*
6.625 *168.27*	24.0 *35.7*	5.92 *150.37*	7.38 *187.45*	31.1 *46.3*	472,340 *2101*	45	1,100 *7.59*	3,600 *24.83*

[1]Screen tensile strength is based on entire screen assembly.
[2]Maximum bend angle for screen is based on L80 pipe.

Notes:
Maximum tensile strength based on L-80 pipe.
Collapse and burst values are based on tests using ISO 17824 sand-screen test procedures.
Pipe available in L-80, P-110, or CRA alloys in R1, R2, and R3 lengths.
Media available in 316L, Carpenter 20 or Incoloy 825.
All OD dimensions are maximum, based on nominal API pipe dimensions.
All values are nominal, except for the above-noted OD dimensions.

Performance Capabilities			
Medium	Formation Sand Size	Cut Point	Air Permeability at 1-in. Water
FSM	Fine	147	250
MSM	Medium	200	350
CSM	Coarse	310	800