



Maxflo® Screens

Weatherford's *Maxflo* screens are 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 and provide improved erosion resistance of the metal media.
- Sintered mesh media provides an array of fixed pore sizes for strength and superior sand retention.
- The seam-welded, sintered, mesh-media design extends the life and reliability of the screen.
- The *Maxflo* screen can provide secondary sand control for difficult gravel-packed completions.
- The screen can be used with zonal isolation and/or inflow control devices (ICDs) and/or optimal flow rate and drawdown.





Maxflow® Screens

Specifications

Base Pipe			Screen					
Size (in.)	Weight (lb/ft)	ID (in./mm)	Cover Maximum OD (in./mm)	Weight (lb/ft)	Tensile Strength ¹ (lbf/kN)	Maximum Bend Angle ² (°/100 ft)	Burst Resistance (psi/MPa)	Collapse Resistance (psi/MPa)
2-3/8	4.6	2.00 50.67	3.27 83.06	7.9	88,690 395	120	2,700 18.62	6,000 41.38
2-7/8	6.4	2.44 62.00	3.77 95.76	10.2	123,220 548	105	2,700 18.62	6,000 41.38
3-1/2	9.2	2.99 76.00	4.22 107.19	13.5	176,130 783	86	2,250 15.52	6,000 41.38
4	9.5	3.55 90.12	4.72 119.89	14.4	182,210 811	75	1,875 12.93	5,200 35.86
4-1/2	11.6	4.00 101.60	5.23 132.84	16.9	226,980 1,010	67	1,400 9.65	4,800 33.10
5	15.0	4.41 111.96	5.74 145.80	20.8	297,450 1,323	60	1,300 8.96	4,400 30.34
5-1/2	17.0	4.89 124.26	6.24 158.50	23.2	337,440 1,501	54	1,200 8.27	4,000 27.59
6-5/8	24.0	5.92 150.37	7.38 187.45	31.1	472,340 2,101	45	1,100 7.59	3,600 24.83

¹Screen tensile strength is based on entire screen assembly.

²Maximum bend angle for screen is based on L80 pipe.

Notes:

Maximum dogleg severity is 50% of bend angle.

Collapse and burst values are based on tests using ISO 17824 sand-screen test procedure.

Pipe available in L80, P110, or CRA alloys in R1, R2, and R3 lengths.

Media available in 316L or Carpenter 20.

All OD dimensions are maximum, based on nominal API pipe dimensions with 175-micron weave.

All values are nominal, except for the above noted OD dimensions.

Performance Capabilities			
Media	Formation Sand Size	Cut Point	Air Permeability at 1-in. H ₂ O
FSM	Fine	147	250
MSM	Medium	200	350
CSM	Coarse	310	800