

FloUltra Range

Ultimate Premium Mesh Sand Screen

The FloUltra premium mesh sand screen range provides ultimate sand retention and fines tolerance.

The FloUltra premium sand screen range uses an innovative press-fit assembly method to ensure the highest burst and collapse ratings of the premium mesh layers. The premium screen design uses a multi-layer design for support, drainage, filtration, convergence and protection.

FloUltra screens can be used along with TAQA's SealRight and SwellRight open hole packers to compartmentalise zones for maximum sand control.

The FloUltra screens range is designed, manufactured and fully qualified to meet ISO 17824 V1 standard. The screens can be deployed as a stand-alone option (FloMax) or in conjunction with TAQA's passive (FloRight) or autonomous (FloSure) inflow control devices to regulate flow and create a highly effective sand control solutions.

Screen Design

The inner layer is based on an innovative punch pattern with a 400µm opening to minimise plugging while running in hole. Integral centralisers ensure proper stand-off to the base pipe (5mm), and protect the screen from damage and gauge distortion while pushing through high doglegs.

A coarse square weave with 500µm wires are used on each side of the control weave to ensure full flow convergence and drainage. The outer protection shroud is press-fit against the inner layers to provide maximum protection against pressure reversals. The end adapters are slightly raised to further protect the screen from damage while run in hole.

The FloUltra Screen is available in multiple micron ratings from 150µm - 350µm, utilising high density dutch twill and reverse dutch twill weaves.

Features

- Complete merging of the layers through press fit
- Inner shroud for back-up sand control and flow convergence
- Available with a range of premium quality dutch and reverse dutch twill weaves
- ISO 17824 V1 Qualified

Benefits

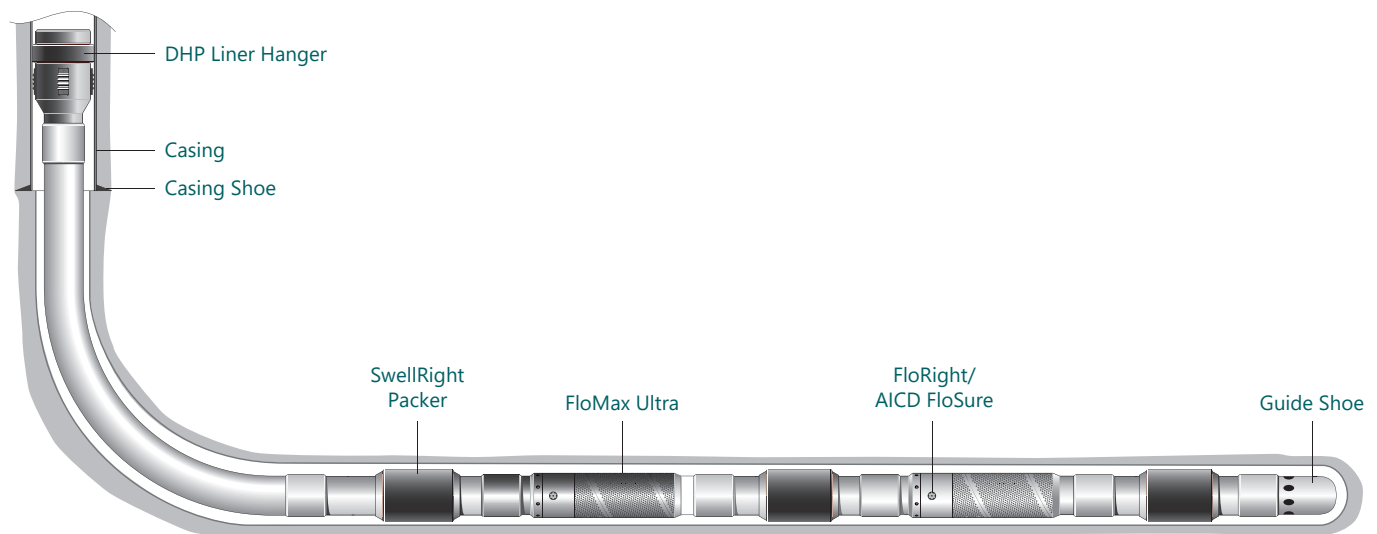
- Compatible with stand-alone screen, gravel pack and ICD completion designs
- Ultimate formation and plugging resistance
- Ultimate mechanical strength



FloUltra Premium Mesh Sand Screen



FloUltra Completion Schematic



Horizontal well schematic showing FloMax Ultra Sand Screens deployed along with SwellRight Packers

Technical Specifications

Screen Size (inches)	2.375	2.875	3.500	4.000	4.500	5.500	6.625	7.000	7.625
Jacket Tensile (lbs-f)	46,231	54,225	63,236	70,939	78,060	92,594	109,163	114,685	123,842
Base pipe specification	As per customer requirements								
Micron Rating	150µm - 350µm								
Material - Screen Jacket	316L or higher								
Material - End Adaptors	316L or higher								

Ultra Sand Screen Range

FloMax Ultra	FloRight Ultra	FloSure Ultra
Stand-alone Ultra premium mesh screen	Ultra premium mesh screen with Inflow Control Device (ICD) configuration	Ultra premium mesh screen with Autonomous Inflow Control Device (AICD) configuration

The Ultra range is available with FloSure AICD, FloMatik and FloCheck inflow control variations to regulate flow and extend well life.