

# FloElite Range

## Elite Premium Mesh Sand Screen

The FloElite is a premium mesh sand screen engineered to provide enhanced mechanical strength and sand retention performance.

The FloElite Range is a premium mesh sand screen, designed with an innovative press-fit assembly method to ensure the highest burst and collapse ratings of the mesh layers. The sand screen is constructed of a multi-layer design for support, drainage, filtration, convergence and protection.

The Elite screen range has been specifically engineered to reduce costs while maintaining performance and strength, and is rated for most field applications. To achieve this, TAQA utilised the field-proven FloUltra design and simply reduced both the thickness and the quantity of the material layers. This results in a lighter, more flexible, cost-effective design, whilst retaining the robust strength of a mechanically swaged design.

### 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 mesh is 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 and mechanical loads. Raised end adaptors provide further strength and damage resistance.

The FloElite screens are available with a range of dutch and reverse dutch twill weaves with apertures of 150 micron up to 400 micron. These high quality weaves are inspected and controlled to the highest level to ensure sand control is maintained throughout the life of the well.

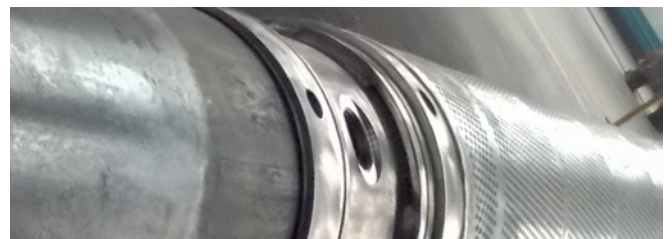
FloElite screens are designed, manufactured and fully qualified to meet ISO 17824 V1 standard. The screens can be deployed as a stand-alone option (FloMax) or in conjunction with TAQA's passive (FloRight) or autonomous inflow control (FloSure) devices to regulate flow and create a highly effective sand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

### Features

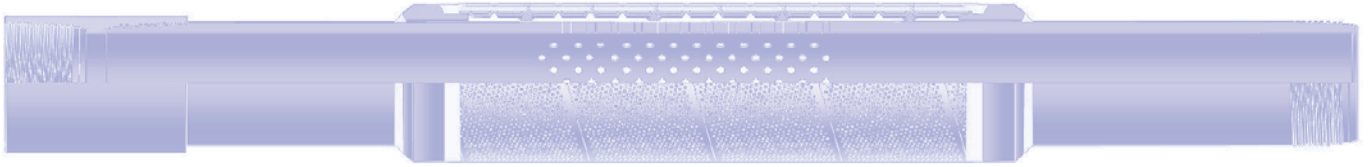
- Multi-layer design for best-in-class sand control performance
- Mechanically swaged design for maximum strength and weave integrity
- Engineered to deliver better value premium performance
- Available with a range of premium quality dutch and reverse dutch twill weaves
- ISO 17824 V1 Qualified

### Benefits

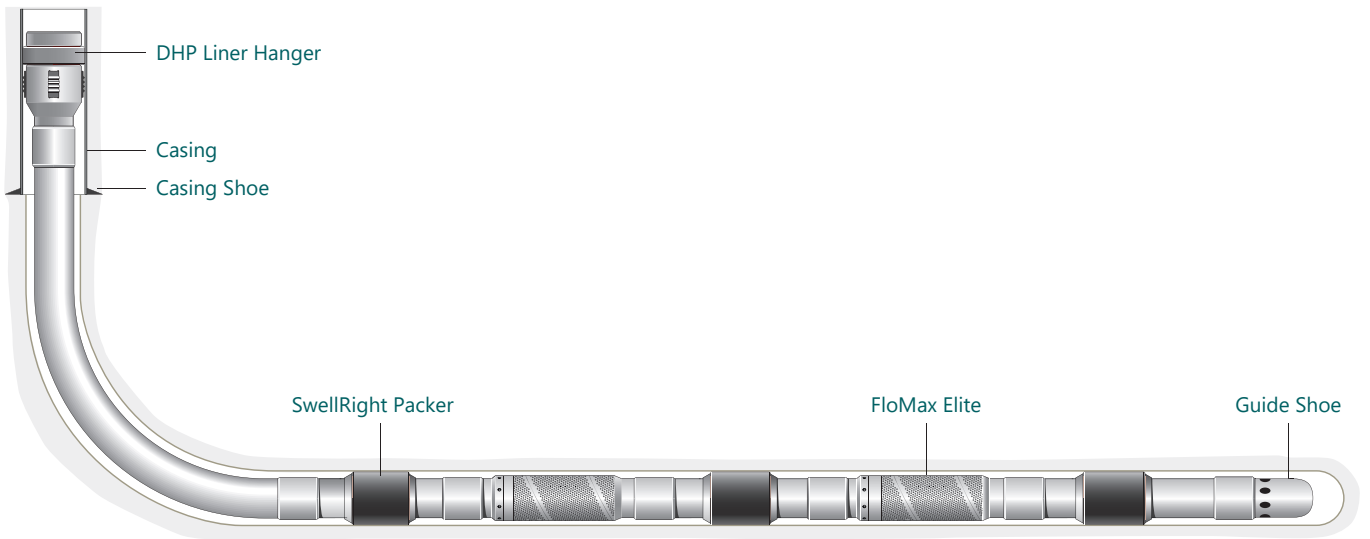
- Compatible with stand-alone screen, gravel pack and ICD completion designs
- Lighter, for easier deployment in a horizontal well
- Ultimate mechanical strength



## FloElite Premium Mesh Sand Screen



## FloElite Completion Schematic



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

## Technical Specifications

<b>Pipe Diameter</b>	2.375"	2.875"	3.500"	4.000"	4.500"	5.500"	6.625"	7.000"
<b>Base pipe specification</b>	As per customer requirements							
<b>Burst (psi)</b>	2437	2128	1835	1625	1625	1205	1137	1071
<b>Collapse (psi)</b>	5000	5000	5000	5000	5000	5000	5000	5000
<b>Aperture</b>	150 - 400 micron							
<b>Material - Screen Jacket</b>	304L or higher							
<b>Material - End Adaptors</b>	304L or higher							

## Elite Sand Screen Range

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

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