

Prepack Screen

Product Coding
P5XXXXXXXX

Introduction

Prepack screens are advanced sand control devices widely used in oil and gas wells where conventional gravel packing is impractical or operationally risky. These screens consist of a high strength perforated base pipe wrapped with precision wire screen and filled with a carefully selected filter media between the layers.

Features

- **Integrated sand control system:** Prepacked filter media eliminates the need for on-site gravel packing operations and minimizes installation complexity.
- **Multi layer filtration design:** Combination of perforated base pipe, wrapped screen, and packed media ensures effective retention of formation sand while maintaining high flow capacity.
- **Uniform flow distribution:** Evenly distributed inflow area prevents localized erosion, reduces pressure drop, and enhances production stability.
- **High mechanical strength:** Robust construction resists collapse, vibration, and mechanical damage during running and production phases.
- **Corrosion and erosion resistance:** Available in carbon steel, stainless steel, and corrosion resistant alloys for sour service, high temperature, and high salinity environments.
- **Customizable slot and media size:** Slot opening, wire profile, filter media type, and layer thickness can be tailored to specific reservoir characteristics.
- **Reduced operational risk:** Eliminates gravel placement failures, incomplete packs, and bridging problems common in traditional sand control methods.

Applications

- **Open hole and cased hole well completions:** Inflow conduit for production and injection wells
- **Sand control systems:** Structural base pipe for V-Wire screens, slotted liners, and gravel pack completions
- **Horizontal and deviated wells:** Reliable mechanical backbone for long reach and complex well profiles
- **Corrosive and high temperature reservoirs:** Suitable for HPHT and sour service environments

