

SAND CONTROL | FILTRATION TECHNOLOGY

# PetroGuard® Mesh-DS screen

## FEATURES

- Dimpled inner and outer shroud
- Crimped end rings
- Multiple drainage layer designs

## BENEFITS

- Optimizes inflow performance, mesh layer support, and inflow efficiency
- Eliminates crossflow of solids at end of filter cartridge and provides superior cartridge attachment
- Compatible with inflow control devices, sliding sleeves, and provides control-line/fiber-optic deployment
- Improved flow efficiency into basepipe

## Overview

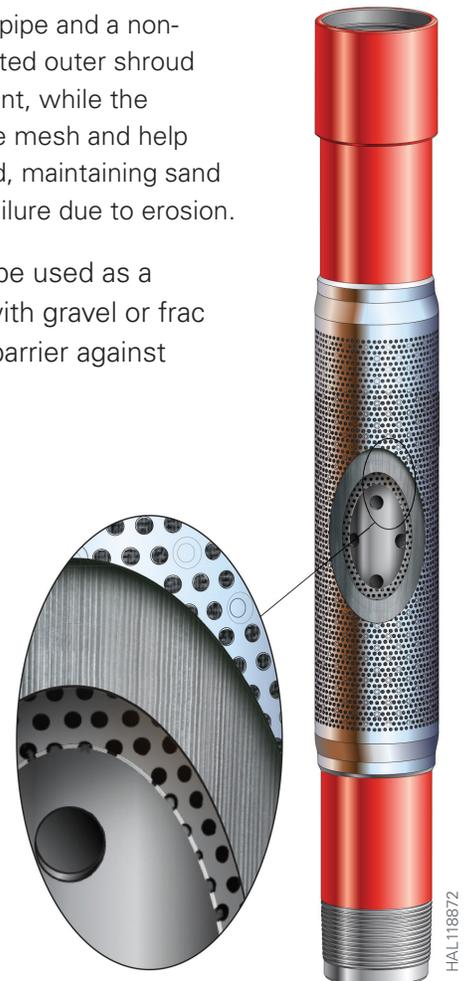
For sand control applications where a more efficient filtration media is required, the PetroGuard® Mesh-DS (Dual Shroud) screen provides effective solids filtration in a shrouded, non-bonded mesh screen.

Woven mesh often provides better performance than a wire-wrapped screen in unconsolidated formations. This is especially true when it comes to filtering a high percentage of fines and in formations with more poorly sorted sands. The unique construction of the PetroGuard Mesh-DS screen optimizes inflow area and filtration efficiency to provide superior sand control completion performance.

The screen consists of a perforated basepipe and a non-bonded mesh filter cartridge. The perforated outer shroud protects the mesh filter during deployment, while the dimples in the shroud lend stability to the mesh and help ensure the filter layer remains overlapped, maintaining sand control integrity and reducing potential failure due to erosion.

The PetroGuard Mesh-DS screen can be used as a standalone system or in conjunction with gravel or frac pack applications, providing a reliable barrier against production of formation sands.

When used in conjunction with other technologies, such as EquiFlow® inflow control technology and zonal isolation tools, the PetroGuard Mesh-DS screen is the heart of a total sand control solution.



**PetroGuard® Mesh-DS screen specifications**

SCREEN SIZE	PERFORATIONS PER FOOT	BASEPIPE HOLE SIZE	BASEPIPE INLET AREA	SHROUD OPEN AREA	MAX SCREEN OD
IN.		IN.	IN <sup>2</sup> /FT	IN <sup>2</sup> /FT	IN.
2.875	44	0.375	4.86	27.40	3.671
3.50	50	0.375	6.63	32.07	4.296
4.00	68	0.375	7.51	35.80	4.796
4.50	76	0.375	8.39	39.64	5.310
5.00	84	0.375	9.28	43.41	5.815
5.50	92	0.375	10.16	47.21	6.324
6.625	108	0.375	11.93	55.65	7.456
7.00	116	0.375	12.81	58.48	7.835
7.625	124	0.375	13.70	63.19	8.466



HAL122611

A unique design of filter cartridge enables premium filtering and quick manufacturability. Suitable for both gravel pack and standalone screen applications.

For more information, contact your local Halliburton representative or visit us on the web at [www.halliburton.com](http://www.halliburton.com)

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