

ASSURE DIRECT WRAP PREMIUM SCREEN

Assure is the first Direct Wrap Premium Screen to be introduced to the market. Using the principles of Direct Wrap, Assure can deliver exceptional mechanical properties while maintaining Sand Control performance.

A Premium Screen's performance is derived from two characteristics, the filter media and secondly the overall construction of the screen. Assure uses a Sintered Mesh Laminate which provides enhanced sand retention and plugging resistance compared with single layer mesh screens. The sintering process also provides additional strength to the mesh and locks the engineered pore geometry.

Assure overall construction utilises an Inner Drainage layer to provide uniform standoff between the filter media and the base pipe which ensures uniform flow over the entire surface area of the filter media. The Outer Drainage layer provides uniform standoff between the Protective Shroud and Filter Media, again ensuring uniform flow over the surface area of the Filter Media. The unique Protective Shroud sizing process ensures conforming fit over the Outer Drainage layer, enhancing the mechanical properties of the Screen Assembly.

APPLICATIONS

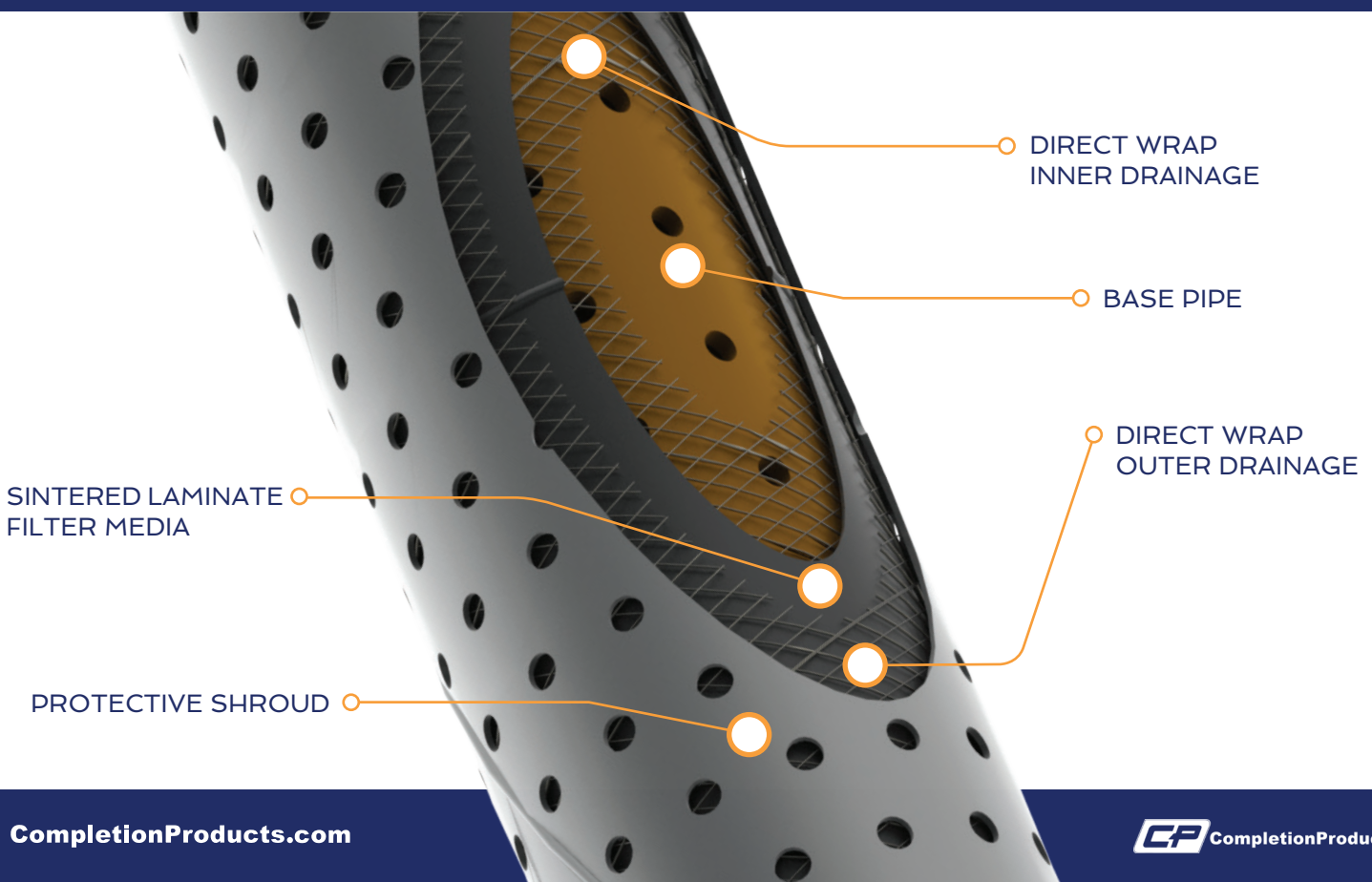
- + Openhole stand-alone Screen completions.
- + Openhole gravel pack completions.
- + ICD Screen completions.
- + Thru-tubing version for remedial Sand Control applications

BENEFITS

- + Excellent Mechanical Properties
- + Excellent Sand Retention capabilities
- + Reduced product OD
- + Reliability

FEATURES

- + Direct Wrap of Layers providing excellent mechanical properties and reduced product OD
- + Sintered Laminate filter media
- + Available in Fine, Media and Coarse Filter Layer in 316Lss or Alloy 20
- + Inner and Outer Drainage layers providing uniform flow distribution.
- + Available in various Screen coverage



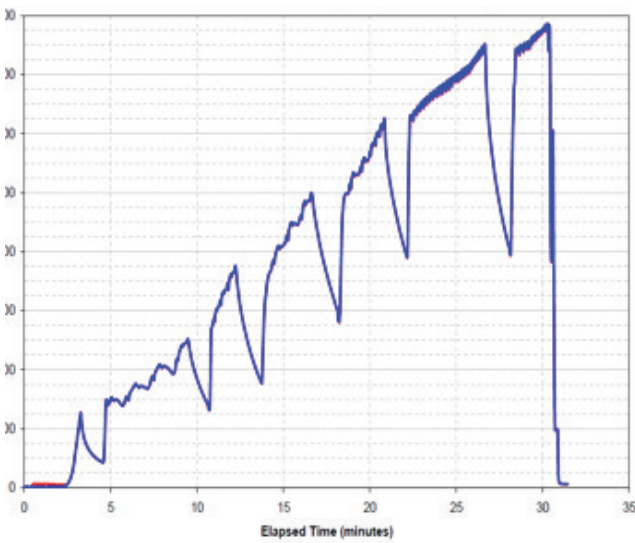
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QUALITY

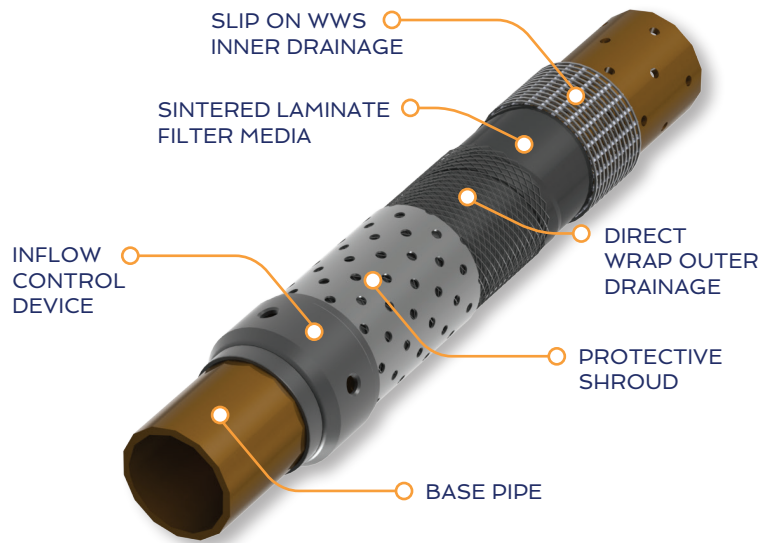
The manufacture of Assure undergoes rigorous quality assurance and control practices including a detailed Quality Control Plan, full material and operator traceability and quality control inspection throughout the process. The critical filter media element is sent to a third party laboratory, Whitehouse Scientific for glass bead testing to define its Filter Cut Point and to verify the filter media is within specification. All information is correlated into a Quality Dossier delivered with the product.

Assure has been tested under the ISO 17824 for Sand Control Screens by an independent testing laboratory with excellent results in burst and collapse tests compared to other industry Premium Screens.

SCREEN COLLAPSE GRAPH



ICD COMPLIANT



FILTER MEDIA PROPERTIES	NOMINAL CUT POINT	AIR PERMEABILITY (SCF/MIN)
Fine	138µm	400-650
Medium	165µm	600-900
Coarse	275µm	600-900

Assure Premium Screen can be integrated with an Inflow Control Device (ICD) for optimisation of the reservoir in-flow profile to delay the onset of water production and increase the asset recovery of the field.

BASE PIPE SIZE	BASE PIPE WEIGHT (Lbs/Ft)	PRODUCT OD (Inch)	PRODUCT WEIGHT (Lbs/Ft)	HOLE SIZE (Inch)	NUMBER OF HOLES (per Ft)	COLLAPSE PRESSURE (PSI)	BURST PRESSURE (PSI)
2-3/8"	4.6	2.9	6.9	3/8	48	8,350	2,250
2-7/8"	6.4	3.4	9.1	3/8	60	7,920	2,030
3-1/2"	9.2	4.03	12.3	3/8	72	7,470	1,820
4.0"	9.5	4.53	13.0	3/8	84	6,590	1,650
4-1/2"	11.6	5.03	15.5	3/8	96	5,290	1,480
5.0"	15	5.53	19.1	3/8	108	5,050	1,330
5-1/2"	17	6.03	21.4	3/8	120	4,330	1,200
6-5/8"	24	7.15	29.0	3/8	132	3,600	1,000
7"	26	7.61	34.4	3/8	144	3,744	876