

GROUND WATER WELL SCREENS

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DYNAMIC
OIL TOOLS

Fit To Base Screen on Perforated Base Pipe

SAND CONTROL

This product consists of a wire wrapped screen on a perforated base pipe up to Ø 7"-39ft length. The screen can be manufactured up to a total length of 8.5 meters on the pipe. Meanwhile the perforated liner or pre-perforated casing is manufactured with a 12m bed length - 8 spindle Drilling machine.

The DOT standard spiral and staggered perforation patterns use Ø 3/8" and Ø 1/2" diameter holes, to create the client's required open area. Upon request, custom hole sizes can be drilled in any number and / or pattern. Every joint perforated by DOT well screen is deburred internally and externally.

The size, grade and weight of the base pipe are manufactured as per API casing/tubing specification.

Applications

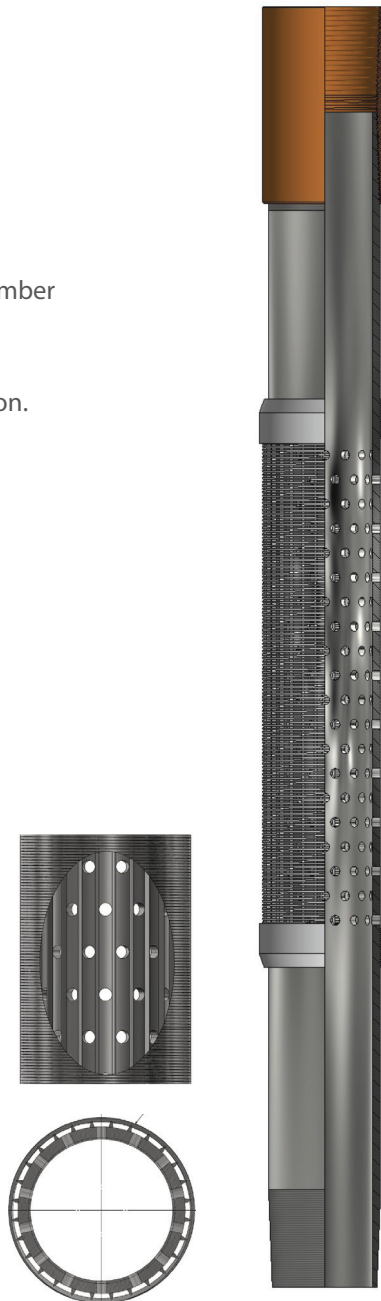
Groundwater Wells

Features

- § Available in base pipe sizes ranging from 2 7/8 to 7 in.
- § No requirement for welding on base pipe (screen wire is shrink- fitted to base pipe)
- § Slot opening from 50 micron up to 2000 micron, which can be customized based on well specifications
- § Customized material grades 304/316L/904/Duplex/Alloy 625

Benefits

- § Improved water flow efficiency into base pipe
- § Optimized inflow performance
- § Longer well life and optimized production





Basepipe size		Basepipe Weight		Wall Thickness		Min. Basepipe ID		Max. Screen Configuration	No. of perforation *
in	mm	lbm/ft	Kg/m	in	mm	in	mm	-	Holes per ft
6.625	168.3	20	29.06	0.288	7.32	6.05	153.64	V30/V35	36
7	177.8	23	33.7	0.317	8.05	6.37	161.7	V30/V35	36

* Upon request, custom hole sizes can be drilled in any number and any pattern.

Screen Jacket on Perforated Base Pipe

SAND CONTROL

This wire wrapped screen jacket is installed on a perforated base pipe up to $\varnothing 7''$ - 39ft length. The screen can be manufactured up to a total length of 10 m, from corrosion resistant materials. The perforated liner or pre-perforated casing is manufactured with a 12m (39ft) bed length, 8 spindle Drilling machine.

The DOT standard spiral and staggered perforation patterns use $\varnothing 3/8''$ and $\varnothing 1/2''$ diameter holes, to create the client's required open area. Upon request, custom hole sizes can be drilled in any number and any pattern. Every joint perforated is deburred internally and externally.

The size, grade and weight of the base pipe are manufactured as per API casing/tubing specification. The screen jacket is fully pickled and passivated for maximum corrosion resistance.

Applications

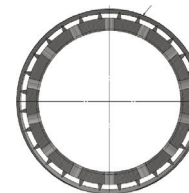
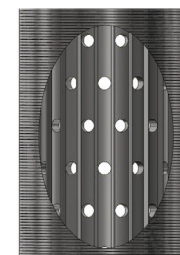
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Features

- § Welded rings isolate jacket from mechanical loads on base pipe
- § Available in base pipe sizes from 2 7/8 to 7 in.
- § Multiple unique surface and support wire profile options
- § Slot opening from 50 micron up to 2000 micron, which can be customized based on well specifications
- § Customized material grades 304/316L/904/Duplex/Alloy 625

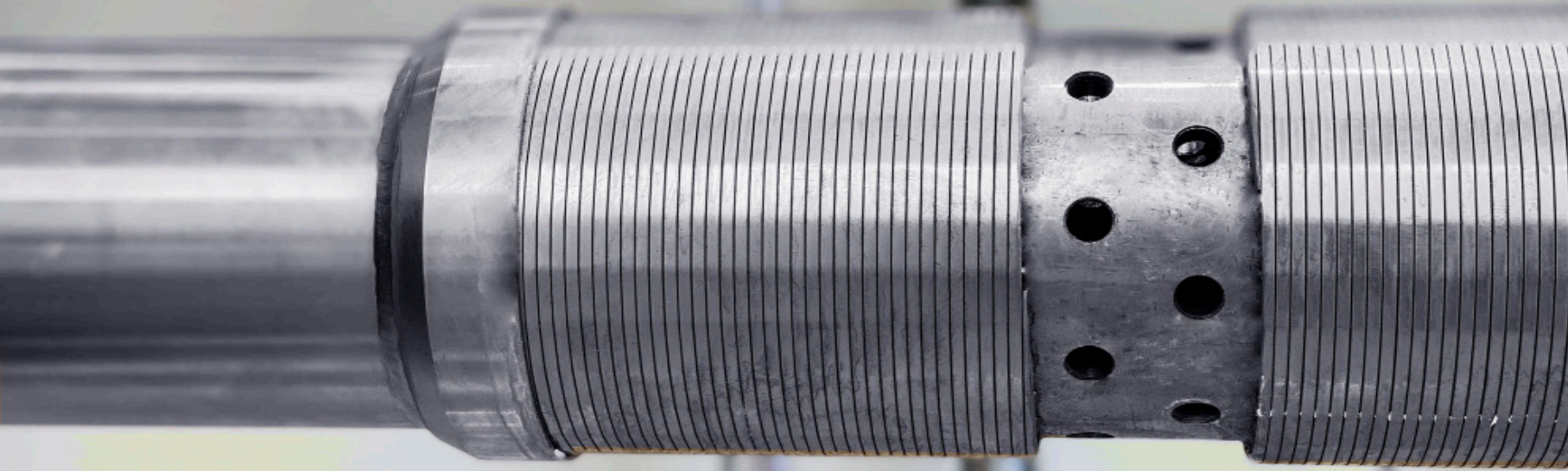
Benefits

- § Low laminar flow preventing erosion
- § Optimized inflow performance
- § Improved water flow efficiency into base pipe
- § Longer well life and optimized production



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Basepipe size		Basepipe Weight		Wall Thickness		Min. Basepipe ID		Max. Screen Configuration	No. of perforation *
in	mm	lbm/ft	Kg/m	in	mm	in	mm	-	Holes per ft
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* Upon request, custom hole sizes can be drilled in any number and any pattern.

DynamicLink Screen Liner

Open hole system

SAND CONTROL

The DynamicLink Screen Liner open hole system is a profile wire screen completion system, designed to achieve laminar flow conditions primarily in long horizontal wells. The profile wire design helps maximize sand free production that resists damage and erosion for effective, long term sand control.

The DynamicLink no base pipe screen is robust yet lightweight. It is suitable for high mechanical loads, short radius wellbores, and wells with high rate gas flow conditions. It can also be used with or instead of current completion systems. While conventional sand screens are affected by high inflow velocity of gas or liquid, DynamicLink screens feature specially engineered profiles that force inflow to be distributed more uniformly over a longer length of screens compared with that of conventional screens. This reduces velocity and eliminates erosion hot spots through laminar flow regimes without the need to choke production.

Applications

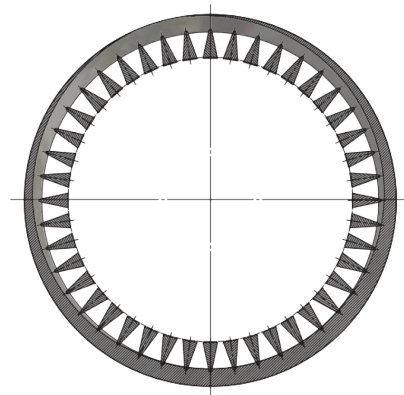
Groundwater Wells

Features

- § No Base Pipe - No Flow restriction
- § Robust design - resistance to plugging
- § Suitability for Short - Radius well profiles

Benefits

- § Higher reservoir drainage
- § Low laminar flow preventing erosion
- § Longer well life and optimized production
- § Resists plugging



DynamicLink Screen Liner

SAND CONTROL

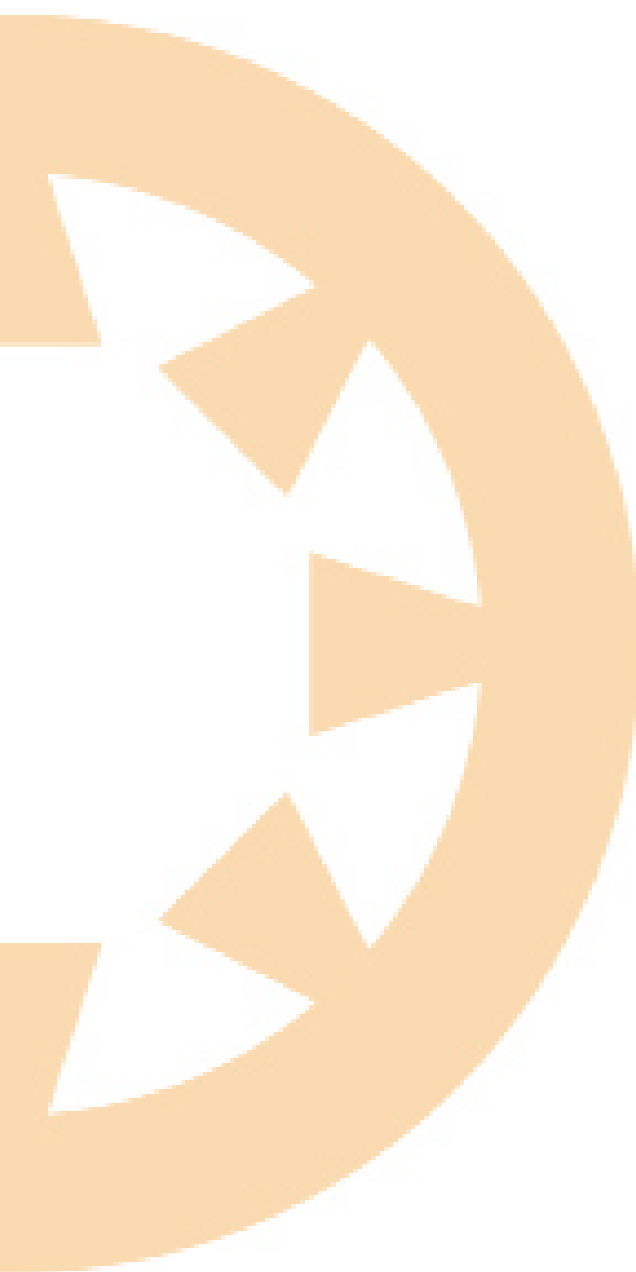
Design

This screen, with no base pipe, is designed through forming V-SLOT openings with the venturi nozzle profile. This is done by configuring two adjacent profiled wires. The no base pipe screens are manufactured using a standardized process that assembles and welds all wire layers in a single systematic operation.

The structural design of the screen uses the basic mass research technique to calculate its permeability, which depends on the screen chosen structure. This technique considers the permeability and flow characteristics for unconsolidated formations in laminar, transition, and turbulent flows.

Nominal screen Size (in)	Weight (lb/ft)	Coupling OD	Screen OD	Screen ID	API Drift	Weight per 38ft Joint
6.625	20	7.39	7.263	5.791	5.924	760
7	23	7.656	7.54	6	6.25	874






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