

SAND CONTROL PRODUCTS

Slip On Wire Wrap Screen

Description

Horizontal Slip On wire wrap screen is manufactured as a standalone jacket which is installed over a perforated base pipe and secured via welds on each end. The wire wrap screen can be manufactured in multiple configurations based on customer requirements and application. Ex. Equal Split, Pipe Handling Arm Split, Etc.

Variperm wire wrap screens are manufactured from 304L or 316L stainless steel. Various rib and wrap wire configurations along with stainless steel material offer optimized plugging and corrosion resistance with maximum structural integrity.

Variperm uses a variety of profiles and metal compositions in the design of horizontal well screen depending on engineering and application requirements.

The screen gauge is strictly monitored throughout the wrapping process and qualified to the ISO 17824 wire wrapped screen standards; with optical gauge verification available.

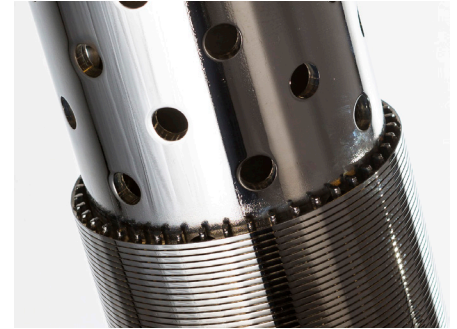
The base pipe is perforated maximizing open flow area, finding the optimal value to provide adequate inflow while minimizing the yield reduction of the pipe.

Features and Benefits

- 304L/316L Stainless steel Rib and Wrap Wires for optimized corrosion and plugging resistance
- High Open Flow Area 5%-20% based on Screen Gauge
- Increased well bore longevity and reduced work over costs
- Sand control is independent of the mechanical integrity of the liner
- Low entrance velocity with lower drag forces
- Proven design with hundreds of thousands of meters installed
- Keystone wrap wire to aid in self cleaning ability of screen

Applications

- Thermal SAGD/CSS HZ open hole
- HZ cased hole
- Scab Liner installations for failed well bores
- Injection Wells



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Technical Data

Base Pipe		Holes Per foot	Holes Per meter	Hole Size inches	Hole Open Area sq.in./ft	Screen		NU Coupling		EU Coupling	
Outer Diameter						Outer Diameter		Outer Diameter			
inches	mm					inches	mm	inches	mm	inches	mm
1.900	48.26	84	275.6	3/8	9.3	2.423	61.54	2.200	55.88	2.500	63.50
2.375	60.33	96	315.0	3/8	10.6	2.898	73.61	2.875	73.03	3.063	77.80
2.875	73.03	60	196.9	1/2	11.8	3.406	86.51	3.500	88.90	3.668	93.17
3.500	88.90	72	236.2	1/2	14.1	4.031	102.39	4.250	107.95	4.500	114.30
4.000	101.60	84	275.6	1/2	16.5	4.523	114.88	4.750	120.65	5.000	127.00
4.500	114.30	84	275.6	1/2	16.5	5.040	128.02	5.200	132.08	5.563	141.30

Base Pipe		Holes Per foot	Holes Per meter	Hole Size inches	Hole Open Area sq.in./ft	Screen		Coupling	
Outer Diameter						Outer Diameter		Outer Diameter	
inches	mm					inches	mm	inches	mm
4.500	114.30	84	275.6	1/2	16.5	5.040	128.02	5.000	127.00
5.000	127.00	96	315.0	1/2	18.9	5.530	140.46	5.563	141.30
5.500	139.70	96	315.0	1/2	18.9	6.040	153.42	6.050	153.67
6.625	168.28	120	393.7	1/2	23.6	7.187	182.55	7.390	187.71
7.000	177.80	132	433.1	1/2	25.9	7.570	192.28	7.656	194.46
7.625	193.68	144	472.5	1/2	28.3	8.211	208.56	8.500	215.90
8.625	219.08	156	511.8	1/2	30.6	9.228	234.39	9.625	244.48
9.625	244.48	168	551.2	1/2	33.0	10.248	260.30	10.625	269.88
10.750	273.05	180	590.6	1/2	35.3	11.395	289.43	11.750	298.45