

## SAND CONTROL PRODUCTS

### Pre Packed Wire Wrap Screen

#### Description

Pre packed screens are designed using an inner and outer slip on wire wrap jacket of differing diameters which are secured together over a perforated base pipe.

The screen gauge is determined from the filter media size, optimizing sand retention and permeability.

The annulus between the two screens is packed with filter media to provide a pre determined sand pack thickness in the range of 0.5"-1.5".

The sand is packed utilizing industrial vibrating machines to ensure a void free pack, and is then inspected utilizing high intensity light from the I.D. of the pipe to ensure proper compaction and distribution.

Typical filter media pack is comprised of silica sand however ceramic or other proppant types are available but subject to market availability.

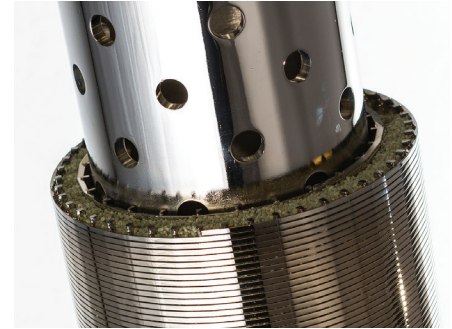
The pre packed assemblies can be manufactured to any desired coverage ratio on the pipe to work in coordination with rig pipe handling arms or to space out to cover specific zones within a reservoir.

#### Features and Benefits

- Multiple metal types, wire profiles, and filter media available
- 304L/316L stainless steel rib and wrap wires for optimized corrosion and plugging resistance
- Keystone wrap wire for optimized sand retention
- High permeability

#### Applications

- When a conventional gravel pack is not viable or feasible
- Vertical and horizontal high rate water source 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		Annular Thickness Outer Diameter	
Outer Diameter						Outer Diameter		inches	mm
inches	mm					inches	mm		
1.900	48.26	84	275.6	3/8	9.3	3.406	86.51	0.492	12.50
2.375	60.33	96	315.0	3/8	10.6	4.031	102.39	0.567	14.40
2.875	73.03	60	196.9	1/2	11.8	4.523	114.88	0.559	14.20
3.500	88.90	72	236.2	1/2	14.1	5.040	128.02	0.505	12.83
4.000	101.60	84	275.6	1/2	16.5	5.530	140.46	0.504	12.80
4.500	114.30	84	275.6	1/2	16.5	6.040	153.42	0.500	12.70
5.000	127.00	96	315.0	1/2	18.9	7.187	182.55	0.829	21.06
5.500	139.70	96	315.0	1/2	18.9	7.570	192.28	0.765	19.43
6.625	168.28	120	393.7	1/2	23.6	8.211	208.56	0.512	13.00
7.000	177.80	132	433.1	1/2	25.9	9.228	234.39	0.829	21.06
7.625	193.68	144	472.5	1/2	28.3	10.248	260.30	1.019	25.88
8.625	219.08	156	511.8	1/2	30.6	11.395	289.43	1.084	27.53
9.625	244.48	168	551.2	1/2	33.0	12.415	315.34	1.084	27.53
10.750	273.05	180	590.6	1/2	35.3	14.073	357.45	1.339	34.01