



Next-Generation Sand Control Screens

UniScreen Technology™ - High Performance and Superior Value



SAND SCREEN
DIVISION

Building with integrity™

THE LEADER IN SAND CONTROL SCREENS

Patented UniScreen™ technology produces an entirely new kind of sand control screen that combines the base pipe, support core, filter media, and protective shroud into a single, unitized screen joint. UniScreen™ sand control screens can be produced in full-length joints. TPM or our global network of service companies can install UniScreen™ joints onto customer-supplied base pipe.

Advantages

- Strength
- Reliable Performance
- Enhanced Logistics
- Easier, More Cost-Effective
- Flexibility in Design & Production

Sintered Screen Option

UniScreen™ technology solves problems associated with sintered screens. It allows sintered screens to be produced in full tubing lengths, reducing the number of joints and cutting labor costs for assembly. The versatility of UniScreen™ technology also allows it to fit all inflow control devices (ICD).

Applications

- Oilfield Completions
- Oil Sands/SAGD
- Backflow Filtering
- Water Treatment
- Food Processing
- Pulp and Paper
- Nuclear

Support Services

TPM can provide any additional services you need, including inventory management, shipping logistics, packing and crating (including export crating), heat treating, electropolishing, coatings, and assembly of UniScreen™ joints onto base pipe.



UniScreen™ Dimensional Data

Base Pipe OD		Base Pipe ID		Base Pipe Weight		Base Pipe Holes per Ft	Base Pipe Hole Size		Open Area of Base Pipe Holes		UniScreen™ Joint OD					
in	mm	in	mm	lbm/ft	kg/m		in	mm	in ² /ft	cm ² /mm	Fine		Medium		Coarse	
											in	mm	in	mm	in	mm
2.375	60.3	1.995	50.7	4.6	6.8	48	0.375	9.65	5.3	112.8	2.90	73.66	2.93	74.42	2.98	75.69
2.875	73.0	2.441	62.0	6.4	9.5	54	0.375	9.65	6.0	126.9	3.4	86.36	3.43	87.12	3.48	88.39
3.5	88.9	2.995	76.1	9.2	13.7	70	0.375	9.65	7.8	164.5	4.02	102.11	4.05	102.87	4.10	104.14
4.0	101.6	3.476	88.3	11	16.4	76	0.375	9.65	8.4	178.6	4.52	114.80	4.54	115.31	4.60	116.84
4.5	114.3	4.000	101.6	11.6	18.7	78	0.375	9.65	8.7	183.3	5.02	127.50	5.05	128.27	5.10	129.54
5.0	127.0	4.408	112.0	15	22.0	88	0.375	9.65	9.8	206.8	5.52	140.21	5.55	140.97	5.60	142.24
5.5	139.7	4.892	124.3	17	25.3	90	0.375	9.65	10.0	211.5	6.02	152.91	6.05	152.90	6.10	154.94
6.625	168.3	5.920	150.4	24	35.6	108	0.375	9.65	12.2	253.8	7.14	181.36	7.17	182.11	7.23	183.64
7.0	177.8	6.276	159.4	26	34.2	126	0.375	9.65	14.0	296.1	7.52	191.01	7.55	191.77	7.60	193.04

Through-Tubing UniScreen™ Dimensional Data

Base Pipe OD		Base Pipe ID		Base Pipe Weight		Base Pipe Holes per Ft	Base Pipe Hole Size		Open Area of Base Pipe Holes		UniScreen™ Joint OD	
in	mm	in	mm	lbm/ft	kg/m		in	mm	in ² /ft	cm ² /mm	Fine	
										in	mm	
1.315	33.4	1.049	26.7	1.70	2.6	30	0.375	9.65	5.1	107.9	1.65	41.9
1.660	42.2	1.380	35.1	2.30	3.5	36	0.375	9.65	6.0	127.1	2.04	51.8
1.900	48.3	1.610	40.9	2.75	4.1	42	0.375	9.65	4.6	97.4	2.31	58.7
2.063	52.4	1.751	44.5	3.25	4.9	42	0.375	9.65	4.6	97.4	2.42	61.8

Fast Delivery

TPM has earned a reputation for meeting tight delivery schedules. Everything we do – from the equipment we use to the perforated material inventories we maintain – is geared toward generating superior-quality products with minimal lead time.

Documented Quality

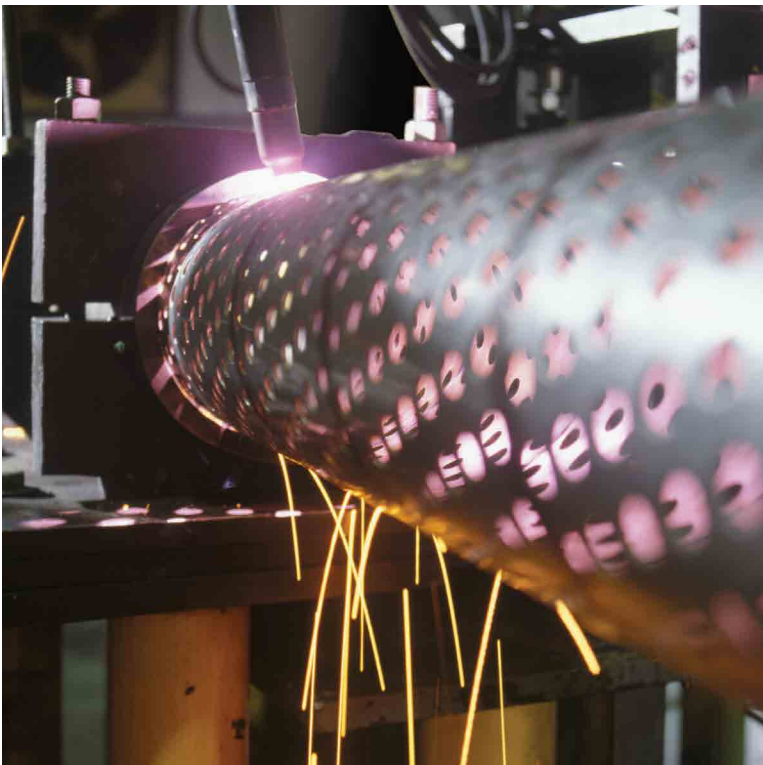
TPM adheres to stringent quality assurance procedures, including 100% inspection of finished pieces. Every screen joint receives a thorough examination of ID/OD, weld integrity, straightness, and length. TPM is able to validate the micron rating in our finished product.

We will also incorporate any additional quality requirements you may have. The TPM quality assurance program is fully documented and available for your review.

Material certifications are provided for every order, with complete listings of relevant chemical and physical properties. Every order is fully traceable back to the heat number of the raw material.

Just-In-Time Supply

TPM will work with you to achieve just-in-time delivery. We often proceed based on blanket purchase orders, shipping quantities only as you need them and maintaining a sufficient inventory of your screens at our facility. We track your usage rates, communicate with you to adjust for any special needs, and replenish stock as necessary.



UniScreen™ joints can be supplied with base pipe for a unitized, ready-to-run sand control solution.

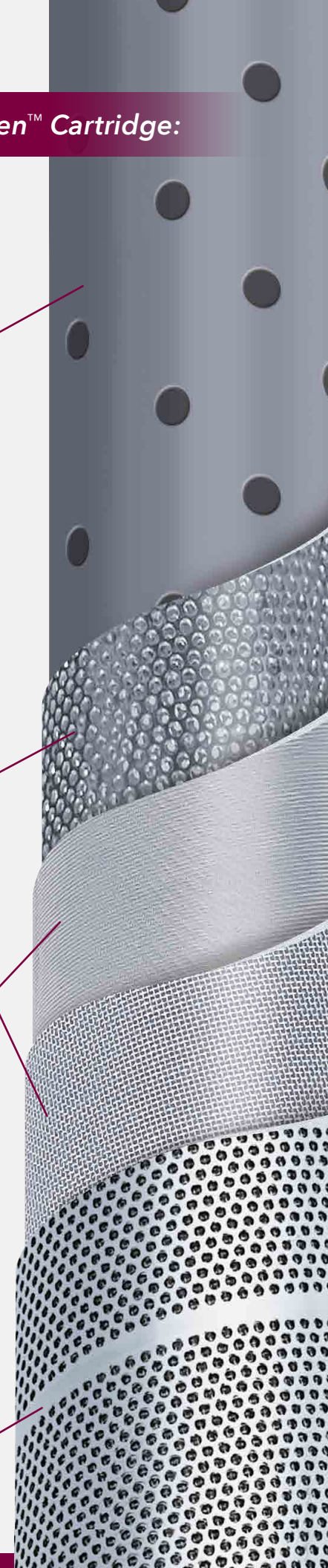
UniScreen™ Cartridge:

Base Pipe

Support Core

Filter Media

Protective Shroud



CUSTOM DESIGN ASSISTANCE

TPM works with you to provide the optimum sand control solution. If your application requires unique product features, we can produce UniScreen™ joints based on your specifications or consult with you to develop the best product for your needs. Our versatile production process can cost-effectively make prototypes for testing prior to full-scale production.

Dependable Quality • Responsive Service • Fast Turnaround • Superior Value

Contact us for price quotes, design support, and assistance with your unique requirements.

UniScreen™ technology is protected under the following patents:

U.S. Issued Patent No. 7,287,684 B2

U.K. Issued Patent No. GB2391183

Norwegian Patent No. 331873

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