



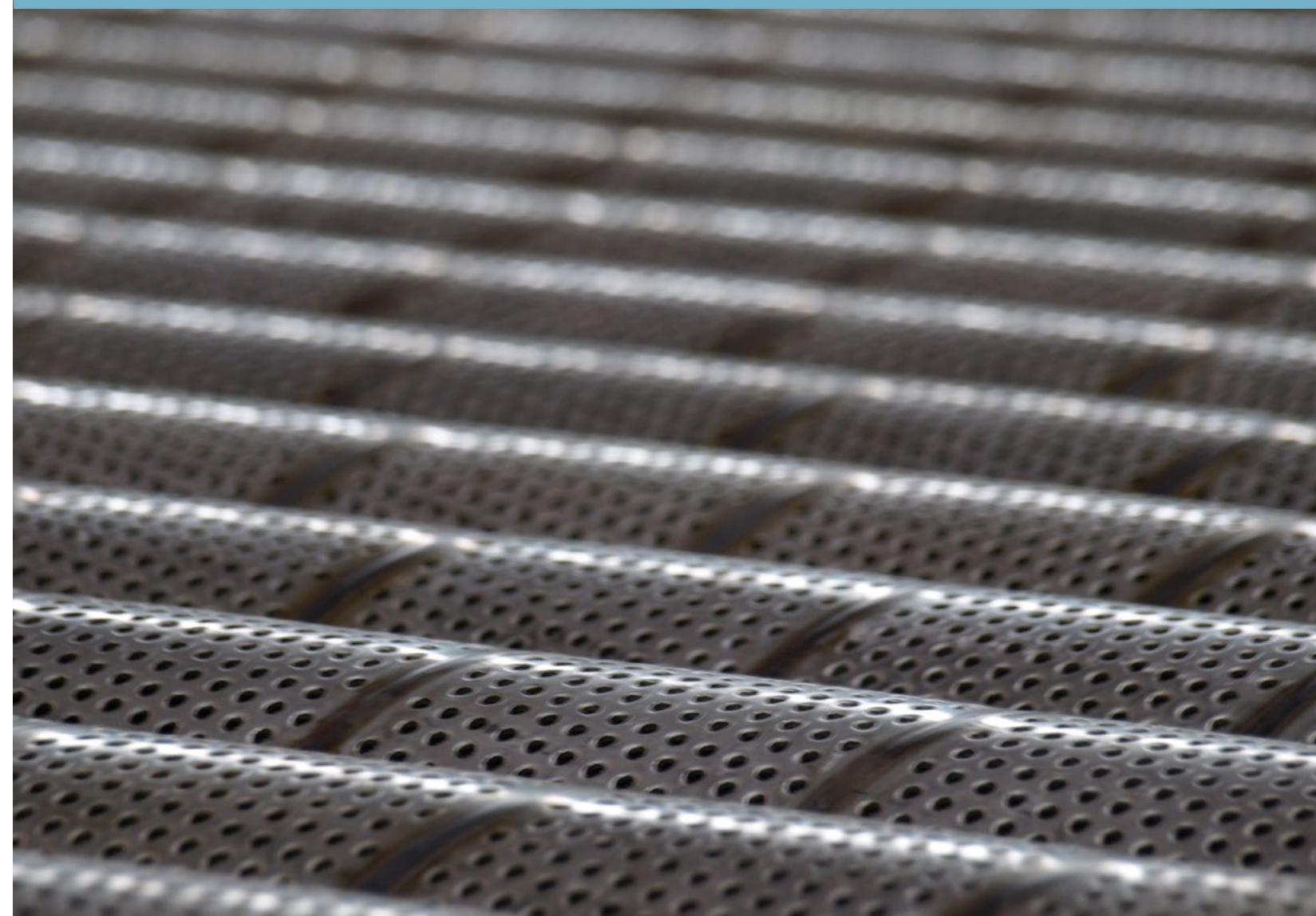
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Well Screens

COMPLETION SERVICES



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Description

Superior Completion Services' patented Screen Communication System utilizes the annular space between the OD of the screen base pipe and the ID of the screen wrap or laminate as a flow conduit for fluid returns during gravel-pack operations and, later, production flow. The system interconnects this annular space among multiple screens with a special coupling to form a continuous flow path from the top of the screened interval to the bottom. This promotes efficient placement of the gravel-pack media and can be optimized to facilitate uniform production or injection when flowing through a production sliding sleeve located beneath the screen.

Applications

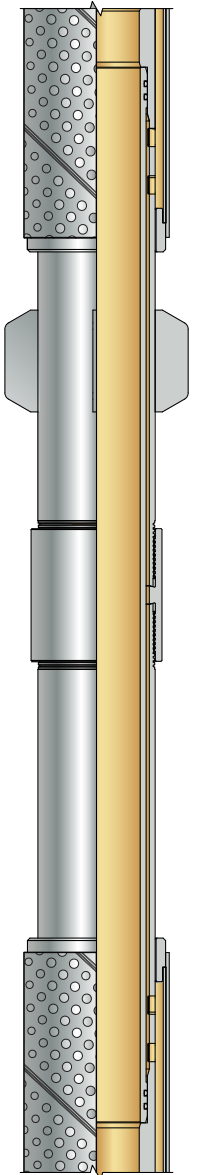
- » Sand control
- » Features and Benefits
- » Allows circulation along the entire screen interval during gravel-packing operations
- » Allows gravel placement in the circulating mode using isolation screen systems
- » Provides flow communication throughout entire screened interval during production

Technical Data

Screen Communication System									
Base Pipe OD		Screen OD		Minimum System ID		Screen Communication ID		Minimum Flow Area	
in.	mm	in.	mm	in.	mm	in.	mm	in. ²	mm ²
2 3/8	60.33	3.25	82.55	2	50.80	2	50.80	1	645.2
		3.25	82.55	1.875	47.63	2	50.80	1	645.2
4	101.60	4.25	107.95	3	76.20	3	76.20	1.2	774.2
		4.25	107.95	2.813	71.45	3	76.20	1.2	774.2
4 1/2	114.30	5.11	129.79	3.5	88.90	3.5	88.90	1.8	1,161.30
		5.11	129.79	3.313	84.15	3.5	88.90	1.8	1,161.30
5	127.00	6.25	158.75	3.83	97.28	4.03	102.36	5	3,225.80

References

- » Complete™ MST system data sheet



ProWeld™ Well Screens

ProWeld™ Well Screens

Description

Superior Completion Services' ProWeld™ Well Screens, a slip on wire wrap jacket attached to the base pipe, are tough, long-lasting screens designed for gravel-pack and standalone screen installations in cased- and openhole environments. Superior Completion Services combine innovative wire-wrap technology and advanced manufacturing processes to create ProWeld Screens. The result is a product that outperforms conventional wire-wrap screens with superior strength and extended service life. Gauge accuracy is validated via use of "state of the art" photometric measuring device when required.

Applications

- » Cased and openhole environments
- » Particularly well suited for fracturing, high-rate gravel-pack and standalone operations

Features and Benefits

- » Innovative wire shape provides maximum erosion resistance and strength compared with standard configurations
- » Higher number of ribs provides greater strength and tolerance for the life of the screen
- » Improved design reduces washouts caused by necking of wrap wire
- » Heavy-duty construction enables the screen jacket to maintain gauge tolerance
- » Superior Completion Services is capable of shaping custom wire configurations with our own in-house wire-shaping mill
- » Conventional and heavy-duty (HD) wire options are standard



Technical Data

ProWeld™ Well Screens														
Base Pipe OD		Base Pipe Weight		Perforations				Standard Screen OD		HD Screen OD		Inlet Area		
				Size		Hole Spacing						0.006 in. Slot	0.008 in. Slot	0.012 in. Slot
in.	mm	lb/ft	kg/m	in.	mm	holes/ft	holes/m	in.	mm	in.	mm	in. ² /ft	in. ² /ft	in. ² /ft
ProWeld Well Screens														
2.375	60.33	4.6	6.8	3/8	9.53	48	157	2.89	73.41	2.94	74.68	6.85	8.92	12.84
2.875	73.03	6.4	9.5	3/8	9.53	48	157	3.39	86.11	3.44	87.38	8.04	10.47	15.06
3.500	88.90	9.2	13.7	3/8	9.53	60	197	4.01	101.85	4.06	103.12	9.53	12.40	17.84
4.000	101.60	9.5	14.1	3/8	9.53	60	197	4.51	114.55	4.56	115.82	10.71	13.95	20.07
4.500	114.30	11.6	17.3	3/8	9.53	72	236	5.05	128.27	5.10	129.54	11.98	15.60	22.44
5.000	127.00	15.0	22.3	3/8	9.53	72	236	5.55	140.97	5.60	142.24	13.18	17.16	24.69
5.500	139.70	17.0	25.3	3/8	9.53	84	276	6.06	153.92	6.11	155.19	14.38	18.72	26.94
6.625	168.28	24.0	35.7	3/8	9.53	84	276	7.20	182.88	7.25	184.15	17.09	22.25	32.01
7.000	177.80	23.0	34.2	3/8	9.53	96	315	7.58	192.53	7.63	193.80	18.00	23.43	33.72

Metallurgy: Screens available in 316L or nickel alloy 825; base pipe available in a multitude of materials upon request.
 Wire wrap: Standard wire width is 0.090 in. (2.286 mm). House-design wire-wrap slot depth is 0.100 in. (2.54 mm).
 ProWeld TOP screens feature house-shaped wire for maximum erosion resistance.

References

- » Wire-wrapped and premium well screens brochure

ProWeld™ TOP Well Screens

Description

Superior Completion Services' ProWeld™ TOP is a wire jacket directly wrapped to the base pipe providing a shrink fit coupled jacket delivering a robust, long-lasting screen designed for extended reach and long horizontal laterals as gravel-pack and standalone screen installations in cased and openhole environments. Superior Completion combines innovative wire-wrap technology and advanced manufacturing processes to create ProWeld™ TOP Screens. The result is a product that outperforms conventional wire-wrap screens with superior strength and extended service life. Gauge accuracy is validated via use of "state of the art" photometric measuring device when required.

Applications

- » Long extended reach and horizontal wells
- » Standalone screen with Inflow Control Device, ICD
- » Cased and openhole environments
- » Particularly well suited for fracturing, high-rate gravel-pack and standalone operations

Features and Benefits

- » Innovative wire shape provides maximum erosion resistance and strength compared with standard configurations
- » Higher number of ribs provides greater strength and tolerance for the life of the screen
- » Improved design reduces washouts caused by necking of wrap wire
- » Heavy-duty construction enables the screen jacket to maintain gauge tolerance
- » Superior Completion Services is capable of shaping custom wire configurations with our own in-house wire-shaping mill
- » Conventional and heavy-duty (HD) wire options are standard



ProWeld™ TOP Well Screens

Technical Data

ProWeld TOP Well Screens														
Base Pipe OD		Base Pipe Weight		Perforations				Standard Screen OD		HD Screen OD		Inlet Area		
				Size		Hole Spacing						0.006 in. Slot	0.008 in. Slot	0.012 in. Slot
in.	mm	lb/ft	kg/m	in.	mm	holes/ft	holes/m	in.	mm	in.	mm	in. ² /ft	in. ² /ft	in. ² /ft
2.375	60.33	4.6	6.8	3/8	9.53	48	157	2.81	71.37	2.86	72.64	6.66	8.67	12.48
2.875	73.03	6.4	9.5	3/8	9.53	48	157	3.31	84.07	3.36	85.34	7.85	10.22	14.71
3.500	88.90	9.2	13.7	3/8	9.53	60	197	3.93	99.82	3.98	101.09	9.34	12.15	17.49
4.000	101.60	9.5	14.1	3/8	9.53	60	197	4.43	112.52	4.48	113.79	10.52	13.70	19.71
4.500	114.30	11.6	17.3	3/8	9.53	72	236	4.95	125.73	5.00	127.00	11.74	15.29	22.00
5.000	127.00	15.0	22.3	3/8	9.53	72	236	5.45	138.43	5.50	139.70	12.94	16.85	24.24
5.500	139.70	17.0	25.3	3/8	9.53	84	276	5.96	151.38	6.01	152.65	14.14	18.41	26.49
6.625	168.28	24.0	35.7	3/8	9.53	84	276	7.09	180.09	7.14	181.36	16.84	21.92	31.55
7.000	177.80	23.0	34.2	3/8	9.53	96	315	7.47	189.74	7.52	191.01	17.74	23.09	33.23

Metallurgy: Screens available in 316L or nickel alloy 825; base pipe available in a multitude of materials upon request.
 Wire wrap: Standard wire width is 0.090 in. (2.286 mm). House-design wire-wrap slot depth is 0.100 in. (2.54 mm).
 ProWeld TOP screens feature house-shaped wire for maximum erosion resistance.

References

Wire-wrapped and premium well screens brochure

DynaFlo™ DB Well Screens

DynaFlo™ DB Well Screens

Description

Superior Completion Services' DynaFlo™ Diffusion-Bonded (DB) Well Screens are heavy-duty premium sand-exclusion screens designed for use in gravel-pack and standalone screen installations in cased and openhole environments. DB screens offer 30 to 40% greater surface area than deep-media screens.

DynaFlo™ DB Well Screens incorporate DB-laminated filter media comprised of either three or four layers of wire mesh selected to provide accurate particle size control while maximizing flow rate and strength. The DB filter media is protected by an outer perforated shroud. The entire assembly is welded onto a specified base pipe to provide a rugged sand-exclusion screen. The base pipe is either perforated (standard) or nonperforated with special production control valves positioned as needed.

Applications

- » Sand control
- » High-rate water packs, fracturing and openhole environments
- » Vertical, deviated or horizontal wells
- » Horizontal open hole completions with Inflow Control Device, ICD

Features and Benefits

- » Extensive selection of media available for a wide range of formation sand sizes to optimize sand control effectiveness
- » Fixed pore geometry enhances sand control under high operating pressures
- » Enhanced screen properties include rigidity, strength, and resistance to distortion, abrasion and vibration
- » Mesh porosity: 55% minimum
- » Multiple-layered design incorporates filtration and drainage layers into a single rigid cartridge



Technical Data

DynaFlo™ DB Well Screens									
Base Pipe OD		Base Pipe Weight		Perforations				Screen OD	
				Size		Hole Spacing			
in.	mm	lb/ft	kg/m	in.	mm	holes/ft	holes/m	in.	mm
2.375	60.33	4.6	6.85	0.375	9.53	48	157	3.08	78.23
2.875	73.03	6.4	9.52	0.375	9.53	48	157	3.58	90.93
3.5	88.90	9.2	13.69	0.375	9.53	60	197	4.2	106.68
4	101.60	9.5	14.14	0.375	9.53	60	197	4.7	119.38
4.5	114.30	11.6	17.26	0.375	9.53	72	236	5.2	132.08
5	127.00	15	22.23	0.375	9.53	72	236	5.7	144.78
5.5	139.70	17	25.32	0.375	9.53	84	276	6.2	157.48
6.625	169.3	24	35.72	0.375	9.53	84	276	7.33	186.18

Metallurgy: Mesh available in 316L or nickel alloy 20; base pipe available in a multitude of materials upon request.
Nominal weave micron ratings: 75, 100, 125, 135, 150, 175, 200, 225, 250, 275.

References

- » Wire-wrapped and premium well screens brochure

UniFlo™ HELICAL Inflow Control Screen

Description

Superior Completion Services' UniFlo™ Production/Injection Control Well Screens balance and distribute the flow of fluid along horizontal wellbores. This screen system includes an integral helical design inflow control device (ICD). In producing wells, drawdown pressure is distributed along the wellbore length to achieve balanced production. In injection wells, the injection pressure is distributed along the wellbore to achieve balanced injection.

Fluid flow distribution is achieved by creating flow resistance at selected locations along the wellbore. Since energy is conserved in closed systems, reducing the flowing kinetic energy at one location can increase the potential energy at another location. The UniFlo™ System can utilize orifice and nozzle designs, labyrinth designs, long channel designs, and combinations of the various methods to create this resistance, in both fixed and adjustable configurations.

In applications requiring sand control, the screens are configured to retain either the formation material or the gravel-pack sand. In more competent rock applications, the screens are configured as debris filters.

Superior Completion Services can provide custom designs according to the precise needs of the application. This is accomplished with an in-house design tool that considers the fluid properties, flowing properties, required size, required pressure setting and flow velocities. Since these ICDs are designed precisely, accuracy of the application is not jeopardized by having to best-fit a limited number of ICD designs to the well.

Applications

- » Sand control
- » Horizontal wellbores; producing and injection wells
- » High rate gas wells to reduce heading due to water encroachment, passive choking of the water
- » Oil viscosities $\leq 2\text{cP}$

Features and Benefits

- » Can be manufactured with direct-wrap jackets or with premium mesh filtration cartridges
- » Uniform production/injection by reducing inflow at the heel and increasing inflow at the toe
- » Prevention of early water and/or gas breakthrough
- » Increase in ultimate total recovery
- » Uniform injectivity



UniFlo™ HELICAL Inflow Control Screen

Technical Data

UniFlo™ HELICAL Screen			
Base Pipe OD		Maximum OD	
in.	mm	lb/ft	kg/m
2.88	73.15	3.98	101.1
3.5	88.90	4.52	114.8
4	101.60	5.08	129
4.5	114.30	5.52	140.2
5.5	139.70	6.54	166.1
6.63	168.40	7.69	195.3

References

- » Wire-wrapped and premium well screens brochure

UniFlo™ ROI Inflow Control Screen

UniFlo™ ROI Inflow Control Screen

Description

Superior Completion Services' UniFlo™ Production/Injection Control Well Screens balance and distribute the flow of fluid along horizontal wellbores. This screen system includes an integral Radial Orifice ICD, ROI, design inflow control device (ICD). In producing wells, drawdown pressure is distributed along the wellbore length to achieve balanced production. In injection wells, the injection pressure is distributed along the wellbore to achieve balanced injection.

Fluid flow distribution is achieved by creating flow resistance at selected locations along the wellbore. Since energy is conserved in closed systems, reducing the flowing kinetic energy at one location can increase the potential energy at another location. The UniFlo system can utilize orifice and nozzle designs, labyrinth designs, long channel designs, and combinations of the various methods to create this resistance, in both fixed and adjustable configurations.

In applications requiring sand control, the screens are configured to retain either the formation material or the gravel-pack sand. In more competent rock applications, the screens are configured as debris filters.

Superior Completion Services can provide custom designs according to the precise needs of the application. This is accomplished with an industry available design tool that considers the fluid properties, flowing properties, required size, required pressure setting and flow velocities. Since these ICDs are designed precisely, accuracy of the application is not jeopardized by having to best-fit a limited number of ICD designs to the well.

Applications

- » Sand control
- » Horizontal wellbores; producing and injection wells

Features and Benefits

- » Can be manufactured with slip-on wire-wrap jackets, direct-wrap jackets or with premium mesh filtration cartridges
- » Uniform production by reducing inflow at the heel and increasing inflow at the toe
- » Prevention of early water and/or gas breakthrough
- » Increase in ultimate total recovery
- » Uniform injectivity



Technical Data

Uniflo™ ROI Screen			
Base Pipe OD		Screen OD	
in.	mm	in.	mm
2 3/8	60.33	3.47	88.14
2 7/8	73.03	3.97	100.84
3 1/2	88.90	4.61	117.09
4	101.60	5.11	129.79
4 1/2	114.30	5.61	142.49
5	127.00	6.11	155.19
5 1/2	139.70	6.63	168.40
6 5/8	168.28	7.72	196.08

References

- » Wire-wrapped and premium well screens brochure

SlimFlo™ Pre-Packed Well Screens

Description

Superior Completion Services' SlimFlo™ Pre-Packed Well Screens are designed with large spacer ribs on the outer screen for better concentricity and higher flow capacity. Used in conjunction with gravel packs, these robust screens provide an additional level of protection against erosion during sand placement and help overcome voids in the gravel pack.

Applications

- » Sand control
- » High-rate water, gravel- and frac-pack operations
- » Openhole and horizontal completions

Features and Benefits

- » Designed to have an annular prepack of 0.200 in. (5.08 mm) or greater
- » Uses keystone- or house-design wrapped wire
- » Pre-packing process helps ensure void-free, tight, uniform sand packs
- » Intermittent spacer ribs maintain concentricity and ensure a uniform pack annulus
- » Protects against erosion during sand placement
- » Provides barrier to sand production through voids in the gravel pack
- » Greater number of ribs increases tensile strength and provides a rounder, smoother jacket surface
- » Available in standard and heavy-duty (HD) options



SlimFlo™ Pre-Packed Well Screens

Technical Data

SlimFlo Pre-Packed Well Screens								
Base Pipe OD		Standard Screen OD		HD Screen OD		Inlet Area		
						0.006 in. Slot	0.008 in. Slot	0.012 in. Slot
in.	mm	in.	mm	in.	mm	in ² /ft	in ² /ft	in ² /ft
2.375	60.33	3.18	80.77	3.23	82.04	7.54	9.81	14.12
2.875	73.03	3.68	93.47	3.73	94.74	8.73	11.36	16.35
3.5	88.90	4.3	109.2	4.35	110.49	10.21	13.29	19.13
4	101.60	4.8	121.92	4.85	123.19	11.4	14.84	21.35
4.5	114.30	5.32	135.13	5.37	136.40	12.64	16.45	23.67
5	127.00	5.82	147.83	5.87	149.10	13.82	17.99	25.89
5.5	139.70	6.32	160.53	6.37	161.80	15.01	19.54	28.11
6.625	168.28	7.45	189.23	7.50	190.50	17.69	23.03	33.14
7	177.80	7.83	198.88	7.88	200.15	18.6	24.21	34.83

Metallurgy: Screens available in 316L or nickel alloy 825; base pipe available in a multitude of materials upon request.

Wire wrap: Standard wire width is 0.090 in. (2.286 mm); a thinner wire width is available for additional flow area. House-design wire-wrap slot depth is 0.100 in. (2.54 mm) compared to 0.010 in. (0.254 mm) for keystone. Standard SlimFlo screens use keystone-shaped wire; and, SlimFlo HD screens feature house-shaped wire for maximum erosion resistance.

References

- » Wire-wrapped and premium well screens brochure

CoilFlo™ DB Well Screens

Description

Superior Completion Services' CoilFlo™ Diffusion-Bonded (DB) Well Screens are innovative sand control products that enable economical through-tubing completions to be performed with coiled tubing (CT) or wireline. DB screens offer 30 to 40% greater surface area than deep-media screens.

CoilFlo™ DB Well Screens incorporate DB laminated filter media comprised of either three or four layers of wire mesh selected to provide accurate particle size control while maximizing flow rate and strength. This filter media is protected by a perforated outer shroud.

Applications

- » Sand control
- » Through-tubing completions on CT or wireline
- » Vertical, deviated or horizontal wells

Features and Benefits

- » Extensive selection of media available for a wide range of formation sand sizes to optimize sand control effectiveness
- » Fixed pore geometry enhances sand control under high operating pressures
- » Enhanced screen properties include rigidity, strength, and resistance to distortion, abrasion and vibration
- » Mesh porosity: 55% minimum
- » Nonstandard screen lengths are available upon request
- » Multiple-layered design incorporates filtration and drainage layers into a single rigid cartridge



CoilFlo™ DB Well Screens

Technical Data

CoilFlo™ DB Well Screens													
Base Pipe OD		Base Pipe ID		Screen OD		Screen weight		Coupling OD		Standard Length			
in.	mm	in.	mm	in.	mm	lb/ft	kg/m	in.	mm	Total Length		Screen Length	
										ft	m	ft	m
1.315	33.40	1.049	26.6	1.7	43.2	2.9	4.3	1.66	42.2	11.25	3.43	8	2.44
1.66	42.16	1.38	35.1	2.05	52.1	3.8	5.6	2.054	52.2	11.25	3.43	8	2.44
1.9	48.26	1.61	40.9	2.3	58.4	4.4	6.5	2.2	55.9	11.25	3.43	8	2.44
2.063	52.40	1.751	44.5	2.46	62.5	5	7.4	2.5	63.5	11.25	3.43	8	2.44

Metallurgy: Mesh available in 316L and nickel alloy 20; base pipe available in a multitude of materials upon request.
Nominal weave micron rating: 75, 100, 125, 135, 150, 175, 200, 225, 250, 275.

References

- » Wire-wrapped and premium well screens brochure

Screen-Wrapped Multiservice Valves

Screen-Wrapped Multiservice Valves

Description

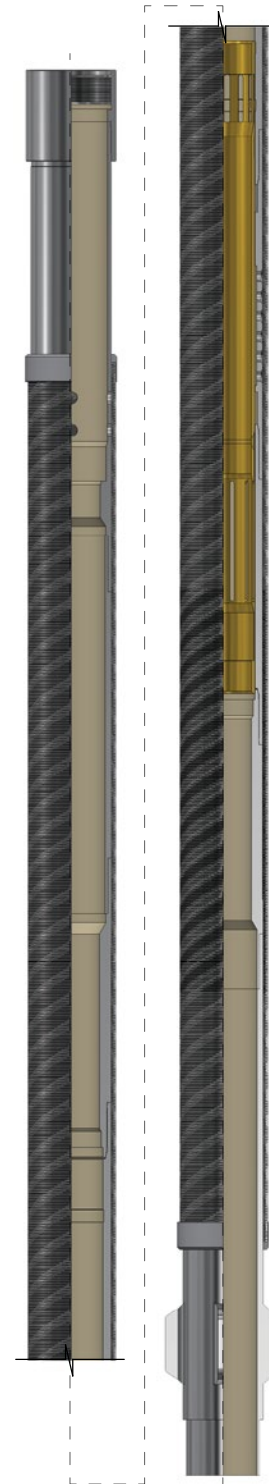
Superior Completion Services' Screen-Wrapped Multiservice Valve (MSV) integrates Superior Completion's standard MSV into the base pipe of the production screen. This design allows a maximum system ID while still providing selective production control. The screen communication system may be used when running multiple joints to ensure proper pack placement and provide an alternate flow path for production. The system can also be used in slimhole applications and is run exclusively with the ComPlete™ multizone single-trip system.

Applications

- » Slimhole completions
- » Multizone single-trip completions
- » Ultradeep completions

Features and Benefits

- » Optimized OD/ID ratio
- » Selective production capability
- » Positive zone isolation



Technical Data

Available sizes 2 1/8 to 7 in. (52.4 to 177.8 mm)

Differential pressure rating up to 15,000 psi (103.4 MPa)

Temperature rating up to 350°F (177°C)

Screen Wrapped MSV							
Base Pipe OD		MSV Profile ID		Minimum Screen OD		Screen Joint Length	
in.	mm	in.	mm	in.	mm	ft	m
2 3/8	60.33	1.875	47.63	3.12	79.25	10 - 40	3.0 - 12.2
2 7/8	73.03	2.313	58.75	3.62	91.95	10 - 40	3.0 - 12.2
3 1/2	88.90	2.813	71.45	4.26	108.20	10 - 40	3.0 - 12.2
4	101.60	2.813	71.45	4.57	116.10	10 - 40	3.0 - 12.2
4 1/2	114.30	3.313	84.15	5.11	129.79	10 - 40	3.0 - 12.2
6	152.40	4.500	114.30	6.73	170.94	10 - 40	3.0 - 12.2
Screen Wrapped MSV For Multizone System							
4	101.60	2.84	72.14	4.57	116.09	10 - 40	3.0 - 12.2
5	127.00	3.83	97.28	6.25	158.75	10 - 40	3.0 - 12.2
6 5/8	168.28	5.26	133.60	7.53	191.26	10 - 40	3.0 - 12.2

References

- » ComPlete™ MST system data sheet
- » Multiprofile multiservice valve data sheet
- » Multiservice valve data sheet
- » Screen communication system data sheet
- » Wire-wrapped and premium well screens brochure

EconoFlo™ Well Screens

EconoFlo™ Well Screens

Description

EconoFlo™ is an economical woven or stacked metal mesh screen solution that delivers premium performance for use in brown fields, heavy oil, and wherever steam cycling or injection is required. When the economics of an application do not merit the premium cost of a preferred metal mesh screen with larger inflow area, EconoFlo™ is the answer.

EconoFlo™ consists of a single layer of woven mesh material or a stacked layer of square weaves. It can be equipped with a drainage layer for use in applications requiring Inflow Control Devices (ICD) for balanced inflow control or sliding sleeves for on/off control. EconoFlo™ offers flow-through areas ranging from 40% to 60% depending on the designed micron rating of the filter layer.

EconoFlo™ offers a premium solution as a qualified and field-proven product when thermal cycling is required in Cyclic Steam Stimulation, Steam Injectors, or Steam Assisted Gravity Drain applications. Many customers default to the use of slotted liners and wire-wrap jacket screens on the basis of cost alone. However, slotted liners have limited inflow areas, from 3% to 5%, and wire-wrap jackets only offer inflow areas that range from 6% to 12% depending on the slot opening size. The inherent challenges of these types of solutions are their tendency to plug or produce sand over time and to not withstand the multiple thermal cycling effects during steaming operations.

EconoFlo™ has much higher inflow areas, up to ten times greater than traditionally used slotted liners and wire-wrap jackets. It continues to function long after plugging would be encountered with other options and its free-floating jacket enables use in cyclic temperature environments. EconoFlo™ can also be used as a standalone solution in lieu of the more expensive method of gravel packing. EconoFlo™ can extend the time between production and re-drilling due to plugged screens by months or years, if not until the end of the well's production life cycle.

Applications

- » Low cost environments (brown fields & heavy oil)
- » Thermal cycling
- » Standalone screen
- » Run with Inflow Control Devices (ICD)
- » Install with sliding sleeves



Features and Benefits

- » Metal mesh design offers up to ten times greater inflow area than other options
- » Low cost — competitive with slotted liners and wire-wrap jackets
- » Minimized manufacturing cost delivers a low cost solution with premium performance
- » Large 316Lss wire diameters used in weaved or stacked mesh design permits the use of acid treatments without loss of sand control
- » Swaging filter assembly to base pipe eliminates any need for welding
- » Free-floating jacket enables movement of the screen assembly independent of the base pipe in thermal applications
- » Inner drainage layer allows compatibility with inflow control devices and sliding sleeves
- » Incorporation of Inflow Control Devices (ICD) and sliding sleeves enables balanced inflow control and on/off control
- » Multi-Pore Geometry (MPG), or a bi-modal distribution metal mesh option provides varied apertures throughout the filter media — ideal for when sand grain distribution would normally require gravel packing and standalone screen is preferred
- » Mid-joint break accommodating use of centralizers

Technical Data

Available sizes 2.375 to 6.625 in. (60.3 to 168.3 mm)
 Temperature rating up to 650°F (343°C)

EconoFlo™ Well Screen									
Base Pipe OD		Base Pipe Weight		Perforations				Screen OD	
				Size		Hole Spacing			
in.	mm	lb/ft	kg/m	in.	mm	holes/ft	holes/m	in.	mm
2.375	60.33	4.6	6.85	0.375	9.53	48	157	2.875	73.03
2.875	73.003	6.4	9.52	0.375	9.53	48	157	3.375	85.73
3.5	88.9	9.2	13.69	0.375	9.53	60	197	4.000	101.60
4	101.6	9.5	14.14	0.375	9.53	60	197	4.500	114.30
4.5	114.3	11.6	17.26	0.375	9.53	72	236	5.000	127.00
5	127	15	22.23	0.375	9.53	72	236	5.500	139.70
5.5	139.7	17	25.32	0.375	9.53	84	276	6.000	152.40
6.625	169.3	24	65.72	0.375	9.53	84	276	7.125	180.98

Metallurgy: Mesh available in 316L; base pipe available in a multitude of materials upon request. Multi-mode and single mode weave micron ratings available.

Description

SureFlo™ is a premium mesh screen using diffusion bonding techniques which allows the manufacture of the filter media with “NO” welding on the filter material itself. By its mere design, the product is very robust with the mechanical strengths approaching that of a direct wrap on pipe wire jacket screen such as our ProWeld™ TOP product. SureFlo™ is designed to be run in rugged environments such as long open hole horizontal sections and extended reach drilling applications where the need to push/pull or rotate the downhole sand face completion assembly to the desired depth might be necessary.

SureFlo™ offers flexibility when it comes to customized screen design. Its modular design creates an ease of manufacture to accommodate accessories such as centralizers, swellbale packers, and blank sections to fit each application. SureFlo offers the multi-layer filter media and protective perforated shroud diffusion bonded together as a single unit increasing the robustness of end product.

Applications

» Open Hole

- › High pull/push off values required to reach target depth
- › Long horizontal sections
- › Standlone screen, SAS
- › Gravel packed

» Cased hole

- › High collapse resistance required
- › Frac pack
- › Gravel packed

Features and Benefits

- » Combining the mesh filter layer and the protective shroud into a single component leads to increased overall strength.
- » Combined filter mesh, drainage mesh and protective shroud creating a monolithic robust fit for use assembly.
- » Filter lengths of 4 foot sections accommodate customization without impacting lead times.
- » No end rings required reducing the overall outside diameter of SureFlo over 10% less than the customary premium mesh screens.
- » Optimized manufacturing process yielding significant cost savings to the end user.
- » Filter layer available in a multitude of configurations and micron sizes accommodating “fit for purpose” design.



Technical Data

Available sizes 2.375 to 6.625 in. (60.3 to 168.3 mm)

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