

proWRAP™

Wire-Wrapped Screen

RGL's proWRAP sand control device (SCD) is a direct or slip on wire-wrapped screen positioned over top of a slotted or perforated base pipe. Longitudinal 'rib wires' are placed on the circumference of the pipe, whereby profiled 'wrap wires' are wrapped around the rib wires and contact welded in place to form a continuous helical slot along the screen section. proWRAP provides high mechanical strength and superior corrosion and plugging resistance.

proWRAP offers a variety of wire profiles, materials, and base pipe perforation and slotting patterns to ensure sand control performance meets the application.

proWRAP is manufactured in an API Q1™ and ISO 9001:2015 certified facility using ISO Grade VI Validation wire wrap.



Features and Benefits

- Large open flow area (5 to 20% or more)
- Corrosion resistant stainless steel (304L or 316L)
- Plugging resistant keystone profile
- High strength slotted or perforated base pipe
- High flow rate with low pressure drop

Applications

- Openhole standalone completions
- Secondary liner completions
- Cased and perforated completions
- Horizontal, deviated, and vertical wells
- Producer, injector, and infill wells
- Ideal for medium to high velocity wells

Options

- RGL proLAB™ Sand Control Lab Testing and modelling
- High-grade alloys
- Custom slotting and perforating patterns
- Multiple casing grades available with 13 Chrome and 28 Chrome coating options
- Finite Element Analysis (FEA) for installation and thermal loadings
- Patented non-welded or welded end caps
- Direct Wrap or Slip-on Jacket



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Technical Specifications								
Description	Basepipe Size, in. (mm)							
		4.5 (114.4)	5 (127)	5.5 (139.7)	6.5 (165.1)	7 (177.8)	8.63 (219.2)	9.63 (244.6)
Basepipe Weight, lb/ft (kg/m)	kg/m	17.26	22.32	25.3	35.72	34.23	53.57	59.53
	lb/ft	11.6	15	17	24	23	36	40
Basepipe ID	mm	101.6	111.96	124.26	150.40	161.7	198.76	224.4
	in.	4	4.41	4.89	5.92	6.37	7.83	8.84
Joint length	m / ft	Range 1- Range 3: 4.88 - 14.63 / 16 - 48						
proWRAP™ OD	mm	Varies						
Screen length	m / ft	Up to 12.63 / 41.44						
Aperture size	mm / in.	0.15 - 0.635 / 0.006 - 0.025						
Aperture tolerance	mm / in.	98% at +0.025 / -0.05 / +0.01 / -0.01, 99.5% at +0.05 / -0.08 / +0.01/-0.01, 100% at +0.10 / +0.01 or less						
OFA of screen	%	6-22						
Port diameter	mm / in.	9.5 or 12.7 / 0.38 or 0.5						
*Ports/unit length	/m	210	236	262	289	315	341	420
	/ft	64	72	80	88	96	104	128
*Total basepipe port flow area	m ² /m	0.015	0.017	0.019	0.021	0.022	0.024	0.03
	in ² /ft	7.07	7.95	8.84	9.72	10.60	11.49	14.14
Basepipe capacity (axial)	m ³ /m	0.008	0.01	0.012	0.018	0.021	0.031	0.04
	ft ³ /ft	0.087	0.106	0.131	0.191	0.221	0.334	0.426
OFA of basepipe	%	3-5						

Notes: For reference only. Dimensions are subject to change.

Additional Product Information:

1. End field connections to suit customer requirements
2. Basepipes are available in perforated pipe or slotted liner options
3. Additional base pipe and screen specifications are available upon request.

