

proMESH™

Woven Metal Mesh Screen

RGL's proMESH™ is a sand control device (SCD) that consists of multiple mesh technologies positioned over top of a slotted or perforated base pipe. Typical mesh layers include a support core, filter media, drainage layer, and protective shroud. The filter media is the core of the sand control mechanism and is engineered to meet the reservoir requirements. proMESH is designed to filter a high percentage of sands and is used in high velocity wells.

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

proMESH is manufactured in an API Q1™ and ISO 9001:2015 certified facility.



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 basepipe
- High flow rate with low pressure drop
- Flexibility in design and production

Applications

- Openhole standalone completions
- Secondary liner completions
- Cased and perforated completions
- Horizontal, deviated, and vertical wells
- Producer, injector, and infill wells
- Ideal for 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
- Sand Control options include proWRAP™, proPUNCH™, and proMESH™



proMESH™

Technical Specifications								
Description	Basepipe Size, in. (mm)							
		4.5 (114.3)	5 (127)	5.5 (139.7)	6.5 (168.23)	7 (177.8)	8.63 (219.08)	9.63 (244.48)
Basepipe Weight	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
Base pipe ID	mm	101.6	111.96	124.26	150.40	161.7	198.76	224.4
	in.	4	4.408	4.892	5.921	6.366	7.825	8.835
Joint length	m / ft	Range 1- Range 3: 4.88 - 14.63 / 16 - 48						
proMESH™ OD	mm	Varies						
Screen length	°C / °F	2.88 - 12.63 / 9.45- 41.44						
Filtration media type	-	Woven Metal Mesh						
Weave Type	-	Regular/ Advanced/ Superior						
Slit range	-	Varies						
Slit tolerance	mm / in.	±1.02 / ±0.040						
Port diameter	mm / in.	9.5 or 12.7 / 0.375 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	m²/m	0.015	0.017	0.019	0.021	0.022	0.024	0.030
	in²/ft	7.07	7.95	8.84	9.72	10.60	11.49	14.14
Basepipe capacity (axial)	m³/m	0.008	0.010	0.012	0.018	0.0205	0.031	0.040
	ft³/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:

**Based on port diameter of 9.5 mm / 0.375 in.

Additional base pipe and screen specifications are available upon request.

