



## How Rotorflush Products meet Environment Agency Guidelines for Eel and Elver Protection

<b>Pump Size</b>  (inlet/delivery bore size mm)	<b>QMax</b>  (litres/sec (cumecs))	<b>Glass Eel / Elver Protection</b>  (required screening surface area for 2mm gap size and 0.15 m/sec approach velocity) in m <sup>2</sup>	<b>Rotorflush Solution / Product</b>  (2mm perforated mesh has 40% open area this is accounted for in approach velocity)	<b>Small Yellow Eel Protection</b>  (Required screening surface area for 3mm gap size and 0.20 m/sec approach velocity) in m <sup>2</sup> .	<b>Rotorflush Solution / Product</b>  3mm perforated mesh has 50% open area this is accounted for in approach velocity	<b>Large yellow Eel / Silver Eel Protection</b>  (required screening surface area for 10mm gap size and 0.30 m/sec approach velocity) in m <sup>2</sup>	<b>Rotorflush Solution / Product</b>  6mm perforated mesh has 50% open area this is accounted for in approach velocity
50	15 (0.015)	0.20	RF400R 2mm mesh 0.149m/sec	0.15	RF400R 3mm mesh 0.132m/sec	0.10	RF400R 6mm mesh 0.132m/sec
80	34 (0.034)	0.46	RF600-300R 2mm mesh 0.15msec	0.34	RF600-300R 3mm mesh 0.15msec	0.23	RF600-300R 6mm mesh 0.15msec
100	45 (0.045)	0.60	RF600-400R 2mm mesh 0.15m/sec	0.45	RF600-400R 3mm mesh 0.12m/sec	0.30	RF600-400R 6mm mesh 0.12m/sec
150	90 (0.090)	1.20	RF1000-500R 2mm mesh 0.143m/sec	0.90	RF1000-500R 3mm mesh 0.11m/sec	0.60	RF1000-500R 6mm mesh 0.11m/sec
200	161 (0.161)	2.14	RF1500-600R 2mm mesh 0.14m/s	1.61	RF1500-600R 3mm mesh 0.11m/s	1.08	RF1500-600R 6mm mesh 0.11m/s

\*The above assumes a 50% perforation value for the screening material.

Note: The maximum screen aperture we supply is 6mm. 2mm apertures have a 40% open area, 3mm and 6mm have 50% open area. All our pump intake screens are self cleaning with approach velocities between 0.1 and 0.15m/s.

We consider a continuous self-cleaning action is essential to preserve approach velocity values. If a filter starts to block the open area will reduce and the approach velocities will rapidly rise. Our gentle but effective continuous self-cleaning technology protects wildlife.

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