



# Aqua-Guardian™ Sizing Chart (English)

Aqua-Guardian™ Model	Surface Drain Opening Size, <sup>A</sup> or Diameter (inches)	Max. Flow Rate (Filtered + By-pass) (cfs)	Total Filtered Flow Rate (cfs)	Filter Body Diameter <sup>B</sup> (inches)	Filter Body Height <sup>C</sup> (inches)	Sediment/ Debris Storage Capacity (ft <sup>3</sup> )	Oil Removal/ Storage (gallons)
<b>AG-18</b>	<b>18 - 24</b>	<b>1.2</b>	<b>0.9</b>	<b>14</b>	<b>25.5</b>	<b>0.7</b>	<b>1.5</b>
<b>AG-24</b>	<b>24 - 36</b>	<b>1.7</b>	<b>1.2</b>	<b>20</b>	<b>25.5</b>	<b>1.3</b>	<b>3.0</b>
<b>AG-36</b>	<b>36 - 48</b>	<b>2.8</b>	<b>2.1</b>	<b>30</b>	<b>25.5</b>	<b>2.7</b>	<b>7.5</b>

- (A) *Surface Drain Opening Size is determined by the engineer/designer of the drainage system for the site based on standard engineering practices. The Aqua-Guardian™ will correspond to the dimensions of the drain opening and information provided by the engineer/designer. Refer to "Site Worksheet" to complete field measurements of surface drain(s).*
- (B) *A minimum of 2" clearance is required on all sides of the HDPE structure from surface drain opening dimension. A minimum 1" wide support rim is needed on the frame of the surface grate.*
- (C) *Dimension provided is for standard units and is the minimum depth needed between surfaces drain opening and top of discharge pipe.*
- (D) *Care should be taken to note any obstruction(s) or irregularities within the frame of the surface drain opening or grate cover, which could affect the proper fit of the Aqua-Guard™ support collar. Drawings or photographs of the surface drain frame and grate may be needed to supplement the Site Worksheet information.*

The design and orientation of the Aqua-Guardian™ generally entails some degree of customization. For assistance in design and specific sizing using historical rainfall data, please refer to an AquaShield™ representative or go to our web site for more information to locate your representative at [www.AquaShieldInc.com](http://www.AquaShieldInc.com). CAD details and specifications are available upon request.



## Aqua-Guardian™ Sizing Chart (Metric)

Aqua-Guardian™ Model	Surface Drain Opening Size, <sup>A</sup> or Diameter (mm.)	Max. Flow Rate (Filtered + By-pass) (L/s)	Total Filtered Flow Rate (L/s)	Filter Body Diameter <sup>B</sup> (mm.)	Filter Body Height <sup>C</sup> (mm.)	Sediment/ Debris Storage Capacity (m <sup>3</sup> )	Oil Removal/ Storage (L)
<b>AG-18</b>	<b>457 - 610</b>	<b>34</b>	<b>25</b>	<b>356</b>	<b>648</b>	<b>0.02</b>	<b>6</b>
<b>AG-24</b>	<b>610 - 914</b>	<b>48</b>	<b>34</b>	<b>508</b>	<b>648</b>	<b>0.04</b>	<b>11</b>
<b>AG-36</b>	<b>914-1219</b>	<b>79</b>	<b>59</b>	<b>762</b>	<b>648</b>	<b>0.08</b>	<b>28</b>

- (A) *Surface Drain Opening Size is determined by the engineer/designer of the drainage system for the site based on standard engineering practices. The Aqua-Guardian™ will correspond to the dimensions of the drain opening and information provided by the engineer/designer. Refer to "Site Worksheet" to complete field measurements of surface drain(s).*
- (B) *A minimum of 50mm clearance is required on all sides of the HDPE structure from surface drain opening dimension. A minimum 25mm wide support rim is needed on the frame of the surface grate.*
- (C) *Dimension provided is for standard units and is the minimum depth needed between surfaces drain opening and top of discharge pipe.*
- (D) *Care should be taken to note any obstruction(s) or irregularities within the frame of the surface drain opening or grate cover, which could affect the proper fit of the Aqua-Guardian™ support collar. Drawings or photographs of the surface drain frame and grate may be needed to supplement the Site Worksheet information.*

The design and orientation of the Aqua-Guardian™ generally entails some degree of customization. For assistance in design and specific sizing using historical rainfall data, please refer to an AquaShield™ representative or go to our web site for more information to locate your representative at [www.AquaShieldInc.com](http://www.AquaShieldInc.com). CAD details and specifications are available upon request.