



Aqua-Guardian™ Sizing Charts (*English*)

| Aqua-Guardian™ Model | Surface Drain Opening Size,^A or Diameter (inches) | Max. Flow Rate (Filtered + Bypass) (cfs) | Total Filtered Flow Rate (cfs) | Filter Body Diameter^B (inches) | Filter Body Height^C (inches) | Sediment/Debris Storage Capacity (ft³) | Oil Removal/Storage (gallons) |
|-----------------------------|---|---|---|--|--|--|--|
| AG-18 | 18 - 24 | 1.2 | 0.9 | 14 | 25.5 | 0.7 | 1.5 |
| AG-24 | 24 - 36 | 1.7 | 1.2 | 20 | 25.5 | 1.3 | 3.0 |
| AG-36 | 36 - 48 | 2.8 | 2.1 | 30 | 25.5 | 2.7 | 7.5 |

- (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-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. CAD details and specifications are available upon request.



Aqua-Guardian™ Sizing Charts (*Metric*)

| Aqua-Guardian™ Model | Surface Drain Opening Size, ^A or Diameter (mm) | Max. Flow Rate (Filtered + By-pass) (L/s) | Total Filtered Flow Rate (L/s) | Filter Body Diameter ^B (mm) | Filter Body Height ^C (mm) | Sediment/Debris Storage Capacity (m ³) | Oil Removal/Storage (L) |
|----------------------|--|--|-----------------------------------|---|---|---|----------------------------|
| AG-18 | 450 – 600 | 34 | 25 | 350 | 640 | 0.02 | 5.68 |
| AG-24 | 600 – 900 | 48 | 34 | 500 | 640 | 0.04 | 11.68 |
| AG-36 | 900 - 1200 | 79 | 59 | 750 | 640 | 0.08 | 28.39 |

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- (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.*

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