

Flapgates



AWE flapgates have a resilient seal on the frame. All hinge arms have dual hinge points which is a critical aspect of tight sealing. Features are noted in the recommended specification below.

There are many installations where AWE gates have been installed to replace existing Flood Gates or Tide Gates, even Duck Bill type gates.



Flapgate specification

Flapgates may be circular, square or rectangular as the case may be, provided they seal the opening. Suppliers must be able to provide headloss charts or curves. Whether flange or spigot mounted, they shall have the following features:

- Dual hinge arms, each with dual pivot points
- Stops to prevent the flap overturning
- Distance between hinge arms approximately equal to clear opening width
- Neoprene seals of durometer hardness 50-70
- 316ss/ertacetal hinge pins in double shear
- Ertacetal (or equivalent) bushes
- Marine grade aluminium
- Grade 316L if stainless steel
- HDPE (1200mm Max size)
- Unaffected by ultraviolet component of sunlight
- Suitable for light duty and heavy duty

Note: It is important to specify the head that the gate will be exposed to as well as anything else such as pumped flow. Pumped flow applications must be designed for a minimum velocity to ensure that the hinge pins have an effective life.



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