



Established 1906

WT KNOWLES & SONS LIMITED

Technical Data

Murray's Anti-Flood Gully - Code KMAF2 - NAT K515





Introduction

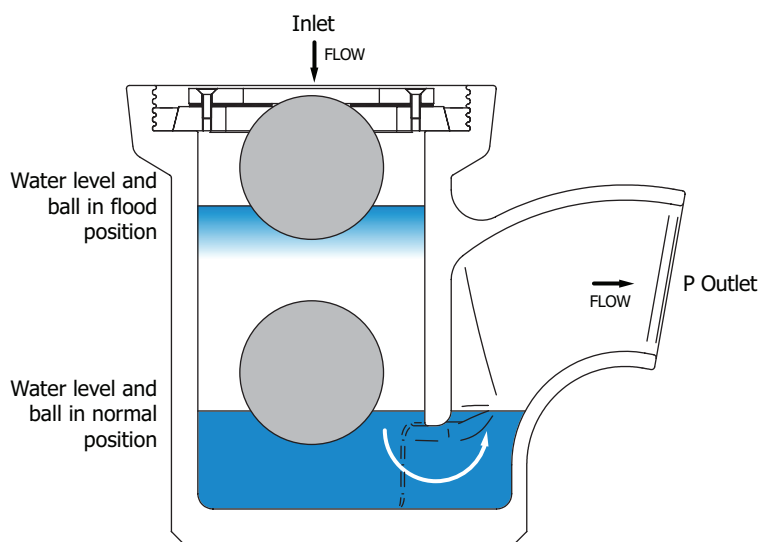
Murray's Anti-Flood Gully is intended for surface water applications only and its purpose is to prevent the backflow of water in the event of flooding in the drainage system.

Construction and Operation

The unit comprises a main body with an outlet connection - (P outlet).

The top of the body is fitted with a fixed baseplate on top of which is mounted a rubber seal and retaining plate.

Within the main chamber, a ball floats on the surface of the water and being buoyant, rises and falls with the water level. Should the drainage system become fully charged with flood water then the ball will rise fully and shut off the flow against the rubber seal.



Installation

This product should not be installed where there could be vehicular access or where there is a possibility of damage to the seal or ball.

Care should be taken to ensure that the main body is installed in as near vertical position as possible and that the position allows for the servicing of the unit with sufficient room provided for the removal of the retaining plate and seal.

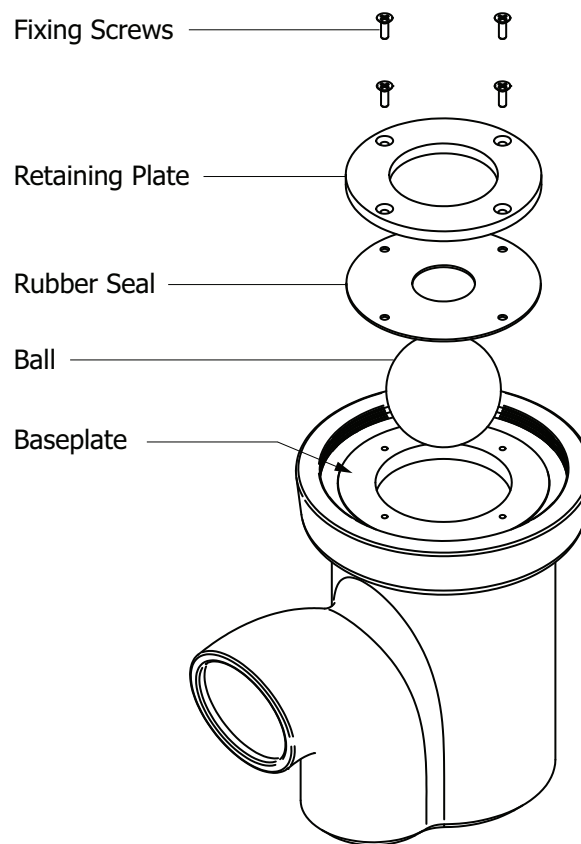
Debris should be prevented from entering the unit during installation.



Servicing

Certain precautions should be observed prior to commencing any servicing work on this product.

- Ensure that eye protection is worn at all times
- Protective gloves should be worn
- If the ball is near the top of the chamber, it should be manually depressed to make sure it is floating and not hard on the seal. Do not attempt to service the product if the ball is fully seated.



- Carefully remove the 4 retaining screws and remove the retaining plate and seal. If the plate is difficult to remove, a slight tap with a soft hammer should free it. Alternatively, a bladed tool such as a screwdriver may be used to lift the plate.
- Remove all debris and ensure the outlet port from the main chamber is clear of any restriction.
- Place a new ball in the chamber and clean the baseplate of any dirt and debris.
- Fit a new seal ensuring that the seal is clean on both sides. Apply a small amount of silicone sealant on the lower face of the seal and spread to cover the face. Align the holes in the seal with the base plate.
- Ensure the retaining plate is clean and carefully fit onto the seal, aligning the screw holes.
- Apply a little grease to the screw threads, fit the screws and tighten in an opposing pattern. Hand tightening of the screws is sufficient.

It is recommended that the product is serviced at 6 month intervals and that all items in the Service Pack are used to ensure satisfactory operation between services.



Spares

Component	Code
Ball	KPB
Retaining plate, seal and screws	KSRP

A service pack comprising ball, seal, retaining plate and screws is available from WT Knowles & Sons Limited.

Size Range

Murray's Anti-Flood Gullies are available with 100mm (KMAF 2/1) and 150mm(KMAF 2/2) diameter 'P' outlets.

Dimensions can be downloaded from www.knowledrainage.co.uk

Technical Help

For technical assistance and price and availability of spare parts contact:-

22-09-2017

W T Knowles and Sons Limited
Ash Grove Pipeworks
Elland
West Yorkshire
HX5 9JA

Tel: 01422 372833
Fax: 01422 37090
Email: sales@wtknowles.co.uk
Website: www.knowledrainage.co.uk
© WT Knowles & Sons Limited 2012