



**HAM  
BAKER  
GROUP**

## Adjustable Belmouth Weirs



X Dia of Outlet Pipe	Minimum Dimension 'E'
100	2 x movement + 310
150	2 x movement + 370
200	2 x movement + 350
225	2 x movement + 350
250	2 x movement + 350
300	2 x movement + 385

X Dia of Outlet Pipe	Minimum Dimension 'E'
400	2 x movement + 450
500	2 x movement + 500
600	2 x movement + 530
700	2 x movement + 550
800	2 x movement + 550

To calculate the minimum dimension "E" for our standard Bellmouth, please refer to the tables above.



The illustrations show a typical layout of an Adams Fig 63a and Fig 64 adjustable bellmouth.

In both instances, the primary use for Adams' Bellmouths is:-

- Decanting surface liquor on primary/settlement tanks
- Decanting sludge off storage tanks

The Fig 63a bellmouth has been designed without the use of a guide rod assembly because of its small range of diameter.

The inner is manufactured from UPVC which connects to a stainless steel or Cast Iron bridge assembly.

The usual minimum range of movement is 150mm and the recommended maximum is 1000mm, although if larger movements are required, we recommend the use of optional stainless steel guide rods.

The fig 64 bellmouth has been designed for situations where large flows or volumes of effluent require to be decanted. A stainless steel guide rod assembly is used as standard to support and guide the stainless steel inner bellmouth pipe through the ductile iron outer cylinder.

The usual range of movement is again 150mm to 1000mm, but can be designed to take movements of up to 1500mm.

## Material Specification for Fig 63a Bellmouth

### Bellmouth Outer, Gland Housing, Pillar and Handwheel

Cast Iron to BS1452 Grade 220

### Bellmouth Inner

U.P.V.C. Class 'C'

### Spindle, Bellmouth Bridge, Bellmouth Inner & Guide Rod Assembly

Stainless Steel Grade 304

## Material Specification for Fig 64 Bellmouth

### Gland Housing, Pillar and Handwheel

Cast Iron to BS1452 Grade 220

### Bellmouth Outer

Ductile Iron to BS4779 Class K9

### Bellmouth Inner

Stainless Steel Grade 304

### Spindle, Bellmouth Bridge & Guide Rod Assembly

Stainless Steel Grade 304

## Optional Requirements

- Actuator or gearbox control
- Special paint finishes
- Pedestal mounting brackets
- Stainless steel grade 304 or 316 guide rods for movement over 1000mm
- Special drilling on outlet flange
- Ductile iron extension outlet pipes
- Cast iron sluice valves with handwheel or actuated control
- Spindle guide brackets
- A self contained Adams Fig 63 bellmouth suitable for small ranges of movement is available on request

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## Flow Control Division

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