

These two types of adjustable sluice gate, undershot and overshoot are widely used for the control of water in canal systems.

In the absence of more accurate devices they may be used for the approximation of flow rates.

Armfield sluice gates are made from stainless steel and plastic and are designed to fit in a rectangular channel section 0.450m wide.

Two types are available - Undershot (FEX40-3) and Overshot (FEX40-4).

**History**

In a surface irrigation distribution network it is necessary to establish a command from which water may be discharged to the area where it will be applied to growing crops. Regulation of discharge, its distribution and disposal is carried out using a range of control structures selected to suit particular situations.

In order to familiarise technicians with the mode of operation of a variety of control structures, Armfield has designed and produced a range of demonstration units.

**COST EFFECTIVE  
HIGHLY PORTABLE  
EXTREMELY DURABLE**



FEX40-4: Overshot weir in trials



FEX40-4: Overshot weir

FEX40-3: Undershot weir

Gate control bar has measurements to accurately record position data



**Experimental content**

- Flow control and flow measurement in an open channel or furrow

**Overall dimensions**

Model	FEX40-3/4
Length	0.580m
Width	0.450m
Height	0.080m
Packed and crated shipping specifications	
Volume	0.1m <sup>3</sup>
Gross weight	20Kg

**Ordering codes**

- FEX40-3
- FEX40-4

UK office - email: sales@armfield.co.uk tel: +44 (0) 1425 478781 (for ROW)  
USA office - email: info@armfield.inc tel: +1 (609) 208-2800 (USA only)

Issue: 2  
URL: <http://www.armfield.co.uk/fex40>

Applications  
**ChE IP**

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