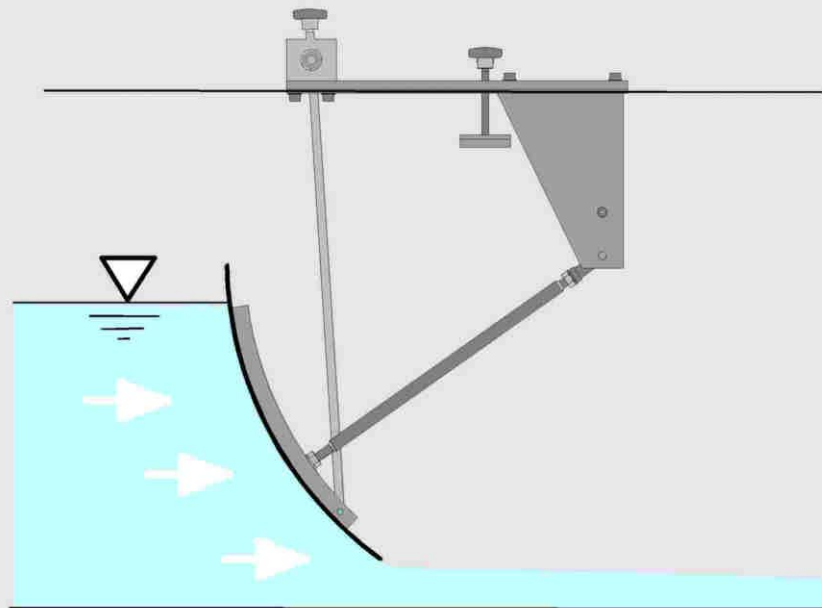


## HM 162.40 **MODEL RADIAL GATE**



- **Accessory for expanding the modular flow channel**

### Technical description

The radial gate is one of the moveable types of weirs, the water flows under a gate plate. The weir is fitted to the side walls of the channel. It comprises a strong base plate; the gate can be moved around a fixed bearing point on the base plate. The gate is of circular cross-section and, along with the guide rods, has a further rod using which the gate is activated, it can also be locked in various positions. Radial gates have the advantage that the friction forces generated when the gate is moved are low. For example, radial gates are used if the flow forces are so large that the usage of an undershoot weir is prohibited by the large amount of friction caused when moved.

### Experiments

In conjunction with the HM 162 Modular Flow Channel, the following experiments are possible:

- Observation of flow forms
- Observation of discharges under a radial gate:
  - Observation of hydraulic motion on discharge
  - Observations on the movement of upper rollers
- Hydrostatic pressure on a weir

For exact measurement of water levels, the use of the HM 162.52 Level Gauge on the moving HM 162.59 Instrument Carriage is recommended.

### Specification

- [1] Experimental set-up for fitting to the HM 162 Modular Flow Channel
- [2] l x w x h 600x304x750mm
- [3] Parts made of stainless steel or aluminium
- [4] Weir radius 450mm

### Technical data

Height of the point of rotation above the base of the channel: 365mm  
Radius of the radial gate: 450mm

### Dimensions and weight

l x w x h : 600 x 304 750 mm  
Weight : approx. 11 kg

### Scope of delivery

1 experimental set-up, 1 set of accessories,  
1 instruction manual

### Order details

070.16240 HM 162.40 Model Radial Gate