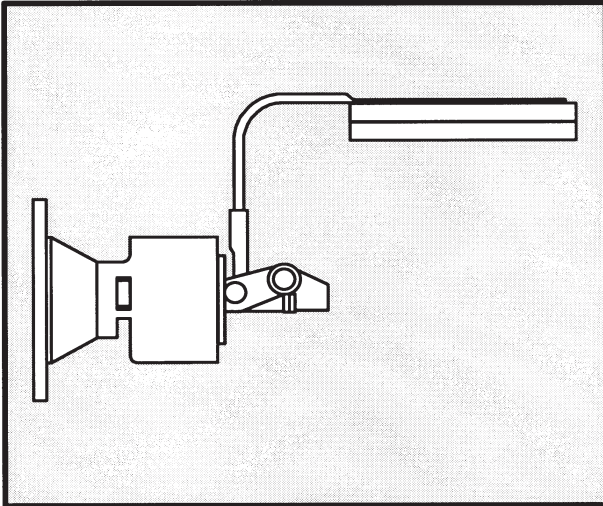


REFUELLING CONTROL VALVES



- Servo actuated by fluid pressure
- Needs no external power
- Avoids spillage
- Maximises tank controlling
- In use since 1956

The Cobham control valve is a float operated servo valve, designed to limit the amount of liquid fed into a tank to a precise level. It can be used in a wide range of chemical and hydrocarbon storage applications where emphasis is being placed on careful handling of liquids.

A special feature of the valve is that it allows the tank to be controlled up to capacity, increasing utilisation and therefore reducing the number of deliveries to static installations. It is widely used in rail applications for both refuelling and coolant control.

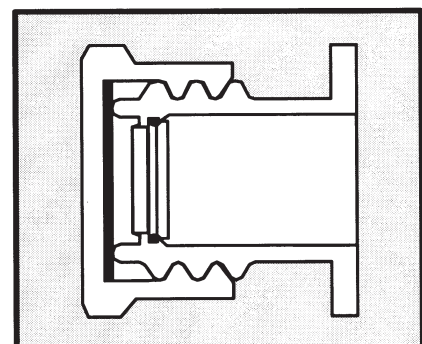
The servo valve provides positive sealing and reliable operation without external power. The float mechanism is used to seal off the servo chamber, via a hole in the valve head, the servo effect closes the valve head against the liquid flow.

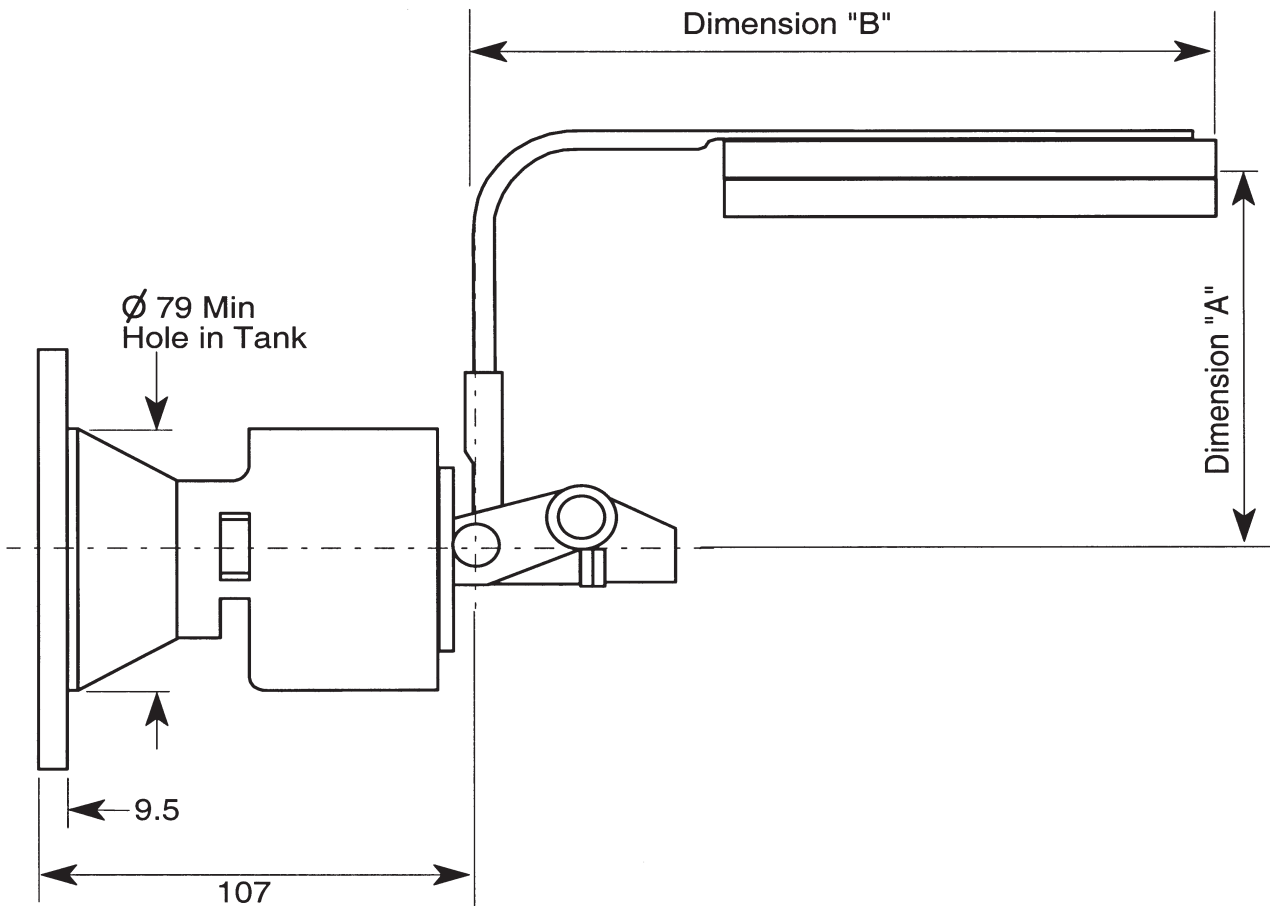
Top, bottom or side mounted units, suitable for direct tank installation can be provided, with shut off level factory set to customer requirements. The standard valves are suitable for flow rated up to 80 gal/min and pump stall pressures up to 50lb/in², but higher can be offered if required.

A range of vent and non-return valves, level gauges, flow and float switches and other tank accessories are also available.

The Refuelling control valve can also be used in conjunction with the Cobham dry break coupling as shown in the diagram opposite.

This provides the complete refuelling solution for diesel filling on rolling stock.





SIDE MOUNTED CONTROL VALVE

SPECIFICATION

Nominal Flow: 360 l/min (80 gal/min)
Pressure drop (open): 0.8 bar (12lbf/in²)
Working pressure (closed): 3.5 bar (50lbf/in²)
Temperature range: -30°C to +100°C

Materials

Body working parts: Anodised aluminium or 300 grade stainless steel
Seals: Viton, nitrile rubber, or PTFE coated
Float: Flat expanded pvc or spherical 300 grade stainless steel

Suitable for use in:

Fuels and Oils
 Engine coolant
 De-icing fluid
 Water and many other liquids



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