

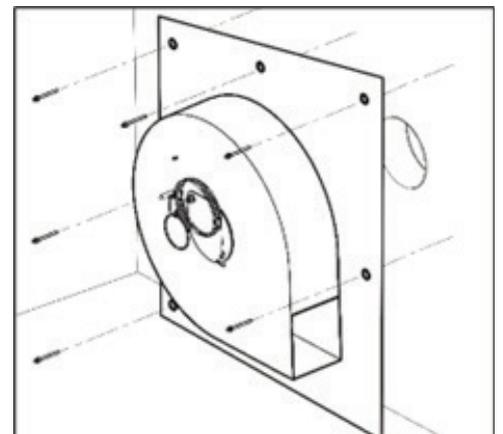
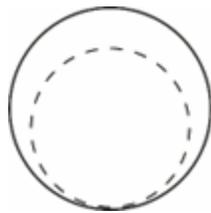
Hydro-Brake® Optimum S Type with Lugs or Flat Plate mounting

Construct control chamber to drawing with flat concrete mounting surface cast on inside face of manhole wall at outlet pipe. Ensure that sump floor level is formed at the minimum value shown on the drawing. Form benching / standing area as indicated on installation drawing.

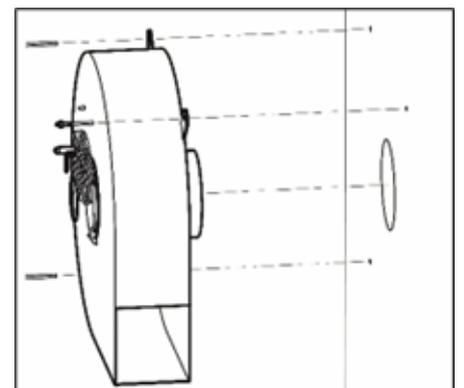
For the preparation of existing chambers, the following point must be considered:

- Storage and handling of pre-fitted Hydro-Brake® Optimum units must not be detrimental to the integrity of the unit.
- Ensure access opening is large enough to allow unit to be inserted or remove existing cover slab.
- If fitting to existing flat surface ensure brickwork/mortar is sound.
- If fitting to existing flat surface ensure face is flat to allow water seal between unit and chamber wall.
- If more than one Hydro-Brake® Optimum is to be installed check serial number is correct for each location.

Offer up Hydro-Brake® Optimum Flow Control to outlet hole invert to invert, as shown below, in correct orientation. Mark and drill the required holes through fixing lugs for masonry fixing bolts M10 x 75.

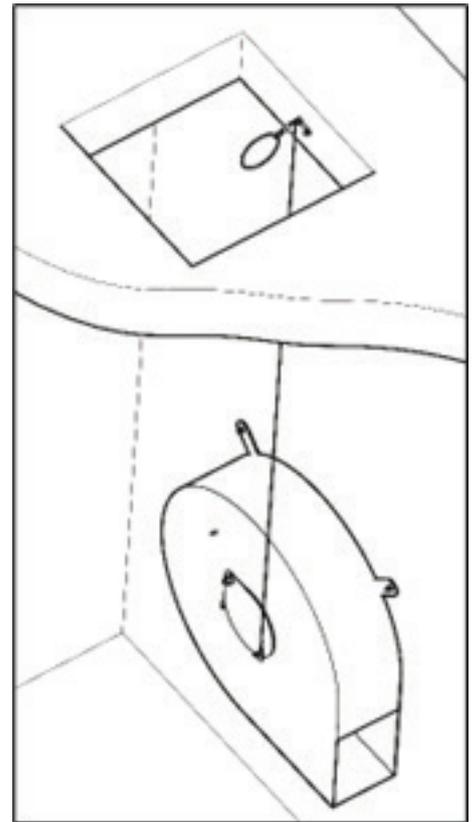


Inspect pre-fitted neoprene rubber gasket to ensure fully attached and undamaged. Position the Hydro-Brake® Optimum Flow Control and bolt up until moderate compression of gasket is achieved.



Fix eye brackets on bypass door operating rope to soffit of roof slab by means of masonry bolts to achieve a direct line of pull from directly over the chamber access cover. The operating rope is to be fixed so that the rope is hung taut at the upper eye bracket when the door is in the closed position.

(Two eye brackets are threaded on the rope, 1 for a change in direction of the line of pull should this be necessary, and the other to serve as a pull-handle retainer in an appropriate position adjacent to the access cover.)



Position the rope stop to ensure that, when the pivoting by-pass door is open, the rope stop can be clipped to the uppermost bracket. Tighten the 4 mm grub screws with the supplied Allen key.

Post installation inspection must take place to:

- Ensure no damage has occurred to the unit during installation and construction/completion of the chamber.
- Ensure there is no debris (wood, plastic bottles/bags etc.), in the chamber.
- Carry out test operation of the bypass door operating rope after fitting and confirm the door closes fully when released.

Patent: www.hydro-int.com/patents