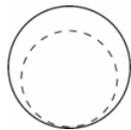


Hydro-Brake® Optimum S Type with Curved Backplate mounting

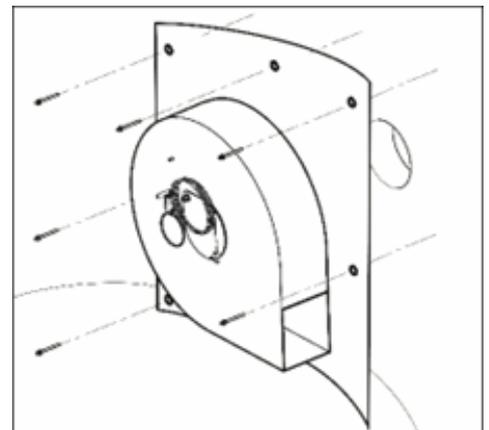
NOTE: Hydro-Brake® Optimum Flow Controls are fitted to the OUTLET of the control manhole unless advised otherwise by Hydro International.

Construct control chamber to drawing ensuring that sump floor level is formed at the minimum value shown on the drawing. Form benching / standing area as indicated on installation drawing.

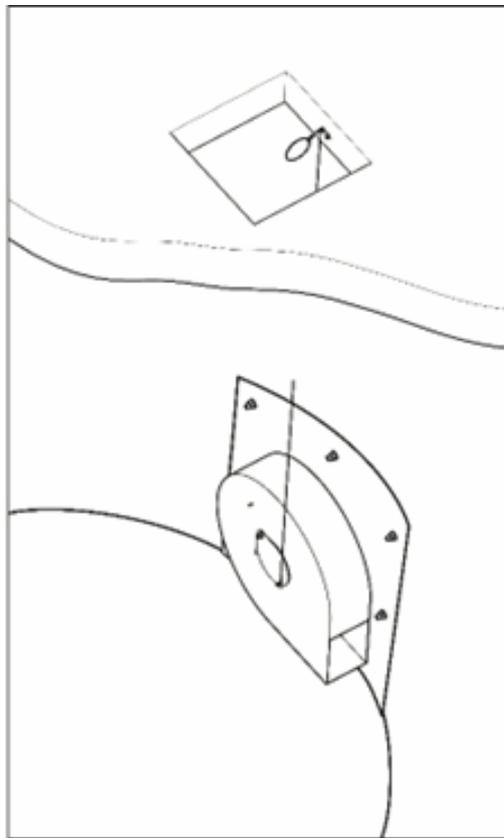
- For the preparation of existing cambers, the following point must be considered:
- Storage and handling of pre-fitted Hydro-Brake® Optimum units must not be detrimental to the integrity of the unit
- Ensure access opening is large enough to allow unit to be inserted or remove existing cover slab
- Ensure brickwork/mortar is sound
- Ensure face is uniform 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
- Check the correct radius plate has been supplied.
- Inspect pre-fitted neoprene rubber gasket to ensure fully attached and undamaged.
- Check the diameter of the locating spigot is smaller than the bore of the outlet pipe.
- Cut / grind back outlet pipe until flush with wall of chamber.
- Offer up unit to the outlet hole resting the locating spigot on the invert of the outlet hole.



- Press the unit against the wall with the red arrow pointing upwards.
- Drill and fix in situ using the stainless-steel fixing supplied.
- Tighten the fixing bolts to achieve full and even compression of the gasket.



- Fix the lower rope bracket to the underside of the cover-slab directly above the unit.
- Fix the upper rope bracket near or adjacent to the access opening.
- Pull the wire rope so the emergency by-pass door on the front of the unit opens fully.
- Whilst in this position, slide the rope hook so it engages with the upper bracket.
- Tighten the grub screw to clamp the hook in this position using the Allen key supplied.
- Disengage the hook and allow the emergency by-pass door to close fully.
- Tape any excess rope around the pull handle to prevent it hanging down into the flow.
- With the by-pass door fully closed and the pull ring hanging close to the access opening, the unit is set and ready to operate.



Patent: www.hydro-int.com/patents

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Hydro-Brake® Optimum S-Type Installation Instructions C/1225