

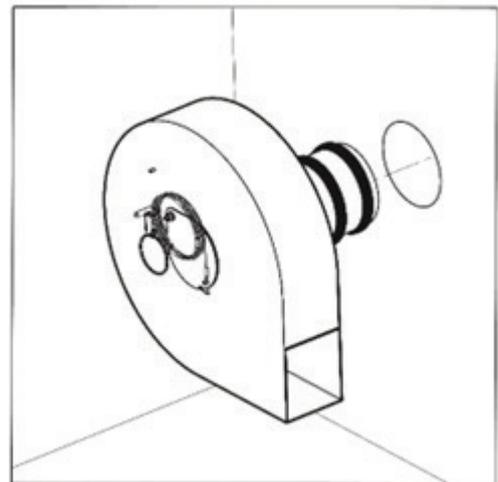
Hydro-Brake® Optimum S Type Push Fit Mounting

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

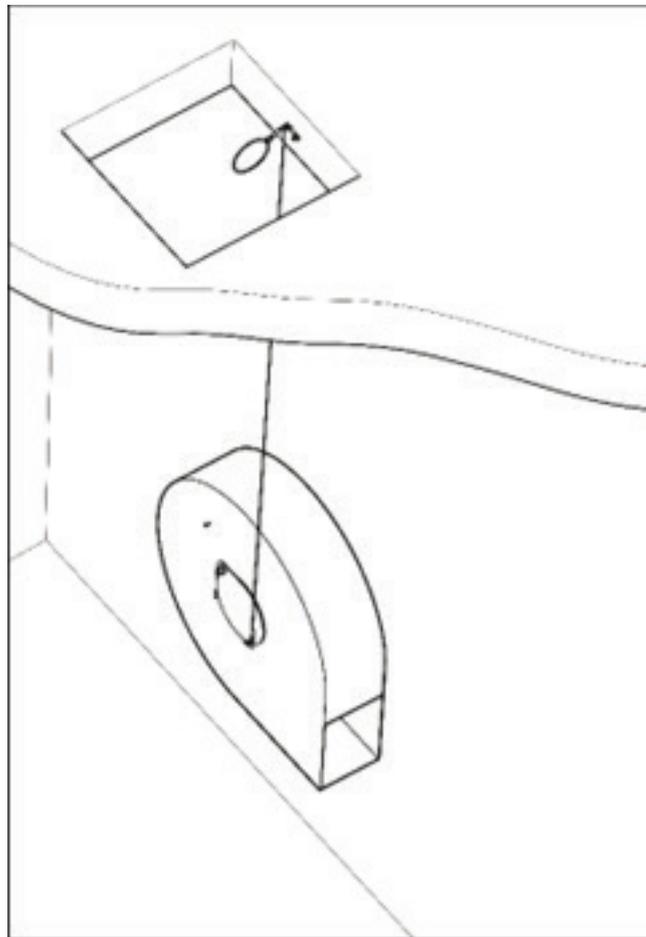
Construct control chamber to drawing, with flat concrete mounting surface cast on inside face of manhole wall at outlet pipe. Ensure that sump floor level is formed at the minimum value shown on the drawing. Form benching / standing area as indicated on installation drawing.

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 more than one Hydro-Brake® Optimum is to be installed check serial number is correct for each location.
- Check the outside diameter of o ring seal is the same as internal diameter of pipe.
- Inspect pre-fitted neoprene rubber gasket to ensure fully attached and undamaged.
- Lubricate seals with proprietary pipe joint lubricant.
- Offer up the unit to the outlet pipe.
- Gently engage the end of spigot into the outlet pipe.
- Push the spigot into the pipe gently rocking the unit until both seals are inside.
- Twist the unit until the red arrow is pointing upwards.



- 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