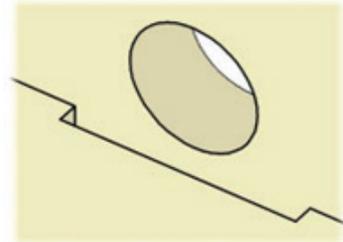
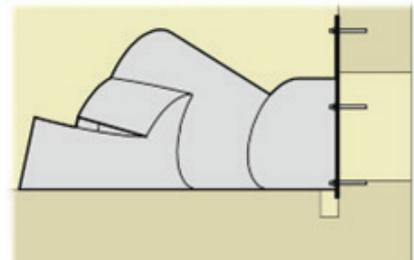


Hydro-Brake® Optimum C Type with Flat Plate mounting

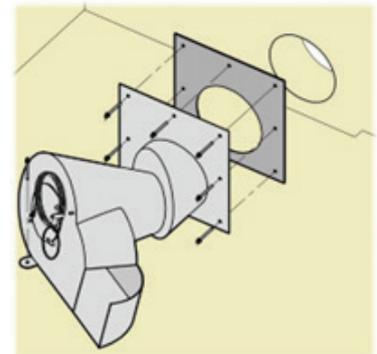
Construct control chamber to drawing. {with concrete mounting block cast on inside face of chamber wall at outlet pipe}.



Ensure that chase is formed in concrete floor below invert of outlet pipe to accommodate bottom edge of mounting plate.

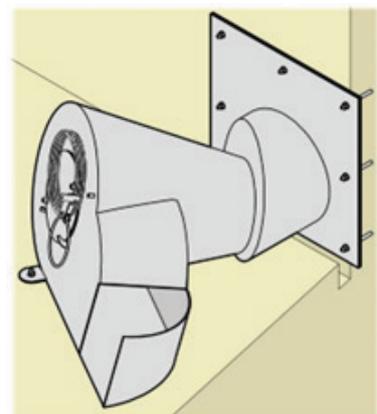


Offer up Hydro-Brake® Optimum Flow Control to outlet pipe in correct orientation with inverts level and mounting plate set level across top edge.



Mark and drill through bolt holes in mounting plate for stud anchor fixing bolts 10 mm diameter x 75 mm long.

Place gasket on mounting plate, position Hydro-Brake® Optimum Flow Control, insert stud anchors and tighten nuts to achieve moderate compression of gasket.

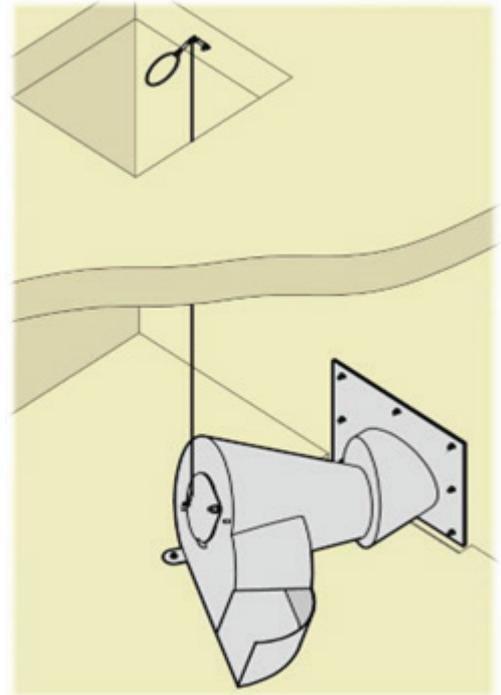


Drill and fix anchor bolt 10 mm dia. x 75 long through lug at base of cone backplate.

Form benching and shape channel to direct flow to intake of Hydro-Brake® Optimum Flow Control as indicated on supplied installation drawing

Fix eye brackets on operating rope to suitable position in chamber by means of masonry bolts to achieve a direct line of pull from directly over the unit to 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. 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.

(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).



For Vortex Suppressor or Vent Pipe, use the supplied fixings to install the unit as per Hydro drawing, ie: vortex suppressor at Top Water Level (TWL) and vent pipe just under the MH cover.

DO NOT OBSTRUCT CROSS SECTIONAL AREA OF INTAKE

IMPORTANT INSTALL HYDRO-BRAKE® OPTIMUM FLOW CONTROL BEFORE COVER SLAB IS PLACED.

IMPORTANT THE PIVOTING BY-PASS **DOOR MUST BE CLOSED**. THE RETAINING NUT IS PRE-SET AT THE FACTORY AND MUST NOT BE DISTURBED OTHERWISE THE UNIT MAY NOT FUNCTION CORRECTLY.

IMPORTANT IF APPLICABLE ADJUSTABLE GATE IS FACTORY SET AND MUST NOT BE ALTERED.

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Hydro-Brake® Optimum C Type Flat Plate Installation Instructions C/1225