



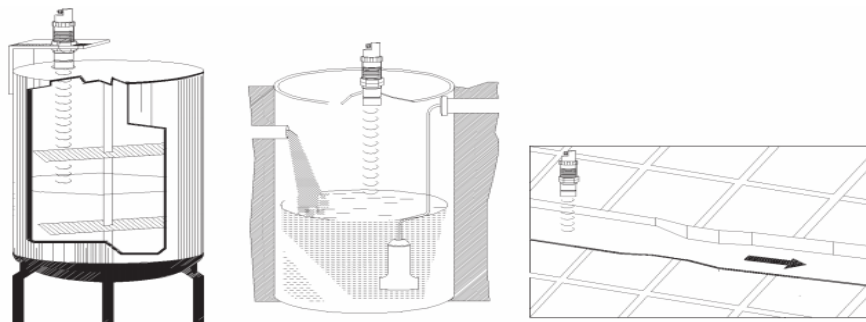
Swing Level, Differential Level, Open Channel Flow & Pump Controller



- Level & Open Channel Flow measurement
- Pump Controller
- IP65 Surface Mount Enclosure
- 24v, 115v or 230v AC Power supply
- 5 Relay & 2 x 4-20mA Current outputs
- Backlit LCD display

The IP65 surface mounting Swing controller has been designed as a general purpose controller for use with either 1 or 2 Ultrasonic level sensors from either the PTU or Smart series.

The Swing controller is a very versatile unit able to perform 4 different functions - Level, Differential Level, Open Channel Flow & Pump Control with configuration via the front panel keypad.



Application

Order Codes

Part No	Description
SWING2C1C0	IP65 Wall mounting controller with LCD display. Able to accept 2 sensor inputs, for use with the PTU & Smart range of Ultrasonic sensors. 2 x 4-20mA & 5 x Relay outputs. 230v AC Power supply required.

* Other options available – please contact LTH sales department for full list of options available.

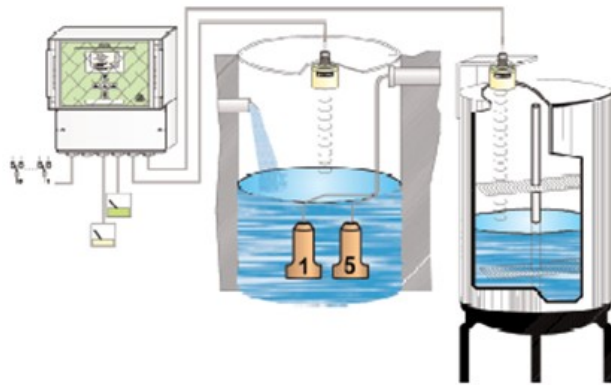


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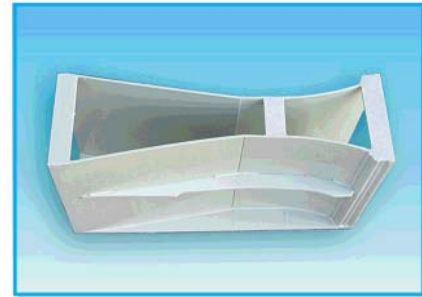
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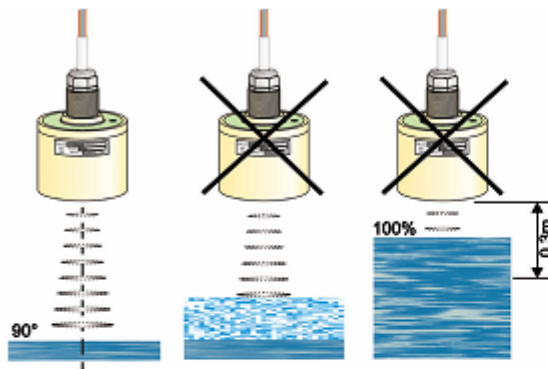
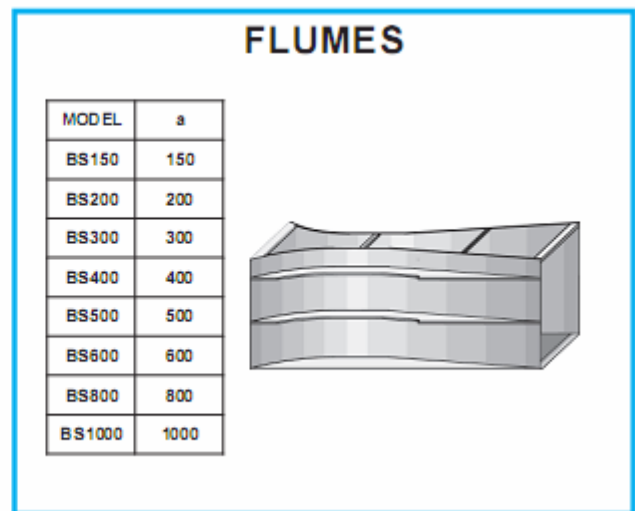
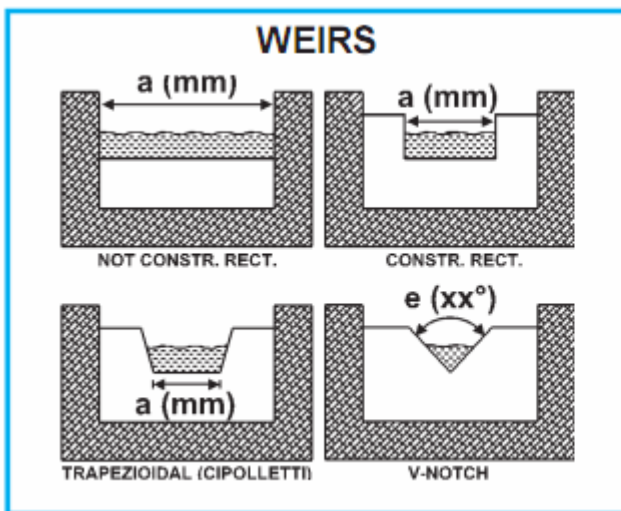
Level and Open Channel Flow meter



Swing Unit and PTU or Smart Series Transmitter



Venturi Flumes



Note that the PTU transducers have a blocking distance of between 0.3 to 0.7 Metres depending on the model type. Where the transducers will not measure. Install the transducer perpendicular to the surface being measured. Do not use with foaming products.

Part No	Description
PTU05A0A	IP68 Level Transducer for use with the Swing unit, 1" BSP fitting, 4-20mA output, Range of measurement 0.3 – 5 Metres. 24v DC Power supply required. Supplied complete with integral 3 Metre connection cable.
PTU10A0A	IP68 Level Transducer for use with the Swing unit, 1" BSP fitting, 4-20mA output, Range of measurement 0.6 – 8 Metres. 24v DC Power supply required. Supplied complete with integral 3 Metre connection cable.



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VENTURI FLUMES

825B074C

Polypropilene Venturi flumes open channel suited for flow measurement. Designed to be moulded into pre-existing rectangular channel. Different sizes are available depends on the maximum flow (Qmax, see tab.1)

Min. and max. flow values

Flow Model	Qmin	Qmax
BS 150	1m ³ /h 0,28l/s	50m ³ /h 13,8l/s
BS 200	2m ³ /h 0,55l/s	55m ³ /h 17,27l/s
BS 300	3m ³ /h 0,83l/s	150m ³ /h 41,6l/s
BS 400	10m ³ /h 2,7l/s	310m ³ /h 86,1l/s
BS 500	20m ³ /h 5,5l/s	500m ³ /h 138,8l/s
BS 600	25m ³ /h 7,15l/s	850m ³ /h 236l/s
BS 800	50m ³ /h 13,9l/s	1400m ³ /h 389l/s
BS 1000	60m ³ /h 16,6l/s	2250m ³ /h 625l/s

Tab.1

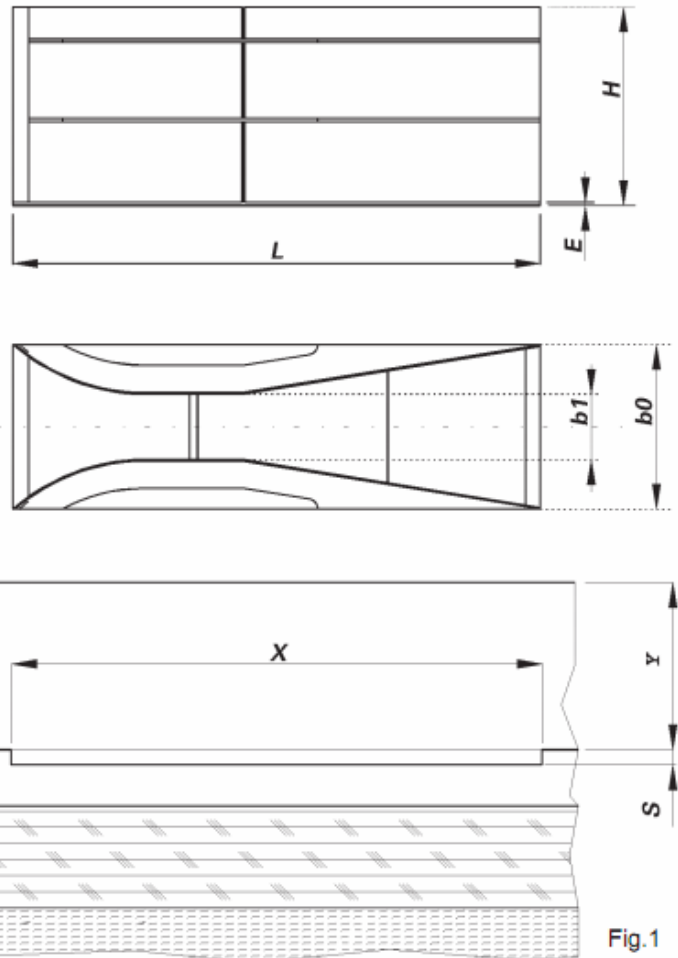


Fig.1

Venturi flumes overall and installation dimensions

L1 is the extension joint flume dimension only for BS600+1000 models (see fig1 for BS150+500 and fig.2 for BS600+1000)

Dim. Model	L	L1	H	E	b0	b1	X	Y	S
BS150	479		270	5	150	60	483	280	7
BS200	639		240	5	200	80	645	250	7
BS300	958		360	6	300	120	968	370	8
BS400	1277		480	8	400	160	1281	490	10
BS500	1597		600	8	500	200	1617	610	10
BS600	1500	416	720	10	600	240	1520	740	14
BS800	2000	555	900	10	800	320	2030	920	14
BS1000	2500	694	1000	15	1000	400	2550	1020	19

Tab.2



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VENTURI FLUMES

BS600/800/1000 installation (see tab.2) in order to decrease the flume L dimensions need to make the relevant joint to the concrete rettangoular channel (L1, see fig.2).

The SGM VENTURI FLUMES hydraulic parameters are yet into the SWING unit memory.

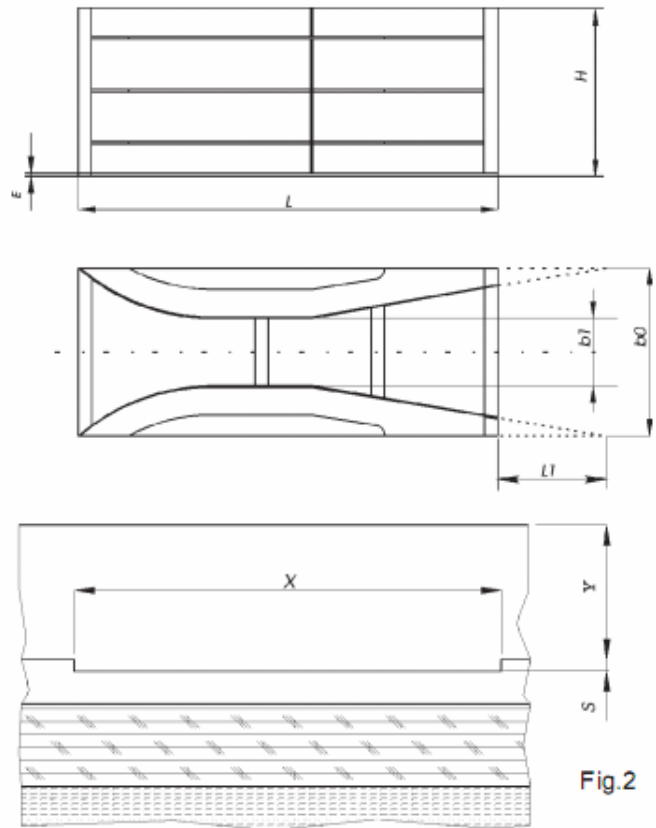
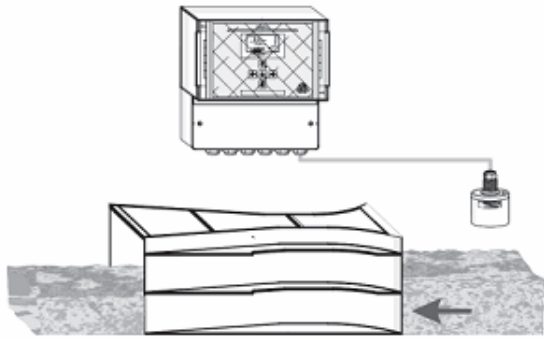
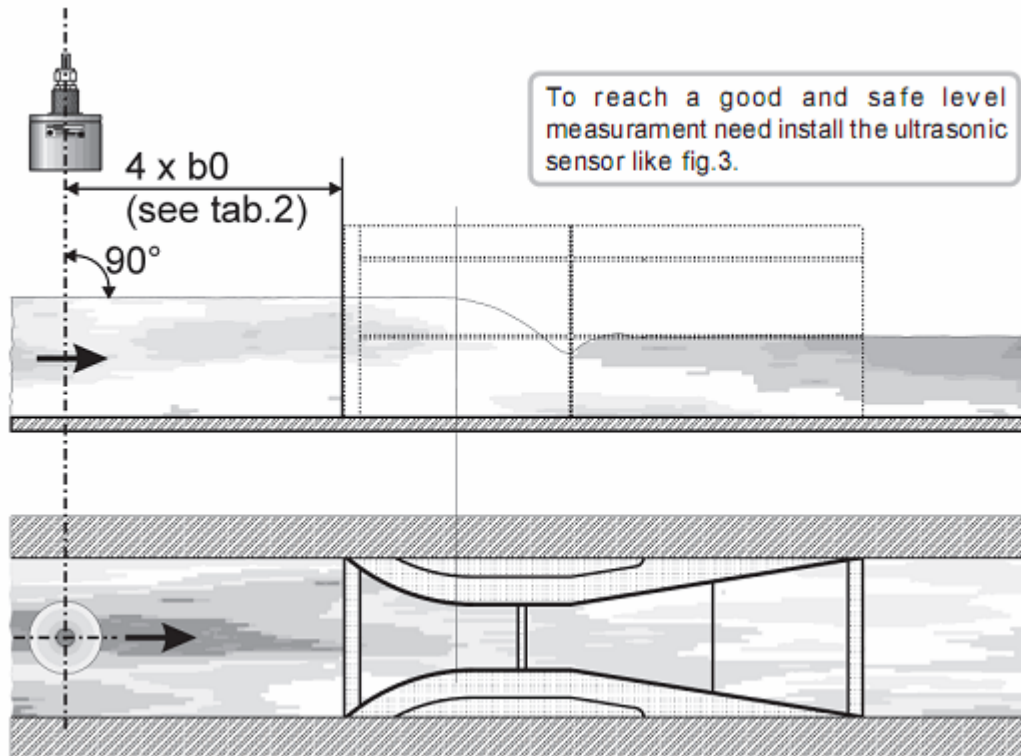


Fig.2



To reach a good and safe level measurement need install the ultrasonic sensor like fig.3.

Fig.3



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