

VENTURI FLUMES

825B074D

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 (Q_{max} , see tab.1)

Min. and max. flow values

Flow Model	Qmin	Qmax
BS150	1m ³ /h 0,28l/s	50m ³ /h 13,8l/s
BS200	2m ³ /h 0,55l/s	55m ³ /h 17,27l/s
BS300	3m ³ /h 0,83l/s	150m ³ /h 41,6l/s
BS400	10m ³ /h 2,7l/s	310m ³ /h 86,1l/s
BS500	20m ³ /h 5,5l/s	500m ³ /h 138,8l/s
BS600	25m ³ /h 7,15l/s	850m ³ /h 236l/s
BS800	50m ³ /h 13,9l/s	1400m ³ /h 389l/s
BS1000	60m ³ /h 16,6l/s	2250m ³ /h 625l/s

Tab.1

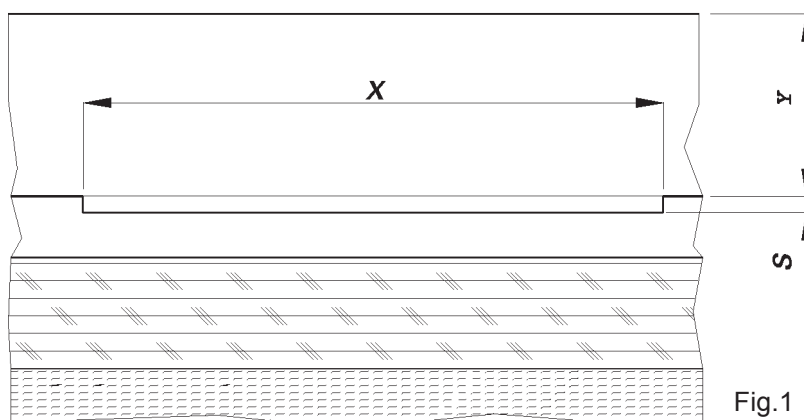
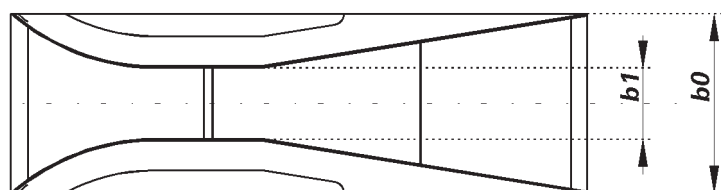
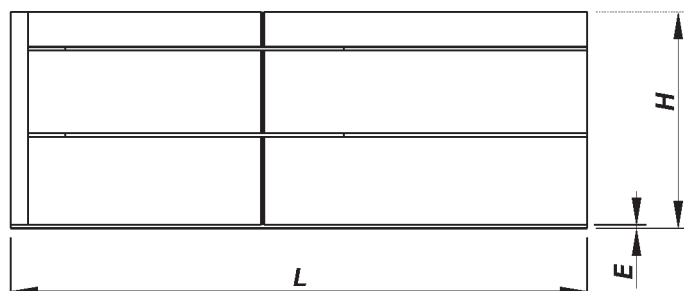


Fig.1

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

The SGM VENTURI FLUMES hydraulic parameters are yet into the VLW90M unit memory.

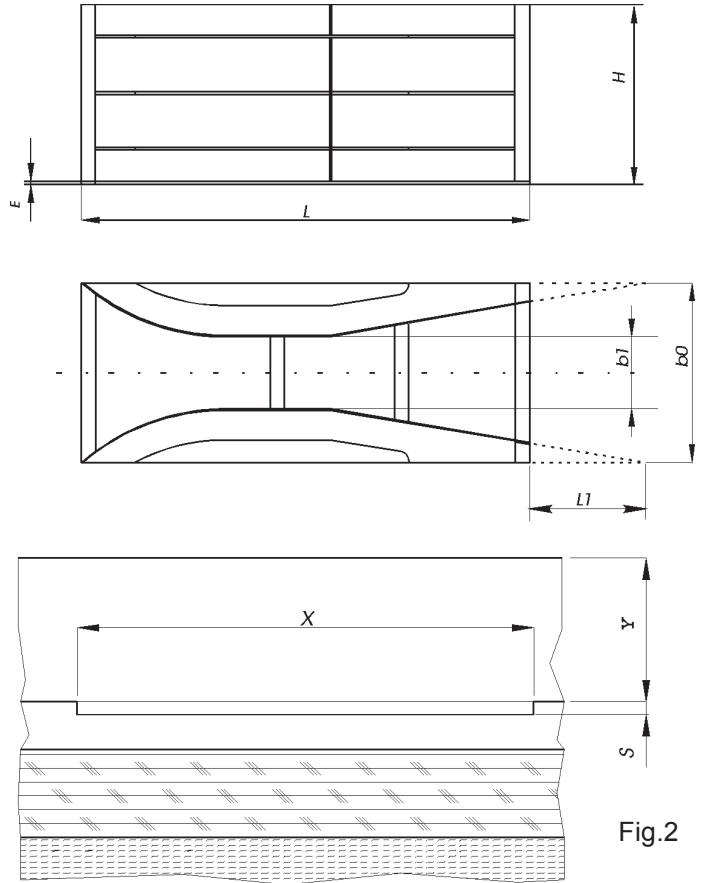
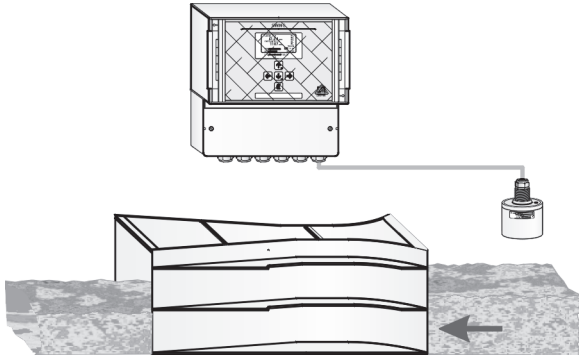
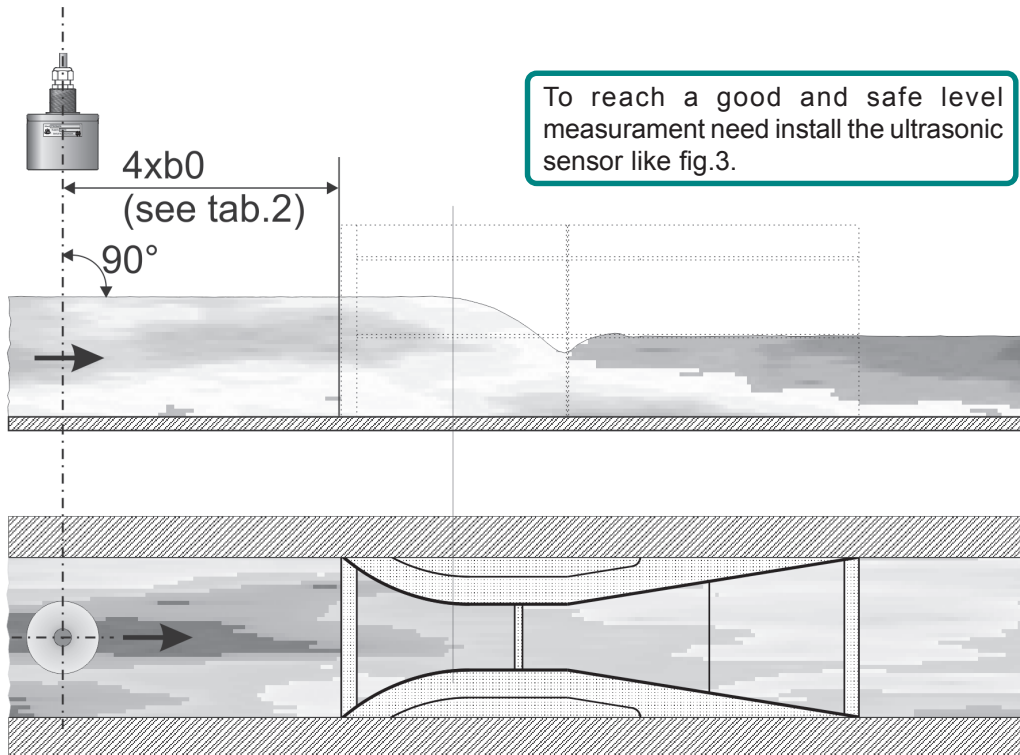


Fig.2



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

Fig.3

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