

BS VENTURI CHANNEL Hydraulic modeler

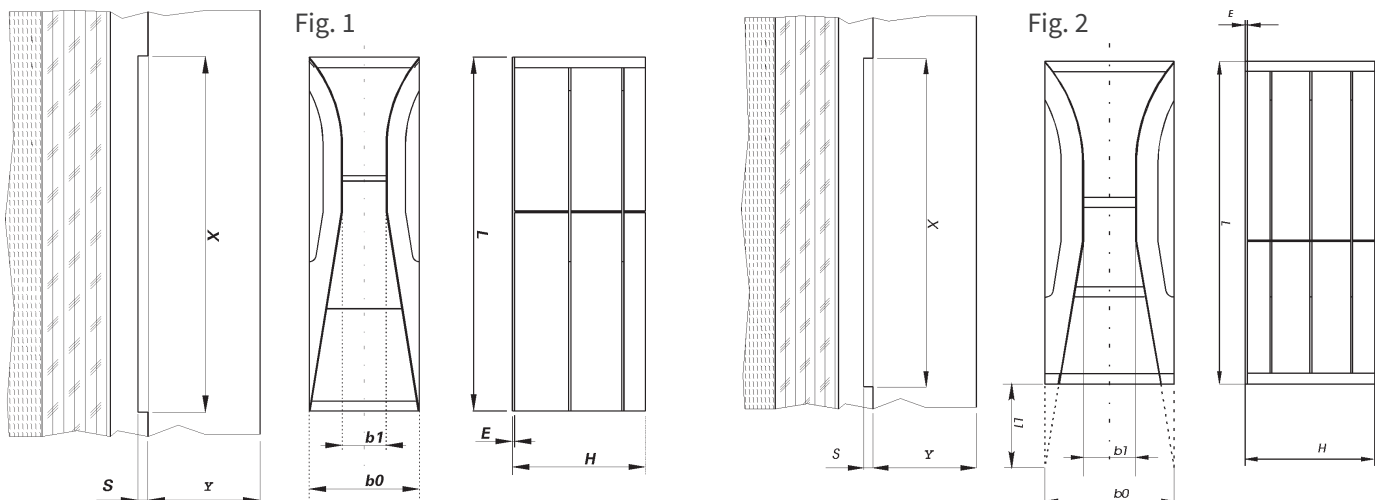
Installation in rectangular channels

Flow rates 1 ÷ >7700 m³/h

Low load losses

Matching to all SGM-LEKTRA systems for flow measurement in open channels

SGM-LEKTRA has developed its own flumes family called BS... in co-operation with the Pavia University Hydraulic Division. BS flume is a special Venturi with flat bottom and ready to be lodged in a pre-existing rectangular channel. BS VENTURI are suitable for use in irrigation systems, industrial waste water treatment, sewage, and in general for turbid waters; the flat bottom without protrusions has a self-cleaning effect, does not favor the debris deposit and can be easily inserted in rectangular ducts existing. The submerged flow (ratio from downstream head and upperstream head) can be well tolerated. The practical limit of submergence for all sizes is about 90%.



Misure d'ingombro (in mm) e di installazione Canali Venturi
(vedi fig.1 per i modelli BS150+500 e fig.2 per i modelli BS600+1000)

Quote Modello	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



BS Pre-fabricated Venturi
Installation in rectangular channels

Range / Dimensions	
150	Qmin=1 m ³ /h - 0,28 l/sec; Qmax=50 m ³ /h - 13,8 l/s Length 0,480m; Width 0,15m, Height 0,27m
200	Qmin=2 m ³ /h - 0,55 l/sec; Qmax=55 m ³ /h - 15,27 l/s Length 0,639m; Width 0,2m; Height 0,24m
300	Qmin=3 m ³ /h - 0,83 l/sec; Qmax=150 m ³ /h - 41,6 l/s Length 0,958m; Width 0,3m; Height 0,36m Wooden crate packing required (650D016A)
400	Qmin=10 m ³ /h - 2,7 l/sec; Qmax=310 m ³ /h - 86,1 l/s Length 1,278m; Width 0,4m; Height 0,48m Wooden crate packing required (650D017A)
500	Qmin=20 m ³ /h - 5,5 l/sec; Qmax=500 m ³ /h - 138,8 l/s Length 1,598m; Width 0,5m; Height 0,60m Wooden crate packing required (650D018A)
600	Qmin=25 m ³ /h - 7,15 l/sec; Qmax=850 m ³ /h - 236 l/s Length 1,5m; Width 0,6m; Height 0,72m Wooden crate packing required (650D019A)
800	Qmin=50 m ³ /h - 13,9 l/sec; Qmax=1400 m ³ /h - 389 l/s Length 2m; Width 0,8m; Height 0,90m Wooden crate packing required (650D020A)
101	Qmin=60 m ³ /h - 16,6 l/sec; Qmax=2250 m ³ /h - 625 l/s Length 2,5m; Width 1m; Height 1m Wooden crate packing required (650D021A)
x00	Couple of lateral restrictions for channels Length 2,5m; width 0,3m; height 1m
Construction materials	
P	Polypropilene (PP)
Z	Special
Accessories	
A	None
Z	Special