

VENTURI

- Installation in rectangular channels
- Flow rates $1 \div >7700 \text{ m}^3/\text{h}$
- Low load losses
- Matching to all systems
for flow measurement in open channels



It has developed its own flumes family in co-operation with the Pavia University Hydraulic Division. This flume is a special Venturi with flat bottom and ready to be lodged in a pre-existing rectangular channel. 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%.

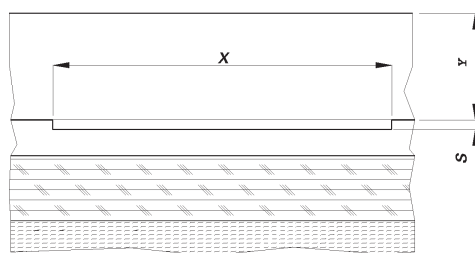
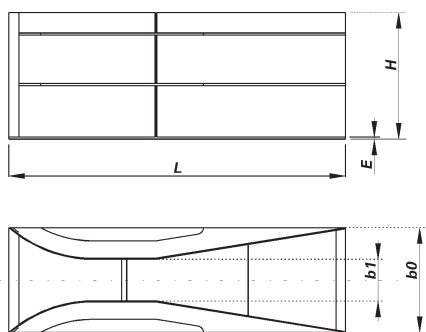


Fig. 1

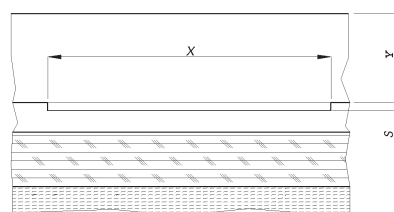
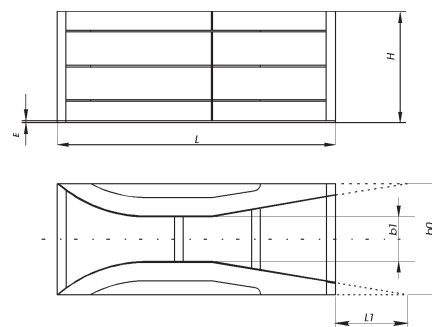


Fig. 2

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)

Quota 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

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; Altezza 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; Altezza 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; Altezza 0,36m
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; Altezza 0,48m
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; Altezza 0,60m
600	Qmin=25 m ³ /h - 7,15 l/sec; Qmax=850 m ³ /h - 236 l/s Length 1,5m; Width 0,6m; Altezza 0,72m
800	Qmin=50 m ³ /h - 13,9 l/sec; Qmax=1400 m ³ /h - 389 l/s Length 2m; Width 0,8m; Altezza 0,90m
101	Qmin=60 m ³ /h - 16,6 l/sec; Qmax=2250 m ³ /h - 625 l/s Length 2,5m; Width 1m; Altezza 1m
Construction materials	
P	Polypropilene (PP)
Z	Special
Accessories	
A	None
Z	Special