

Siphon Flushing Unit

Key Features & Benefits:

- Automatic sewer flushing
- Used for both foul and Surface Water systems
- For pipelines up to 400 mm diameter
- Ability to be fitted into Manhole chambers or pre-formed chambers
- Can be fed by controlled water supply to flush at pre-determined times, or drip fed from water source
- Can have an impermeable area contributing to the flush chamber to provide operation

How We Create Value:

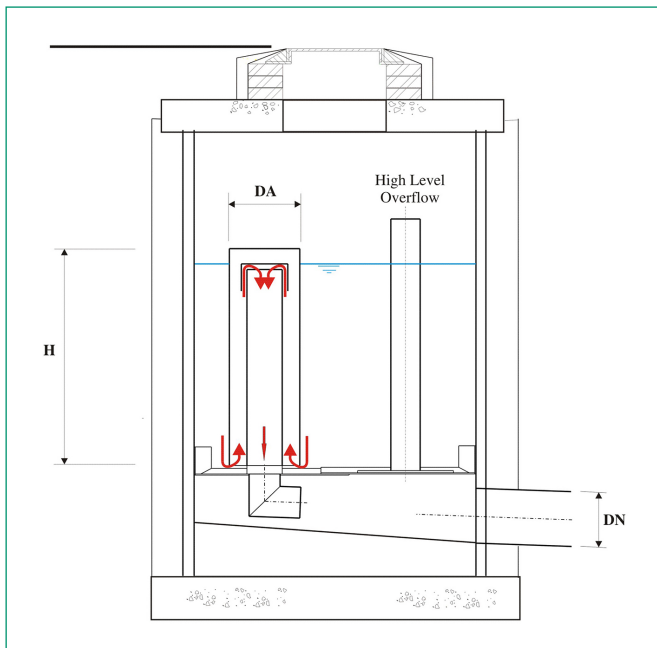
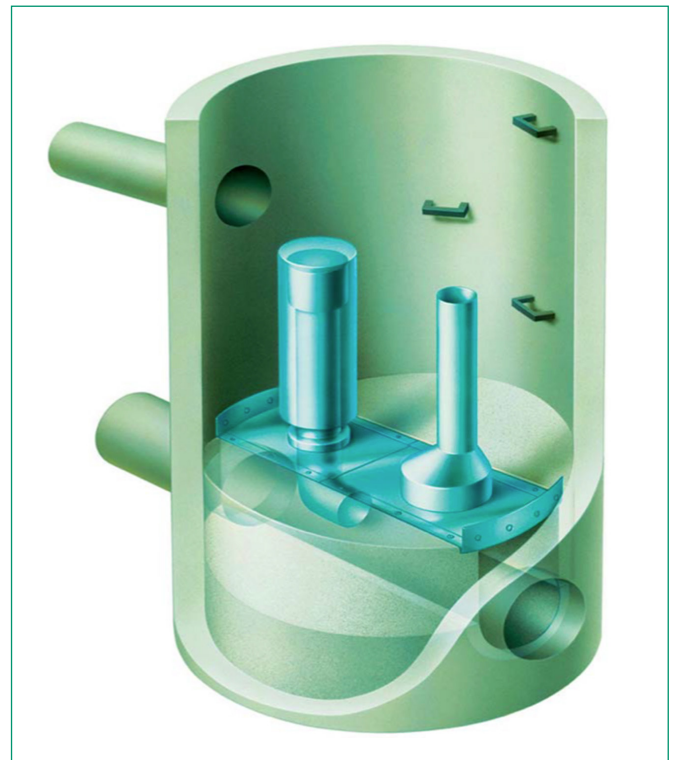
- Ability to be installed as individual gulleys
- Ideal for maintaining low gradient pipelines, where sediments and grit can reduce pipe capacity
- Reduces the dependence upon expensive manual jetting / flushing provision
- Stainless steel fabrication of the flusher
- Pre-fabricated chambers can be utilised to speed construction



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Sewers with shallow gradients often permit the deposition of silts and debris due to a lack of self-cleansing velocity. These deposits reduce the hydraulic capacity of the sewer and, in the case of foul sewers, can encourage odour issues.

Cleaning of these sewers is normally carried out by tanker flushing or jetting, both methods require Operator intervention with resulting costs. This may be required on a regular basis eating into maintenance budgets.



The 'HydroFlush®' is a device that can be installed in chamber connected to the problematic sewer section. A water feed is provided which either 'drip feeds' or fills the 'flushing chamber' at a pre-determined frequency. When reaching the designed level, the flusher unit allows the water to empty into the sewer providing a self-cleansing flow along the sewer to mobilise settled

debris and pass it forward. The frequency can be set to prevent the large scale build-up of deposits in the sewer.

The water feed can be supplied by either connecting a gulley with a defined impermeable area, or a feed from the water system / borehole etc to either trickle feed or fill at pre-determined times. The choice of water feed will depend on site location and severity of the problem.

HydroFlush® Type	DN	DA mm	H mm	Flush Flow l/s		Suitable for pipe diameter DN
				Min	Max	
70/200/400	70	200	400	5	7	150
100/250/400	100	250	400	13	17	200 - 300
100/250/800	100	250	800	14	18	200 - 300
150/350/400	150	350	400	22	28	250 - 400
150/350/800	150	350	800	24	31	250 - 400