

TELESCOPIC HDPE WELLSCREEN

HDPE is the industry's recognised material for use within landfill for gas and leachate extraction or monitoring.

The stress and strain imposed on vertical HDPE pipes in landfills is immense due to the large amount of settlement which occurs within the waste itself.

Vertical pipes are subject to the resultant of axial and radial stresses, but the axial stress is much higher and by far the most damaging.

The damage occurs because the axial strain and consequent stress exceeds the buckling strength of the pipe.

The axial stress is caused by "skin friction" between the outside wall of the pipe and the surrounding waste as it settles. Loads as high as 100Tf are not uncommon.

If axial movement can be accommodated during settlement then the axial stress is eliminated.

ACCOMODATION OF STRAIN = NO STRESS

MGS telescopic DuroScreen™ and casing has been developed to minimise strain thus providing long term performance for gas and/or leachate wells in landfill sites.

Designed on sound Geotechnical principles together with practical experience it provides a system which can be easily installed by normal drilling techniques.

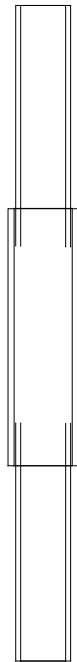


FEATURES:

- Fully telescopic system
- High penetration ratio
- Minimum deflection at joints
- Sleeves & pipes free to move
- Threaded joints
- Standard 3m lengths
- Easy & quick to install
- Can be split once assembled

Quality products for a quality environment

TELESCOPIC WELLSCREEN



Fully extended



- 1. Threaded connection
- 2. Retaining sleeve & shear pins
- 3. Telescopic sleeve - slotted or plain



Fully retracted

Size (mm)	Sleeve outside diameter (mm)	Inner pipe diameter (mm)	Pressure rating	
			PN6	PN10
125/160	160	125		*
160/200	200	160	*	*
200/250	250	200	*	*
250/315	315	250	*	*
315/400	400	315	*	*

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