

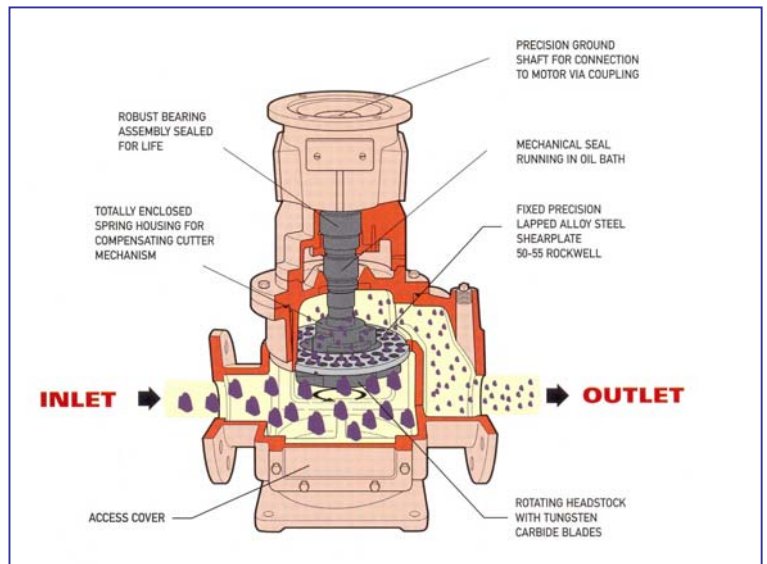
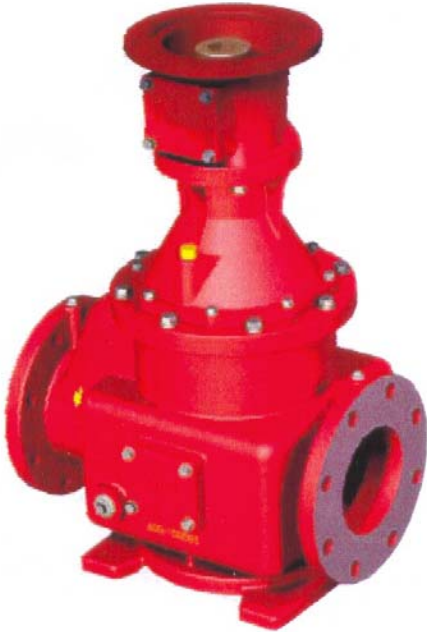


# 302 Pipeliner

*For Consistent Reliable Sewage Solids Disintegration*

The Haigh Pipeliner is a disintegrating device for raw sewage and sludge. It is a simple yet effective waste water conditioner and is widely acknowledged for the quality and reliability of its cutting action in reducing solids to small particles.

Screenings and fibrous materials have always caused problems for wastewater treatment plants. The Pipeliner provides excellent solutions to the disruptive, time consuming and costly problems of ragging and inconsistent particle sizes frequently associated with handling solids in wastewater treatment processes.



## Features & Benefits

### *Wear Compensating Cutter Mechanism*

The special headstock hub assembly, which requires no adjustment, is spring loaded to maintain a constant force against the shear plate.

### *Shear Plate Acts as a Screen*

The pipeliner shearplate rejects potentially damaging material such as stones, large pieces of wood & metal. The Pipeliner offers maximum downstream protection from these potentially damaging materials.

### *Back Pullout Design leaves Pipework Undisturbed*

Quick onsite cutter replacement requires no plumbing disconnect. The cutters can be replaced without disturbing the mechanical seal, which rotates in an oil bath to ensure adequate cooling, lubrication and protection.

### *Eliminates Costly Control Equipment*

The Pipeliner is designed to prevent costly jamming and therefore does not require expensive, anti jamming / reversing controls.

### *Produces a Consistent, Fine Particle Size*

Other grinders shred debris into relatively large pieces that become tangled and create potential problems downstream.

### *Keep It Simple*

Only 1 Mechanical Seal and 1 Cutter Assembly. Other grinders with their complex series of cutters require up to 4 mechanical seals and 4 bearings.

## How does it work?

The cutters consist of a steel headstock with tungsten carbide wear blades rotating against a stationary alloy steel shear plate with a hardness of 50 to 55 Rockwell. The shear plate contains holes that allow fluid to pass through. Anything that goes through the Pipeliner must go through these holes.



THE HEADSTOCK AND SHEARPLATE FROM A HAIGH PIPELINER

# Pipeliners Model 302 - Technical Specifications & Dimensions

Throughput	Raw Sewage	M3/hr	100
	Primary Sludge	M3/hr	50
	Digested Sludge	M3/hr	50
Shearplate Holes	Diameter	mm	10
Drive Power	Min.	Kw	3.0
	Max.	Kw	5.50
Drive Speed	Min.	Rpm	720
	Max.	Rpm	960
Operating Pressure	Min.	Bar	- 0.1
	Max.	Bar	+ 4.0
Weight	With Drive	Kg	180
	Without Drive	Kg	140
Motor Specifications			D112 Std
Flange Drilling	Std Drilling to BS4504 16/11 (Din 2432 NP16) (Other Standards Available)		

## Typical Installations (Allied to a separate pump)



## Maintenance

The pipeliner's simple, yet efficient design requires very little maintenance.

With just a few standard tools, you can easily remove & replace the cutter on the Haigh Pipeliner, and be back in operation in less than an hour.

All work can be carried out on site.

Bearings do not require periodic lubrication.

A single mechanical seal is protected by oil on one side, and is recessed in the casting, shielding it from grit.

