

Hyperdrain BioEnergy

Condensate drains for Biogas and Landfill Gas Applications



The condensate drain is a vital component in any biogas plant; its role is to guarantee the efficient removal of the condensate and impurities present within the biogas.

Even the smallest amount of liquid condensate, combining with CO₂ and H₂S, can cause serious damage to apparatus and processes, compromising the efficient operation of the cogeneration unit. It is therefore of paramount importance that all condensate is completely removed from the biogas circuit.

More than 20 years of experience in biogas and landfill gas applications has enabled Parker to develop Hyperdrain BioEnergy, designed to satisfy the requirements of this application.



Product Features:

- Large capacity
- No electrical wiring: power supply is not required
- No programming or calibration required: HDF is ready to use
- No gas loss
- Designed to work with dirty condensate and for low pressure operation
- Parts in contact with condensate in stainless steel and reinforced polyamide, body treated with a special Hiroshield treatment for optimal and reliable operation in harsh environments, screws in stainless steel.

HDF 220: Zero-loss mechanical float drain

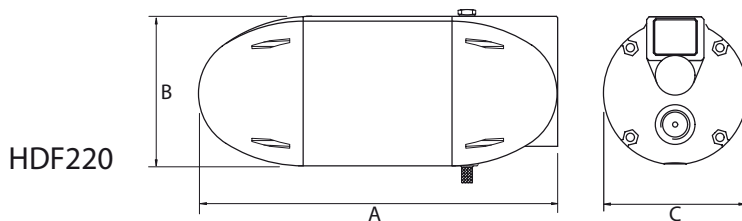


All the benefits, in three steps:

- 1 Installation
 - no need for electrical wiring, as power supply is not required.
 - no programming or calibration required, HDF is ready to use.
 - available with an internal vent line.
- 2 Maintenance
 - Manual valve for system discharge and operational check fitted as standard.
- 3 Use
 - large section outlet valve opening minimizes the chance of blockages for improved reliability.
 - velocity condensate outlet ensures that no emulsion is created and supports installation of a static oil/water separator.

Technical data Hyperdrain BioEnergy

Modell	Construction materials			Gas flow		Connections		Pressure max.	Dimensions (mm)			Weight
	Housing	Float	Lever	m ³ /h	m ³ /min	in	out	bar g	A	B	C	kg
HDF220BE	alumin.	plastic/st steel	plastic/st steel	6.500	108	1"	1/2"	1	266	111	108	1,9



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