



**FOURNIER
HPD**

High-performance digester

Get more biogas faster

4X

the gas output

3X

the OLR



**Fournier is the exclusive North American licensee
of the HPD anaerobic digestion process and technology.**

Fournier pairs decades of water treatment and tank building expertise with European high-rate advanced anaerobic digestion (AAD) technology that has a proven track record of over 20 years. We provide North American companies with the most efficient, high-performance AAD solution on the market.

fournierindustries.com

 **FOURNIER**

HPD: the gold standard in Plug-Flow biogas technology

Key features

4X more than CSTR

High biogas yield
Better digestion efficiency

3X faster than CSTR

Short retention time
Save time and money

2X less footprint than CSTR

2:5 ratio vertical design
Reduce your energy footprint

Other advantages

Simpler design – **Save on maintenance**

Lower energy requirements – **Save on energy**

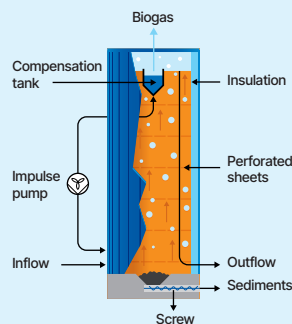
Optimized linear plug flow – **Reduce foaming and scum formation**

Greater flexibility – **More suitable for high-solids feed**

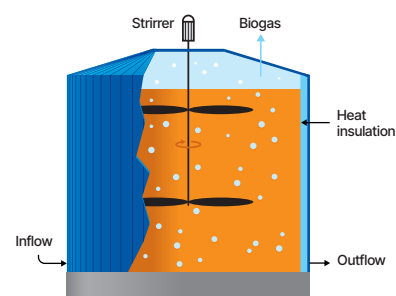
Higher process stability – **Get a better performance**

Better retention time control – **High degradation rate**

Fournier's next-generation HPD technology
High-performance plug-flow digester



Conventional CSTR technology
Continuous stirred tank reactor



Applications

Wastewater treatment plants (WWTP)

RNG and biogas facilities

Food waste and organic

Brewery waste and stillage

Agricultural manure

Capacity and performance levels

CHARACTERISTICS	FOURNIER HIGH-PERFORMANCE DIGESTER (HPD)	CONTINUOUS STIRRED TANK REACTOR (CSTR)
Retention time	6 to 14 days	20 to 50 days
Organic load rate	Max. 12.5 kg/m ³ d	Max. 4.0 kg/m ³ d
Biogas yield	Up to 12.0 m ³ /m ³ d	Up to 3.0 m ³ /m ³ d
Consumed power for mixing	1.5 W/m ³	3.5 W/m ³



Learn more about Fournier's HPD technology