# BIODIESEL

HYDRASEP® ADVANCED OIL/WATER SEPARATOR

# *Laminar Flow Separators*


The patented Hydrasep® laminar flow separator is designed to continuously separate glycerin from methyl ester and wash water from methyl ester without any moving parts or coalescing media, eliminating the need for power consumption and periodic overhaul.

| Model | Suggested Flow Rate (gpm) | Dimensions | Inlet / Outlet dia. | Second Outlet dia. | Operating Volume (gal.) | Shipping Weight (lbs) |
|---|---|---|---|---|---|---|
| HS-630-BD | 20 | 36” DIA. x 13’ 9” OAL | 2 ½” | 2” | 520 | 2,680 |
| HS-1000-BD | 33 | 42” DIA. x 15’ 10” OAL | 3” | 2” | 873 | 3,100 |
| HS-1500-BD | 48 | 48” DIA. x 18’ 0” OAL | 4” | 2” | 1,213 | 4,670 |
| HS-2000-BD | 69 | 54” DIA. x 20’ 1” OAL | 4” | 2” | 1,752 | 5,861 |
| HS-3000-BD | 94 | 60” DIA. x 22’ 3” OAL | 6” | 3” | 2,406 | 7,213 |
| HS-4000-BD | 125 | 66” DIA. x 24’ 4” OAL | 6” | 3” | 3,192 | 8,569 |
| HS-5000-BD | 162 | 72” DIA. x 26’ 7” OAL | 6” | 3” | 4,166 | 9,111 |
| HS-6000-BD | 207 | 78” DIA. x 29’ 4” OAL | 8” | 3” | 4,822 | 11,805 |
| HS-8000-BD | 258 | 84” DIA. x 30’ 11” OAL | 8” | 3” | 6,615 | 14,584 |
| HS-10000-BD | 317 | 90” DIA. x 33’ 10” OAL | 8” | 3” | 8,088 | 23,500 |
| HS-12000-BD | 385 | 96” DIA. x 35’ 1” OAL | 10” | 4” | 9,841 | 25,200 |
| HS-15000-BD | 489 | 102” DIA. x 40’ 1” OAL | 10” | 4” | 12,468 | 31,035 |
| HS-18000-BD | 563 | 108” DIA. x 40’ 10” OAL | 12” | 6” | 14,365 | 37,914 |
| HS-20000-BD | 643 | 111” DIA. x 44’ 3” OAL | 12” | 6” | 16,488 | 38,200 |

The base unit includes the separator only. However, all units can be provided with the following options along with any other specific needs customers may require:

- Saddles
- Interface & Level Sensors
- Stainless Steel
- ASME Code
- Pumps
- Controls
- Thermal Insulation/Heating
- Other Options Available



*U.S. Patent 5,266,191*
www.hydrasep.com

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# For Improving Your Production

Hydrasep®, Inc. has developed a new line of separators specifically tailored to the needs of Biodiesel production. We have modified our units to continuously separate glycerin from biodiesel and wash water from biodiesel. We customize to meet your specific process needs.

If your process is **continuous,** if you use **high shear reactor**s or if you want to upgrade your batch process to **sequence batching**, we can assist you. If you want to double your production without doubling the size of your plant, we can assist you. Depending on your process, a Hydrasep® will handle two (2) or more sequenced batch reactors, thus operating in a continuous mode.

We offer carbon steel or stainless steel construction for atmospheric, blanketed, pressure or vacuum operation. Thermal insulation and heaters can also be provided.

**Whether you want to pre-treat your waste oil feedstock, separate glycerin from methyl esters, separate wash water from biodiesel or recover biodiesel from wastewater, we have a system tailored to best suit your needs.**

A Hydrasep® separator can be used to replace slow, bulky and heat consuming decanters. **The separation process becomes continuous,** saving time, valuable real estate and energy. **The Hydrasep® has no moving parts, no replaceable parts and does not consume any power. Unlike a centrifuge, it requires no power input and is virtually maintenance free.**

**Save time and heat over lengthy batch decanting. Save capital and operating cost, power consumption and maintenance on centrifuges.**

**Get the results you are looking for.**

## Hydrasep® increases production at lower capital cost and virtually no operating cost.