



Thermax T-45 BD MP

Biodiesel Dry Wash Ion Exchange
Resin

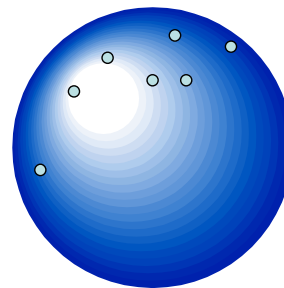


Biodiesel Chemicals

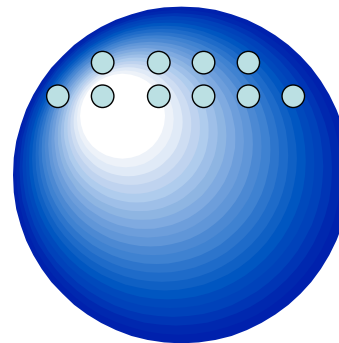
Gel Vs. Macro Porous Resin

- Gel Resins are smaller in size and have a smaller inconsistent Ion Exchange site.
- Macro are larger and have a larger exchange site that is spaced consistently.
- **What does this mean?**
- More impurities can be held with the macro.
- They are stronger and are able to withstand methanol wash better.

Gel



T-45



Biodiesel Chemicals

Gel Vs Macro Life

- Gel resin typically has a life span of 250 gallons per Lb of Resin.
- Macro typically has a life span of 370 gallons per Lb of Resin
- **What does this mean?**
- Less Macro is needed to meet the same flow rates, resulting in lower cost to customer.



Biodiesel Chemicals

Cost Example

- 5MGPY Facility

- Gel Resin 6,600 lbs per Quarter
- \$8 per pound = \$52,800

- Macro 4,500 lbs per Quarter
- \$7.25 per pound = \$ 32,625

• \$20,175 in SAVINGS

Cost of Macro is determined upon the quantity supplied and can be less than example.



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How Much Do You Need?

- There is 52 lbs in 1ft³ of Gel Resin
- There is 38 lbs in 1ft³ of Macro Resin
- It is recommended to have a Three (3) Tower system. Each Tower will contain:
 - Gel 147 lbs per 1GPM
 - Macro 111lbs per 1GPM

5GPM System EX:

5GPM X 111LBS X 3TOWERS = 1,665 lbs Macro



Biodiesel Chemicals

How Do I Purchase?

Contact



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