



Biodiesel Mixers, Series 275

Koflo Biodiesel Static Mixers utilize our standard Series 275 static mixer design for the transesterification of oil and methanol in a closed loop biodiesel unit. With flowrates and pressure losses optimized for the biodiesel industry, each static mixer is constructed of schedule 40 304 stainless steel with 6 mixing elements and male NPT threaded ends. All sizes are in stock for immediate delivery. Custom sized and larger static mixers are available for high production continuous flow biodiesel production systems.

Applications

- Transesterification
- Chemical addition/blending
- pH control

Non-Stock Options

- Removable mixing elements
- Low-pressure design mixing elements
- British standard threads (BSP)

Technical Specifications

| Model Number | Pipe Dia. MNPT Ends | Number of Elements | Length | Weight | Typical Flow (GPM) | Pressure Loss (PSI) |
|---------------|---------------------|--------------------|--------|--------------|--------------------|---------------------|
| 1/2-40-2-6-2 | 1/2" | 6 | 5" | 6 oz. | 1.5-5 | 1.1-12.6 |
| 3/4-40-2-6-2 | 3/4" | 6 | 7" | 11 oz. | 3-10 | .9-9.7 |
| 1-40-2-6-2 | 1" | 6 | 9" | 1lb., 4 oz. | 4.5-15 | 1.2-12.9 |
| 1.25-40-2-6-2 | 1.25" | 6 | 12" | 2lb., 12 oz. | 7-25 | .8-10.4 |
| 1.5-40-2-6-2 | 1.5" | 6 | 13" | 3lb., 2 oz. | 10-35 | 1.0-11.9 |
| 2-40-2-6-2 | 2" | 6 | 17" | 5lb., 7 oz. | 20-60 | 1.3-11.8 |

Note: With a given flowrate, a smaller diameter mixer with a higher pressure loss will offer better mixing (i.e. 30 GPM will blend better in a 1.5" mixer than a 2" mixer)

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