

Dispermat LC

High Speed Dispersers

The Dispermat® LC Series offers an economical design for small laboratory volumes to pilot plant volumes up to 10 gallon capacity. The motor design provides a quiet, low maintenance operation. A temperature sensor with automatic shutdown prevents the motor from over-heating. The Dispermat® LC stand comes with a heavy-duty clamping system to firmly hold the container. The larger Dispermat® LC models, LC110 and larger, have a safety device stand as well as an electric lift to easily move the disperser motor. The Dispermat design can accommodate accessories that can convert the LC model to a media mill or a vacuum dispersing system.

Ordering Information

| Cat. No. | Description |
|----------|---|
| 1506 | Dispermat LC15, 115V, w/cont. clamp |
| 1507 | Dispermat LC15, 220V, w/cont. clamp |
| 1440 | Dispermat LC30, 115V, w/cont. clamp |
| 1441 | Dispermat LC30, 220V, w/cont. clamp |
| 1442 | Dispermat LC55, 115V, w/ safety dev. |
| 1443 | Dispermat LC55, 115V, w/cont. clamp |
| 1444 | Dispermat LC55, 220V, w/safety dev. |
| 1445 | Dispermat LC55, 220V, w/cont. clamp |
| 1417 | Dispermat LC75, 220V, w/safety dev. |
| 1416 | Dispermat LC75, 220V, w/cont. clamp |
| 1418 | Dispermat LC110-12, 220V, w/safety dev. |
| 1419 | Dispermat LC110-6, 220V, w/safety dev. |
| 1281 | Dispermat LC220-12, 400V, w/safety dev. |
| 1285 | Dispermat LC220-6, 400V, w/safety dev. |
| 1293 | Dispermat LC300, 400V, w/safety dev. |
| 1294 | Dispermat LC400, 400V, w/safety dev. |

Comes complete with:

Dispermat®, Control box, Operating manual, Impellers

Technical Specifications

| Cat. No. | Motor Power | Speed (rpm) | Product Volume* | Impellers (mm) | Stand Base | Weight |
|----------|------------------|-------------|---------------------------------------|----------------|------------|------------------|
| 1506 | 0.2 hp (0.15 kW) | 0 - 20,000 | 0.05 - 0.54 quarts (50 - 500 ml) | 25, 30, 40, 50 | H0 | 33 lbs (15 kg) |
| 1507 | 0.2 hp (0.15 kW) | 0 - 20,000 | 0.05 - 0.54 quarts (50 - 500 ml) | 25, 30, 40, 50 | H0 | 33 lbs (15 kg) |
| 1440 | 0.4 hp (0.3 kW) | 0 - 20,000 | 0.05 - 1.1 quarts (50 - 1,000 ml) | 25, 30, 40, 50 | H1 | 42 lbs (19 kg) |
| 1441 | 0.4 hp (0.3 kW) | 0 - 20,000 | 0.05 - 1.1 quarts (50 - 1,000 ml) | 25, 30, 40, 50 | H1 | 42 lbs (19 kg) |
| 1442 | 0.7 hp (0.55 kW) | 0 - 20,000 | 0.05 - 3.2 quarts (50 - 3,000 ml) | 25, 30, 40, 50 | H1 | 77 lbs (35 kg) |
| 1443 | 0.7 hp (0.55 kW) | 0 - 20,000 | 0.05 - 3.2 quarts (50 - 3,000 ml) | 25, 30, 40, 50 | H1 | 66 lbs (30 kg) |
| 1444 | 0.7 hp (0.55 kW) | 0 - 20,000 | 0.05 - 3.2 quarts (50 - 3,000 ml) | 25, 30, 40, 50 | H1 | 77 lbs (35 kg) |
| 1445 | 0.7 hp (0.55 kW) | 0 - 20,000 | 0.05 - 3.2 quarts (50 - 3,000 ml) | 25, 30, 40, 50 | H1 | 66 lbs (30 kg) |
| 1417 | 1.0 hp (0.75 kW) | 0 - 20,000 | 0.05 - 5.3 quarts (50 - 5,000 ml) | 25, 30, 40, 50 | H1 | 93lbs (42 kg) |
| 1416 | 1.0 hp (0.75 kW) | 0 - 20,000 | 0.05 - 5.3 quarts (50 - 5,000 ml) | 25, 30, 40, 50 | H1 | 99 lbs (45 kg) |
| 1418 | 1.5 hp (1.1 kW) | 0 - 12,000 | 0.05 -10.6 quarts (50 - 10,000 ml) | 60 | H2BT | 198 lbs (90 kg) |
| 1419 | 1.5 hp (1.1 kW) | 0 - 6,000 | 1.6 - 15.8 quarts (1,500 - 15,000 ml) | 60 | H2BT | 198 lbs (90 kg) |
| 1281 | 3.0 hp (2.2 kW) | 0 - 12,000 | 0.05 - 21.1 quarts (50 - 20,000 ml) | 60 | H2BT | 242 lbs (110 kg) |
| 1285 | 3.0 hp (2.2 kW) | 0 - 6,000 | 1.6 - 26.4 quarts (1,500 - 25,000 ml) | 60 | H2BT | 242 lbs (110 kg) |
| 1293 | 4.0 hp (3.0 kW) | 0 - 6,000 | 1.6 - 31.7 quarts (1,500 - 30,000 ml) | 80 | H2BF | 330 lbs (150 kg) |
| 1294 | 5.4 hp (4.0 kW) | 0 - 6,000 | 1.6 - 42.2 quarts (1,500 - 40,000 ml) | 90 | H2BF | 374 lbs (170 kg) |

*Product volumes are based on mill base viscosity below 3,000 centipoise.



Note: The container must be ordered separately.

- Simple and quiet operation
- Durable design for long-term operation
- Constant speed control for repeatable results – Keeps a constant speed even when the viscosity changes
- Timer function to track dispersion run time



Dispermat® CV and LC with Accessories



Note: Container must be ordered separately

Dispermat® CV3 plus with safety device

- Digital speed indicator, time, and % torque
- Optional temperature readout with PT100 purchase
- Timer function that can auto-adjust to a slower speed



Note: Container must be ordered separately

Dispermat® LC110 with safety device

- Digital speed indicator
- Adaptive turn sensitive speed adjustment
- Timer function with auto-shutdown



Dispermat® LC30 with APS system

- The APS accessory is a media milling system
- Interchangeable with the vacuum accessory (CDS)
- Ideal for small volumes to minimize disposal cost



Dispermat® CV3 plus with CDS system

- The CDS accessory is a vacuum system that prevents air entrapment during the dispersion process.