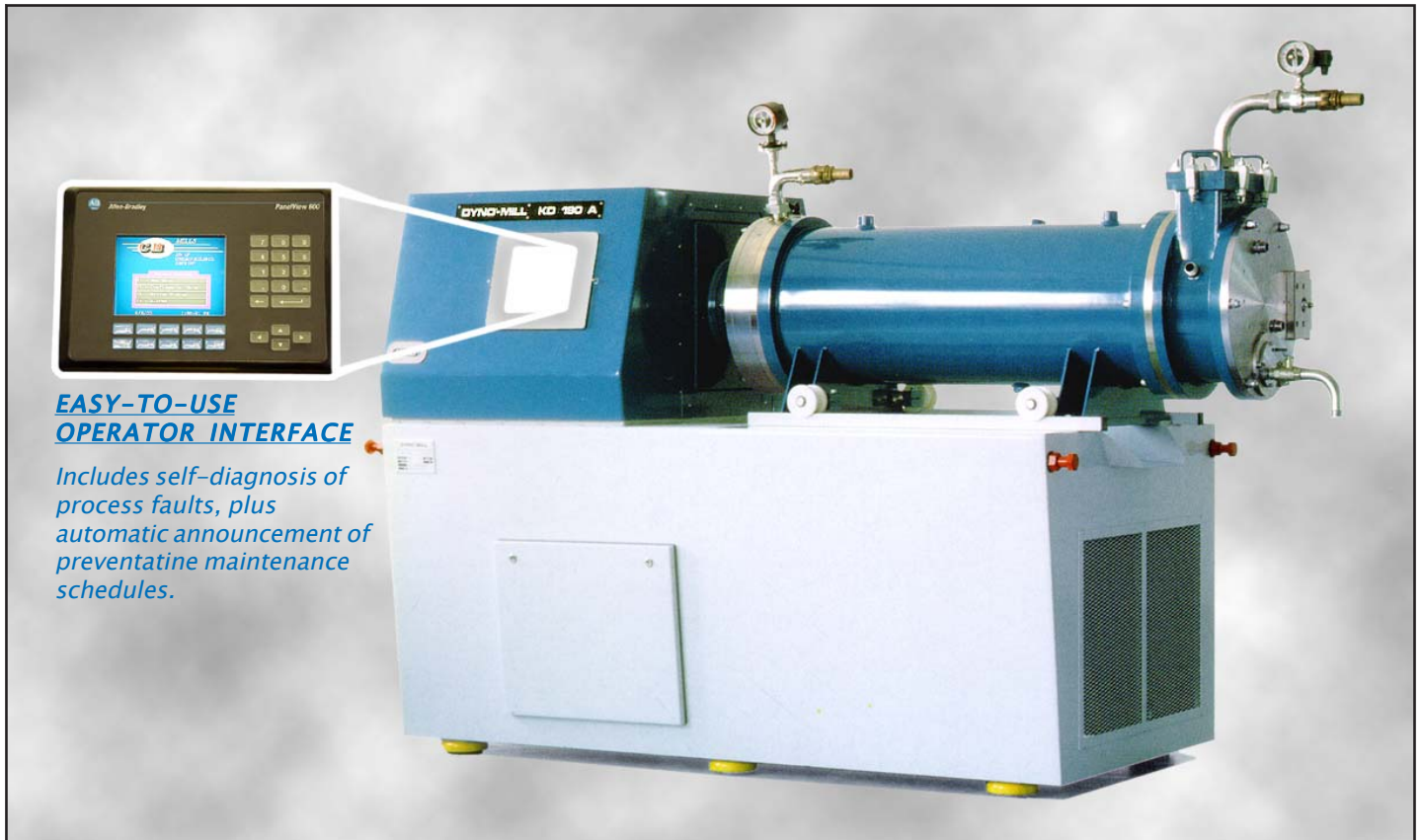


DYNO[®]-Mill

Models KD 120A / KD 190A / KD 280A



EASY-TO-USE OPERATOR INTERFACE

Includes self-diagnosis of process faults, plus automatic announcement of preventative maintenance schedules.

DYNO-MILL Type KD 190 A

Applications:

The DYNO-MILL is used all over the world for dispersion and wet grinding in various industries.

- Coatings
- Pigment and Dyestuff Production
- Agrochemical Industry
- Mineral Grinding
- Paper Coatings
- Pharmaceutical Industry
- Microbiology and Biochemistry

CB Mills / DYNO-Mill Models KD 120A / KD 190A / KD 280A

| Model | Typical Motor | Production Capacity * | Grinding Container Volume | Weight (approx.) | Dimensions (L x W x H) |
|-----------------|---------------|-----------------------|---------------------------|------------------|------------------------|
| KD 120 A | 75 HP | 300-2,000 kg. / hr. | 128 liters | 5,280 lbs. | 109 x 50 x 82 |
| KD 190 A | 100 HP | 500-3,000 kg. / hr. | 196 liters | 5,720 lbs. | 117 x 50 x 83 |
| KD 280 A | 125 HP | 800-5,000 kg. / hr. | 296 liters | 6,380 lbs. | 121 x 50 x 84 |

* *The capacity of the DYNO-Mill depends on the product being processed. Capacities indicated are average - actual numbers may be lower or higher.*

| | | | | | | | | | | |
|---|--|--------------------------------------|--------------|--------------------------------------|------------------------------|--------|-----------------------------------|-----------------------|--------------|--|
| Drive: | Three-phase standard motor, foot mounted, voltage, frequency, mechanical and explosion protection rating according to requirements. V- belt drive. Adjust agitator shaft speed with exchangeable belt pulleys for agitator disc peripheral speeds of 10 / 13 / 16 m/sec. | | | | | | | | | |
| Grinding Container: | Exchangeable inner cylinder with container removing device. | | | | | | | | | |
| Cooling System: | Grinding container jacketed with spiral flow of the cooling water. Cooled separator housing. | | | | | | | | | |
| Shaft Seal: | Pressurized cartridge-style, double-mechanical seal. | | | | | | | | | |
| Separator: | Stainless steel or nickel separator sieve mounted in screen housing. Slot size 0.2, 0.4 and 0.6 mm or 0.13 and 0.4 mm, respectively. | | | | | | | | | |
| Electrical Controls: | NEMA 4 operator interface standard. For placement in Class 1, Div. 1, Group D environments, explosion-proof control packages are available. | | | | | | | | | |
| Safety and Monitoring Instruments: | Contact pressure gauge in mill inlet and contact thermometer in mill outlet. Capacitive proximity switches for the level control of the seal rinsing liquid. Contact pressure regulator controls the pressure in the shaft seal rinse reservoir. Inductive proximity switches prevent the mill from starting if the vessel or screen housing is not secured. | | | | | | | | | |
| Materials Options: | Wetted contact parts are available in different materials such as hardened steel, stainless steel, hard chrome-plated stainless steel, polyurethane, or ceramic. | | | | | | | | | |
| Temperature and Pressure Limits: | <table style="width: 100%; border: none;"> <tr> <td style="width: 33%;">Product Temperature:</td> <td style="width: 33%;">40° – 185° F</td> <td style="width: 34%;">Pressure Cooling System- Max. 90 psi</td> </tr> <tr> <td>Pressure Grinding Container:</td> <td>60 psi</td> <td>Cooling Water Quantity - 1- 5 gpm</td> </tr> <tr> <td>Temp. Cooling System:</td> <td>50° - 175° F</td> <td></td> </tr> </table> | Product Temperature: | 40° – 185° F | Pressure Cooling System- Max. 90 psi | Pressure Grinding Container: | 60 psi | Cooling Water Quantity - 1- 5 gpm | Temp. Cooling System: | 50° - 175° F | |
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| Pressure Grinding Container: | 60 psi | Cooling Water Quantity - 1- 5 gpm | | | | | | | | |
| Temp. Cooling System: | 50° - 175° F | | | | | | | | | |
| Connections: | Product inlet/outlet 1½", cooling water 1", seal cooling system ½" | | | | | | | | | |
| Grinding Media: | Various types from Silica Sand to Glass Beads and Steel Shot. etc. to achieve your dispersion requirements; Shipped from stock. | | | | | | | | | |

Appropriate pump and electrical controls available to meet your requirements.

The DYNO-Mill KD Series is designed for continuous dispersion and fine wet grinding of solids in a liquid system. It is important that no uncontrolled reactions occur as a result of pressure, temperature, or milling action. Product must remain flowable after processing.

SPECIFICATIONS AND TECHNICAL DATA SUBJECT TO CHANGE WITHOUT PRIOR NOTICE.

rev.102204

For additional information or to arrange for a demonstration, please contact us.



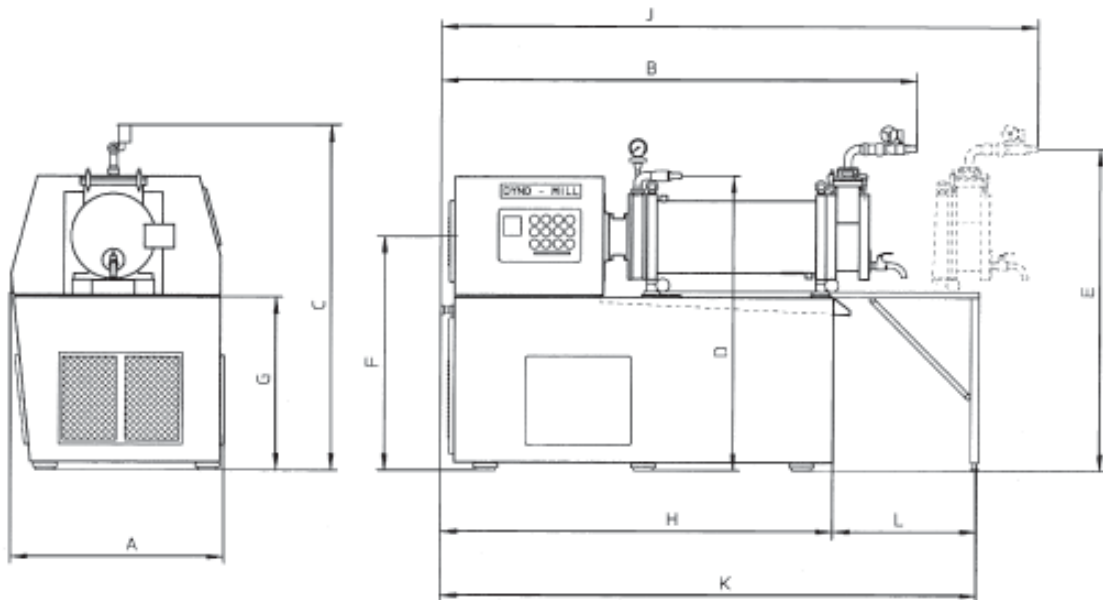
1300 Northwestern Ave., Gurnee, IL 60031-2348
 Phone: (800) 522-7343 (847) 662-4000
 Fax: (847) 662-4003
 Internet: www.cbmills.com
 E-mail: sales@cbmills.com

DYNO-MILL Models KD 120 A / 190 A / 280 A

TECHNICAL DATA

| MODEL | | KD 120 A | KD 190 A | KD 280 A |
|----------------------------|------|----------|----------|-----------|
| Volume of grinding vessel | l | 128 | 196 | 296 |
| Volume of grinding media | l | 102-108 | 156-166 | 236-251 |
| Approx. Capacity | kg/h | 300-2000 | 500-3000 | 800-5000 |
| Main drive motor | HP | 75 - 100 | 75 - 125 | 100 - 150 |
| Pump motor | HP | 2 - 5 | 2 - 5 | 2 - 5 |
| Product connections IN/OUT | ∅ | 1½" | 1½" | 1½" |
| Cooling water connections | ∅ | 1" | 1" | 1" |
| Approx. weight | lbs. | 5280 | 5720 | 6380 |

DIMENSIONS (in inches)



| Type | A | B | C | D | E | F | G | H | J | K | L |
|---------|----|-----|----|----|----|----|----|----|-----|-----|----|
| KD 120A | 51 | 113 | 82 | 70 | 78 | 56 | 41 | 94 | 184 | 164 | 68 |
| KD 190A | 51 | 120 | 83 | 71 | 79 | 56 | 41 | 94 | 184 | 164 | 68 |
| KD 280A | 51 | 127 | 84 | 72 | 79 | 56 | 41 | 94 | 196 | 169 | 73 |

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