

PLOOG ENGINEERING CO., INC.

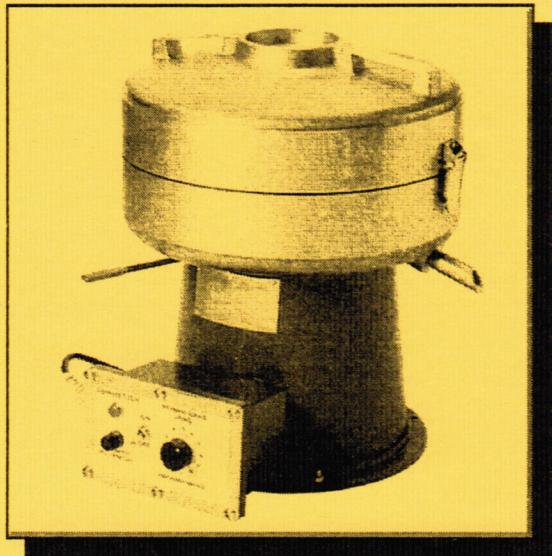
Manufacturers of Testing Equipment

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814 N. Indiana Ave.
Crown Point, In 46307
U.S.A.

Electric Centrifuge Extractor

Meets ASTM D2172



- Used to determine the amount of bitumin content in paving mixtures.
- Electric motor has integral, solid state, electronic speed control, which is adjustable from 0 to 3600 rpm.
- Includes hand operated braking mechanism.
- Use with either 1500 gram bowl or 3000 gram bowl.
- Available with standard motor, or optional explosion proof motor.
- 115 V is standard, 230 V also available.
- 100 filter papers included.

Ordering Information

| | | with 1500 g bowl | with 3000 g bowl |
|-------|-----------------------|------------------|-------------------|
| 115 V | open motor | M205 | M207 |
| | explosion proof motor | MX205 | MX207 |
| 230 V | open motor | M205-2 | M207-2 |
| | explosion proof motor | MX205-2 | MX207-2 |

M255, extra 1500 gram bowl; M245, extra 1500 gram bowl cover
M257, extra 3000 gram bowl; M247, extra 3000 gram bowl cover

F265, extra filter papers for 1500 gram bowl (package of 100).

F267, extra filter papers for 3000 gram bowl (package of 100).

Ploog Engineering Co.,Inc.

814 N.Indiana Ave
Crown Point,In 46307-3447 USA
219-663-2854

OPERATING INSTRUCTIONS SERIES 5 EXTRACTORS WITH ELECTRONIC SPEED CONTROL

The Series 5 Extractor has a new electronic speed control EC 1020

After unpacking, bolt machine down to a suitable work bench.
The Power Cord should be plugged in to a receptacle of proper Voltage,
see Name Plate on Machine.

This Machine can be used with 3000 gram or 1500 gram Bowl.
Flip the Toggle Switch to the “ON” position, the pilot light should light up.
Set the Speed Knob to zero, then turn clockwise and set the knob
to the desired speed setting.

For 3000 gram set the Speed Knob up to “8”.
For 1500 gram set the Speed Knob up to “10”.

To stop Machine, flip Toggle Switch to “OFF” position.
Use the Brake to slow the Bowl down.

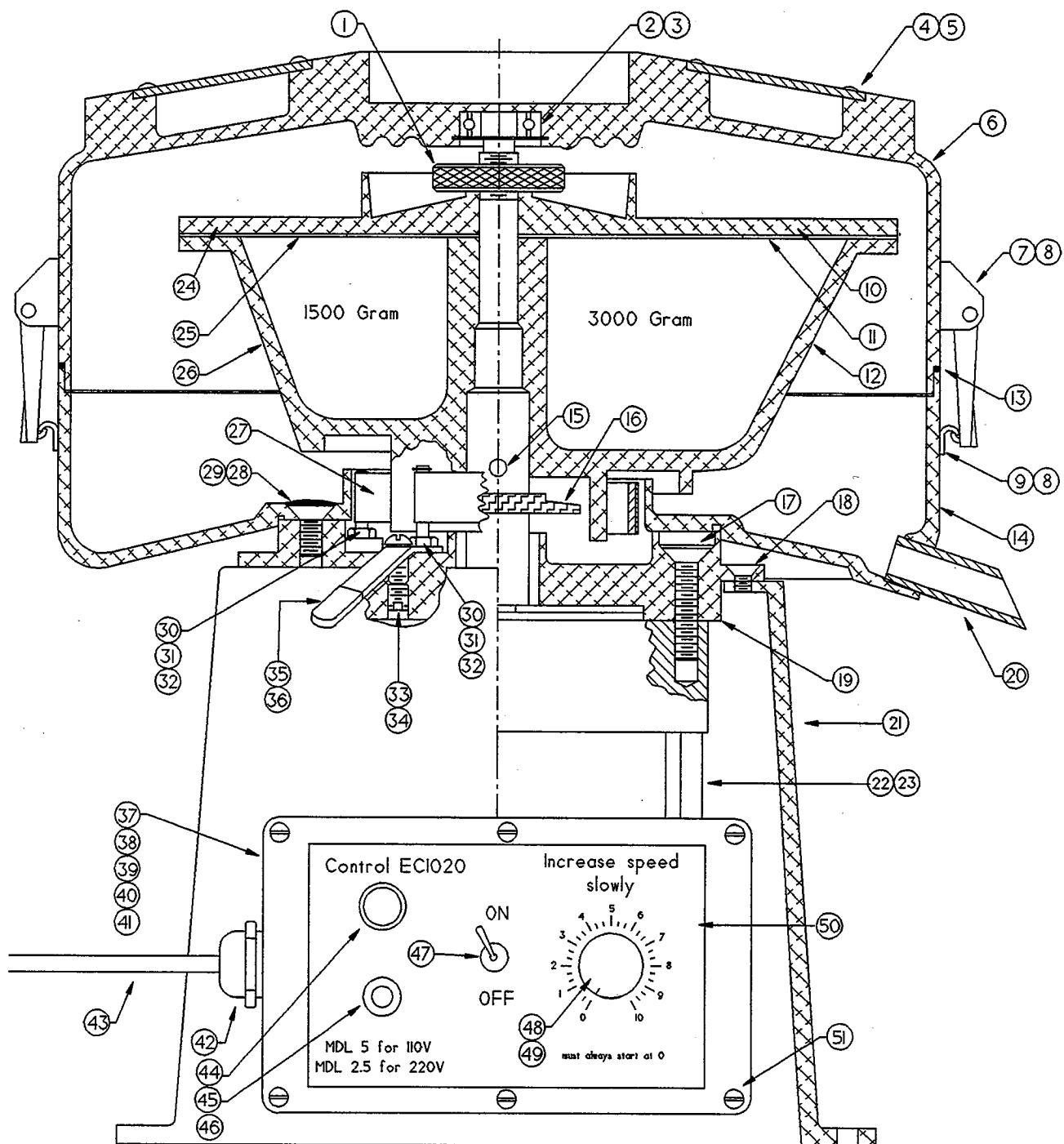
To re-start flip Toggle Switch on & adjust the speed.

EXTRACTOR PARTS LIST 1C, Series 5
 FOR THE FOLLOWING MODELS WITH EC 1020 CONTROL
 M205, MX205, M207, MX207, M205.2, MX205.2, M207.2, MX207.2
 Manufactured after: 5-1-1998

| Ref. # | PART NO. | DESCRIPTION | PCS. | OLD PART #. |
|---------------|-----------------|---|-------------|--------------------|
| 1 | 1015P0005 | Cover Nut | 1 | E230 |
| 2 | 1015P0010 | Bearing | 1 | B 1000 |
| 3 | 1015P0011 | Retaining Ring | 1 | SR1000 |
| 4 | 1015P0012 | Cover Handle | 2 | PA156 |
| 5 | 1015P0013 | Handle Screws | 8 | SO15 |
| 6 | 1015P0014 | Outer Cover | 1 | PA13 |
| 7 | 1015P0015 | Cover Clamp & Hook | 1 | CL1000 |
| 8 | 1015P0016 | Cover Clamp Screws | 8 | SO16 |
| 9 | 1015P0015A | Cover Clamp Assy., all Parts for 1 Machine | (2 sets) | CL1000A |
| 10 | 1015P0004 | 3000 Gram Cover | 1 | M 247 |
| 11 | 1085P0000 | 3000 Gram Filter | 1 | F 267 |
| 12 | 1015P0002 | 3000 Gram Bowl | 1 | M 257 |
| 13 | 1015P0018 | O" Ring | 1 | S 212 |
| 13 | 1015P0019 | O" Ring-Viton | 1 | S 212V |
| 14 | 1015P0020 | Lower Bowl | 1 | PA 14 |
| 15 | 1015P0021 | Drive Pin | 1 | PA 12-2 |
| 16 | 1015P0031 | Flinger, machined aluminum | 1 | S 213.1 |
| 17 | 1015P0022 | Motor mounting Screws | 4 | SO 18.1 |
| 18 | 1015P0023 | Base Screws | 5 | SO 19 |
| 19 | 1015P0024 | Motor Base Plate | 1 | PA 15.1 |
| 20 | 1015P0025 | Spout | 1 | PA 28 |
| 21 | 1015P0026 | Base | 1 | PA 34 |
| 22 | 1015P0027 | Motor Assy.w/Shaft,Explo-proof for 115 Volt | 1 | M 1010 |
| 22 | 1035P0001 | Motor Assy.w/Shaft,Explo-proof for 230 Volt | 1 | M 1015 |
| 23 | 1015P0028 | Motor Assy. w/Shaft, open for 115 Volt | 1 | M 1011 |
| 23 | 1035P0002 | Motor Assy. w/Shaft, open for 230 Volt | 1 | M 1016 |
| 24 | 1015P0003 | 1500 Gram Cover | 1 | E 245 |
| 25 | 1080P0000 | 1500 Gram Filter | 1 | F 265 |
| 26 | 1015P0001 | 1500 Gram Bowl | 1 | M 255 |
| 27 | 1015P0032 | Brake Band | 1 | PA 29 |
| 28 | 1015P0029 | Bowl mounting Screws | 3 | SO20 |
| 29 | 1015P0030 | Epoxy Seal | Kit | A12 |
| 30 | 1015P0033 | Lock Nut | 2 | NO 5 |
| 31 | 1015P0034 | Brake Retaining Pins | 2 | PA 16 |
| 32 | 1015P0035 | Retaining Ring | 1 | SR 1002 |
| 33 | 1015P0036 | Handle Pivot Screw | 1 | SO 21 |
| 34 | 1015P0037 | Handle Pivot Lock Screw | 1 | SO 22 |
| 35 | 1015P0038 | Brake Handle | 1 | PA 27 |
| 35A | 1015P0040 | Brake Handle Assy. w/ref.# 30,31,32,35,36 | 1 | PA 27A |
| 36 | 1015P0041 | Plastic Handle Cover | 1 | SO 24 |
| 37 | 1015P0046 | Electric Control,complete | 1 | EC 1020 |

| | <u>PART NO.</u> | <u>Description</u> | <u>Pcs.</u> | <u>OLD PART #.</u> |
|----|-----------------|-----------------------------------|-------------|--------------------|
| 38 | 1015P0047 | Electronic Board | 1 | E 101 |
| 39 | 1015P0048 | Enclosure | 1 | E 102 |
| 40 | 1015P0049 | Pipe Nipple | 1 | E 103 |
| 41 | 1015P0050 | Front Panel | 1 | E 104 |
| 42 | 1015P0051 | Cord Grip | 1 | E 105 |
| 43 | 1015P0052 | Power Cord for 115 Volt Machines | 1 | E 106 |
| 43 | 1015P0053 | Power Cord for 230 Volt Machines | 1 | E 107 |
| 44 | 1015P0054 | Pilot Light for 115 Volt Machines | 1 | E 108 |
| 44 | 1015P0055 | Pilot Light for 230 Volt Machines | 1 | E 109 |
| 45 | 1015P0056 | Fuse Holder | 1 | E 110 |
| 46 | 1015P0057 | Fuse 5Amp for 115 Volt Machines | 1 | E 111 |
| 46 | 1015P0058 | Fuse 2.5Amp for 230 Volt Machines | 1 | E 112 |
| 47 | 1015P0059 | Switch | 1 | E 113 |
| 48 | 1015P0060 | Potentiometer | 1 | E 114 |
| 49 | 1015P0061 | Knob | 1 | E 115 |
| 50 | 1015P0062 | Decal | 1 | E 116 |
| 51 | 1015P0063 | Cover Screws | 6 | E 117 |

Always give complete S/N when ordering Parts.



Extractor Parts List Series 5

| | |
|---|-----------------|
| Scale: | Drawn by: |
| Date: | Revised: 5/1/98 |
| Ploog Engineering Co. Inc Crown Point, In. 46307 | |
| Drawing Number PC-1C | |