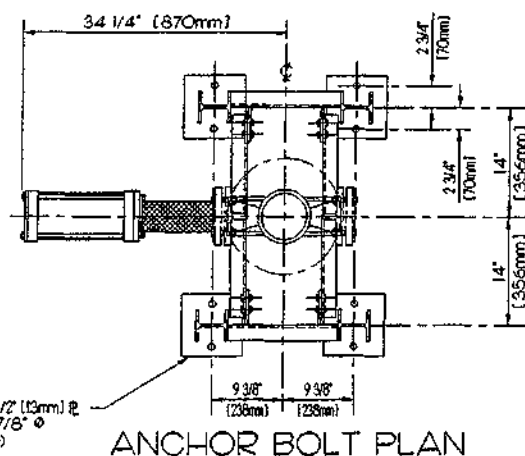
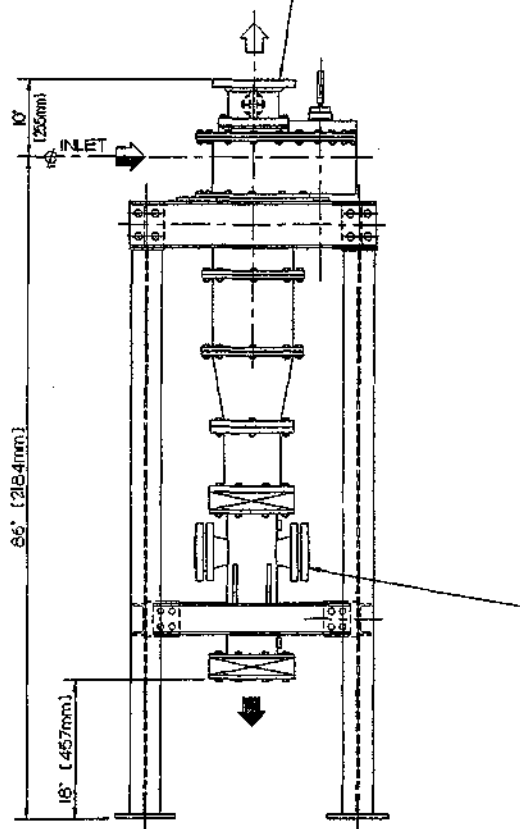
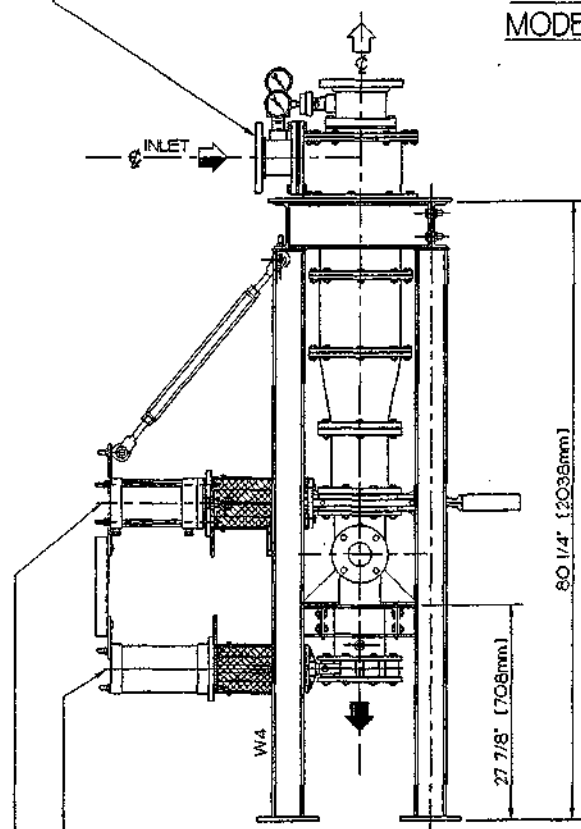




ANCHOR BOLT PLAN

6" [150mm] OVERFLOW  
150# STD. ANSI R.F., S.O., S.S., FLG. CONN.



END ELEVATION  
(VALVES ARE NOT SHOWN FOR CLARITY)

6" (150mm) CYLINDRICAL GRIT POT.  
NO. C4705-ST WITH 3" SIGHT GLASSES  
2-3/4" (9mm) NPT. THREADED ELUTRIATION CONNECTIONS

## FINAL CERTIFICATION

1. WHEN INSTALLING CLEANER INSERT SHIMS UNDER GRIT POT MOUNTING LUGS AND VALVE CYLINDER SUPPORT CHANNEL AS NECESSARY TO ENSURE POSITIVE SUPPORT AT THIS LEVEL.

2. ALL FASTENERS TO BE PLATED, HIGH STRENGTH.

THIS SHEET IS THE PROPERTY OF KREBS ENGINEERS,  
TUCSON, ARIZONA, AND IS LOANED UNDER THE EXPRESS  
CONDITION THAT IT IS NOT TO BE USED IN ANY MANNER  
DIRECTLY OR INDIRECTLY DETRIMENTAL TO KREBS ENGINEERS.

CERTIFIED FOR *W. Gorman Missimer Paper*  
P.O. No. *69034*  
REQ. No. \_\_\_\_\_ SO. No. *3968D*  
QTY. \_\_\_\_\_ MODEL \_\_\_\_\_  
SERIAL NO. \_\_\_\_\_  
BY *M. J.* DATE *JUL 18 2000*

**KREBS ENGINEERS**  
5505 WEST GILLETTE ROAD TUCSON, ARIZONA 85743  
PHONE (520) 744-8200 FAX (520) 744-8300

| TOLERANCE SCHEDULE, UNLESS OTHERWISE SPECIFIED |                                             |                             |
|------------------------------------------------|---------------------------------------------|-----------------------------|
| $\pm 24^\circ \pm 1/4^\circ$                   | $\pm 2^\circ$ UNP $100^\circ \pm 1/2^\circ$ | $\pm 100^\circ \pm 1^\circ$ |
| $\pm 100mm \pm 1mm$                            | $\pm 100mm$ UNP $250mm \pm 1mm$             | $\pm 250mm \pm 1mm$         |

|                                                                                       |              |                                                                                                                                                            |                       |
|---------------------------------------------------------------------------------------|--------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|
| 2 1/4"X100 CORRECTED SIGHT GLASS ORIENTATION                                          |              |                                                                                                                                                            |                       |
| 1 4-13-00 ROTATED INLET HEAD 180°                                                     |              |                                                                                                                                                            |                       |
| NO.                                                                                   | DATE         | REVISION DESCRIPTION                                                                                                                                       |                       |
| REVISION STATUS                                                                       |              |  <b>KREBS ENGINEERS</b>   5505 WEST GILLETTE ROAD<br>TUCSON, AZ 85743 |                       |
| Drawn By: VWR                                                                         |              |                                                                                                                                                            |                       |
| Date: 5/25/10                                                                         | Scale: _____ | Drawn By: Date: WLR 4-13-00                                                                                                                                | App'd By: WM BER 3.0. |
|  |              | GENERAL ARRANGEMENT<br>SUPPORT FRAME FOR ONE<br>PIOL-GP-2109 KREBS CYCLONE                                                                                 |                       |
| C • KREBS ENGINEERS 2000                                                              |              | DWG. SKI592-WMP                                                                                                                                            |                       |



1. WHEN INSTALLING CLEANER INSERT SHIMS UNDER GRIT POT MOUNTING LUGS AND VALVE CYLINDER SUPPORT CHANNEL AS NECESSARY TO ENSURE POSITIVE SUPPORT AT THIS LEVEL.
2. ALL FASTENERS TO BE PLATED, HIGH STRENGTH.

INLET HEAD LINER PART NO. 10248-BH SIZE 78in<sup>2</sup> [5032mm<sup>2</sup>]

VORTEX FINDER      PART NO. 105L-NH      SIZE 3.5" (89mm)

APEX ORIFICE      PART NO. C4006C-CC-4      SIZE 4 (102mm)

BARE WEIGHT 575# [261 kg] SHIPPING WEIGHT 740# [336 kg]

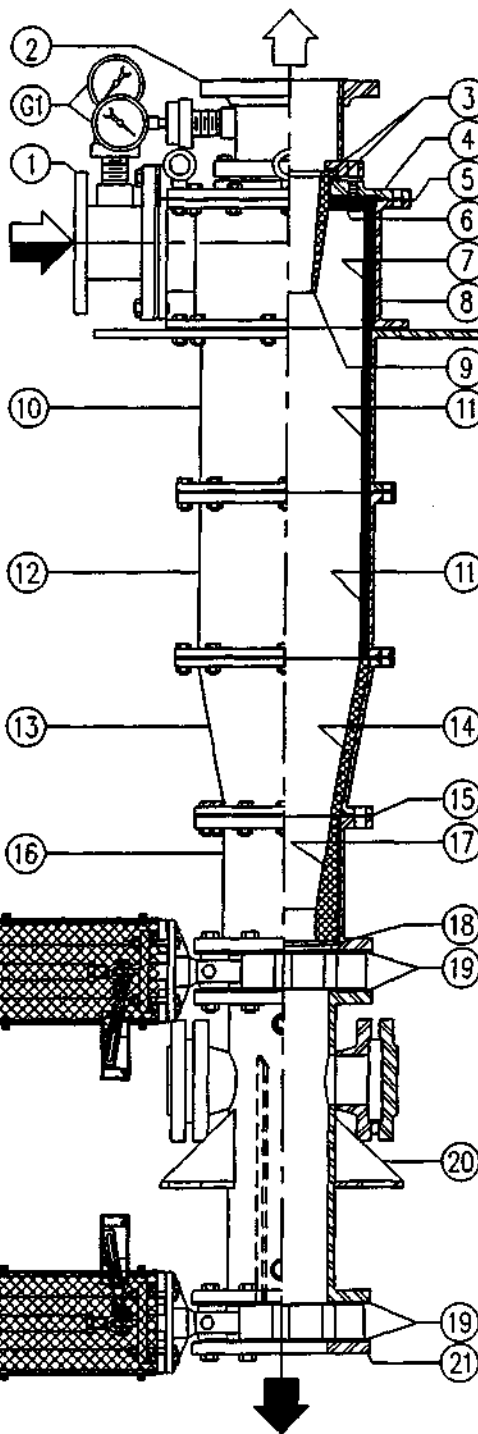
CERTIFIED FOR Wagon: Mooney Paper  
P.O. No. 69034  
REQ. No. SO. No. 39680  
QUAN. 1 MODEL P10L-GP-2109  
SERIAL No. 69471  
BY Mike DATE JUL 18 1970  
**KREBS ENGINEERS**  
5505 WEST GILLETTE ROAD TUCSON, ARIZONA 85743  
PHONE: (520) 744-8200 FAX: (520) 744-8300

## FINAL CERTIFICATION

|                                                                                                     |                        |                                                                                                                                   |                               |                                             |      |
|-----------------------------------------------------------------------------------------------------|------------------------|-----------------------------------------------------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------|------|
| 2                                                                                                   | 5/24/00                | CHANGED APEX LINER FROM 618C-OR TO C4006G-CC-4<br>CHANGED SIGHT GLASS ORIENTATION                                                 |                               |                                             |      |
| 1                                                                                                   | 4/26/00                | REVISED INLET HEAD TO BE ROTATED 180° PER CUSTOMER'S COMMENTS.                                                                    |                               |                                             |      |
| NO. DATE                                                                                            |                        | REVISION DESCRIPTION                                                                                                              |                               |                                             |      |
| REVISION STATUS                                                                                     |                        |                                                                                                                                   |                               |                                             |      |
| Dwn. By:<br>LC                                                                                      |                        |  <b>KREBS®<br/>ENGINEERS</b>                 |                               | 5506 WEST GILLETTE ROAD<br>TUCSON, AZ 85743 |      |
| Date:<br>5/25/00                                                                                    |                        | Scale:<br>----                                                                                                                    | Dwn. By: Date:<br>WLR 4-13-00 | Apprd. By:<br>WM BBR                        | S.O. |
| Apprd. By:<br> |                        | <p>GENERAL ARRANGEMENT</p> <p>KREBS CLEANER - MODEL PIOL-GP-2109</p> <p>WITH 6" (150mm) GRIT POT ASSEMBLY</p> <p>NO. C4705-ST</p> |                               |                                             |      |
| C                                                                                                   | © KREBS ENGINEERS 2000 |                                                                                                                                   | DWG. NO.                      | S2109-SK1592-WMP                            |      |

**KREBS CYCLONE PARTS LIST****Model P10L-GP-69471 (P10L-GP-2109) With No. C4705 Grit Pot****WAUSAU MOSINEE PAPER****CUSTOMER P.O. NO: 69034 / SERIAL NO: 69471**

PL 3983-SK1592-WMP-69471 Revise To Date: May 12, 2000

**PART NUMBER****DESCRIPTION**

- |                   |                                                                                                                       |
|-------------------|-----------------------------------------------------------------------------------------------------------------------|
| 1. 152F-SS-4F     | Inlet Flanged Adapter Spool, 4" Size, Stainless Steel.                                                                |
| G1. PI-PL727-60   | Pressure Gauge, Bourdon Tube Type Gauge, 3.5" Diameter Dial With 0-60 Graduations, 1.25" NPT Connections, 2 required. |
| 2. C3220-SS-6F    | Overflow Flanged Adapter Spool, 6" Size, Stainless Steel.                                                             |
| 3. 105GL-RN       | Gasket, 2 Req'd, Neoprene.                                                                                            |
| 4. 103L-ST-5      | Top Cover Plate, Steel.                                                                                               |
| 5. C2156G-2-RN    | Gasket, Neoprene.                                                                                                     |
| 6. 103R-RH-5      | Top Cover Plate Liner, Nitrile.                                                                                       |
| 7. 102LR-RH-7.8   | Inlet Head Liner, 7.8 Sq. In. Inlet Orifice Size, Nitrile.                                                            |
| 8. 102L-ST        | Inlet Head, Steel.                                                                                                    |
| 9. 105L-NH-3.5    | Vortex Finder, 3.5" Size, Nihard, Sizes Available: 2", 2.5", 3", 3.5" & 4".                                           |
| 10. C2169-ST-MF   | Cylinder Section With Mounting Plate, Steel.                                                                          |
| 11. 104R-RH       | Cylinder Liner, 2 Req'd, Nitrile.                                                                                     |
| 12. 104-ST        | Cylinder Section, Steel.                                                                                              |
| 13. C4716-ST      | Cone Section, Steel.                                                                                                  |
| 14. 94-6N-NH      | Cone Liner, Nihard.                                                                                                   |
| 15. C7083G-RN     | Gasket, Neoprene.                                                                                                     |
| 16. C4730-ST      | Apex Housing, Steel.                                                                                                  |
| 17. C4006C-CC-4   | Apex Insert, 4" Size, 90% Alumina, Sizes Available: 2" Thru 6" In .25" Increments.                                    |
| 18. C4729-SS-4.5  | Apex Retainer Plate, Stainless Steel.                                                                                 |
| 19. C8020G-RN     | Gasket, 4 Req'd, Neoprene.                                                                                            |
| 20. C4705-ST      | Grit Pot With 2 - 3" Sight Glasses & Rotation Breakers, Steel.                                                        |
| 21. C4689-ST      | Valve Seat Retainer Plate, Steel.                                                                                     |
| 22. TURNBUCKLE-1" | Turnbuckle (Jaw x Jaw), 1" Size, Steel.                                                                               |
| 23. C4737-ST      | Valve Support Bracket For Turnbuckle, Steel.                                                                          |
| 24. C4739-ST      | Valve Support Bracket, Steel, 2 Required.                                                                             |
| 25. C4740-ST      | Outside Support Channel, Steel.                                                                                       |

**Krebs Automatic Purge System Consisting Of The Following Items:**

- A. 2 - 6" Rovalves-SS, KV-RV-SB1700-06 Split Body Knife Gate Valve With Two Replaceable Seats, Three Flush Ports, 1-Each 6" Air Cylinder & Proximity Switch & F400B Speed Control (Top Valve Only) Valve Guards Included.
- B. 2 Each KV-ASC-8344G-44 Two Position, Four-Way Solenoid Valve: 1 Phase, 60 Hz. 115 Volts.
- C. SK1537 Timer HN368HP56HP51: Timer System Incorporating A 2-60 Minutes Adjustable Entrance Timer & A 2-60 Second Adjustable Dump Timer; Supply Includes Splash Proof Enclosure Box With On/Off Switch.
- D. Combination Air Filter/Air Regulator With 1/2" [13mm] N.P.T. Connections.
- E. 1 Set Neoprene Air hose & Fittings.

**STANDARD LINER MATERIAL**

Nihard & Nitrile.  
Other Materials Available Upon Request.

|                                                 |                               |                                    |                |           |            |             |         |               |               |                 |                |                         |            |          |                         |                |             |                         |               |                   |                |                         |              |             |                       |                             |                           |                           |                           |                           |           |            |                 |                     |                       |              |                       |                  |              |                             |
|-------------------------------------------------|-------------------------------|------------------------------------|----------------|-----------|------------|-------------|---------|---------------|---------------|-----------------|----------------|-------------------------|------------|----------|-------------------------|----------------|-------------|-------------------------|---------------|-------------------|----------------|-------------------------|--------------|-------------|-----------------------|-----------------------------|---------------------------|---------------------------|---------------------------|---------------------------|-----------|------------|-----------------|---------------------|-----------------------|--------------|-----------------------|------------------|--------------|-----------------------------|
| Material Symbols: CC: 90% Alumina<br>(01-16-97) | CG: Silicon Carbide Composite | CZ: Sintered Alpha Silicon Carbide | GF: Gylon Farn | ML: Monel | NH: Nihard | PA: Plastic | PV: PVC | BA: Vibrabone | Compound 6063 | RB: Chlorobutyl | RC: Royal Cast | Compressed Non-Asbestos | PT: Teflon | RE: EPDM | RF: Food Grade Neoprene | RG: Gun Rubber | RH: Nitrile | RI: High Temp. Urethane | Compound 9150 | RJ: White Nitrile | RK: Ultrane HT | RM: White Urethane (95) | RN: Neoprene | RP: Hypalon | RQ: Food Grade Rubber | RT: Ultrane II (Food Grade) | RU: 90 Durometer Urethane | RW: 90 Durometer Urethane | RV: 95 Durometer Urethane | RX: 75 Durometer Urethane | RY: Viton | SC: CD4MCU | SE: 625 Inconel | SS: Stainless Steel | SSB: Boride Coated SS | SSS: AL-630N | SDB: Boride Coated SS | ST: Carbon Steel | Ti: Titanium | KZ: Corrosion Resist. Units |
|-------------------------------------------------|-------------------------------|------------------------------------|----------------|-----------|------------|-------------|---------|---------------|---------------|-----------------|----------------|-------------------------|------------|----------|-------------------------|----------------|-------------|-------------------------|---------------|-------------------|----------------|-------------------------|--------------|-------------|-----------------------|-----------------------------|---------------------------|---------------------------|---------------------------|---------------------------|-----------|------------|-----------------|---------------------|-----------------------|--------------|-----------------------|------------------|--------------|-----------------------------|

**PLEASE SPECIFY PART NUMBER AND CYCLONE SERIAL NUMBER WHEN ORDERING PARTS.****www.krebs.com**

© KREBS ENGINEERS 2000

**CORPORATE OFFICES - TUCSON, USA**  
PHONE: (1-520) 744-8200  
FAX: (1-520) 744-8300  
krebs@krebs.com

**KREBS ENGINEERS BRASIL Ltda.**  
PHONE: (55-11) 7967-3555  
FAX: (55-11) 7967-3401  
krebsbrasil@krebs.com

**KREBS AUSTRALIA PTY. LTD.**  
PHONE: (61-7) 5571-6760  
FAX: (61-7) 5571-6762  
krebsaustralia@krebs.com

**KREBS ENGINEERS CHILE S.A.**  
PHONE: (56-2) 621-5744  
FAX: (56-2) 621-8955  
krebschile@krebs.com

**KREBS ENGINEERS GmbH AUSTRIA**  
PHONE: (43-2167) 3345  
FAX: (43-2167) 3337  
krebsgmbh@krebs.com

**KREBS ENGINEERS PACIFIC**  
PHONE: (63-2) 633-5705  
FAX: (63-2) 633-3561  
krebspacific@krebs.com