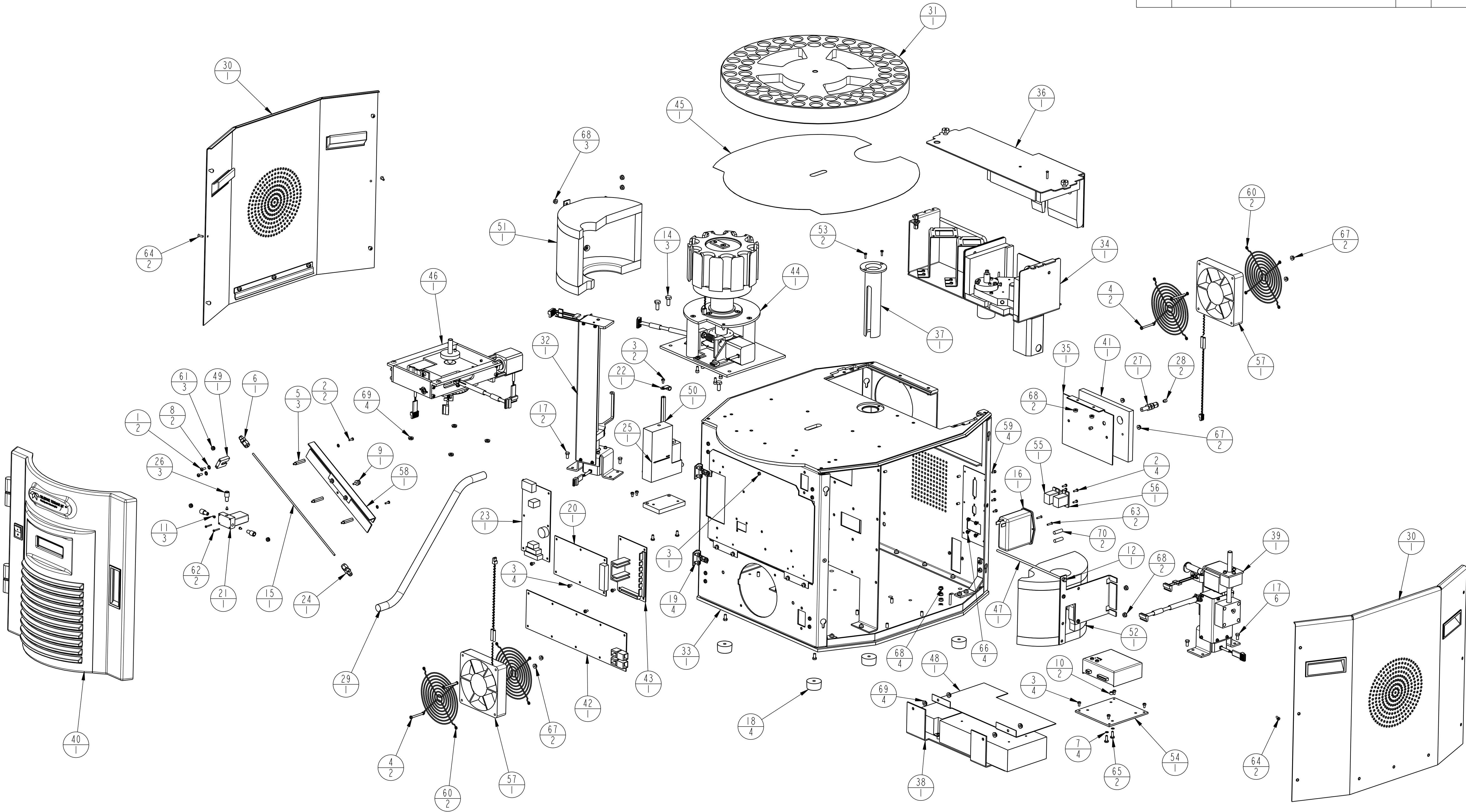


| REVISION HISTORY |           |                    |         |      |       |
|------------------|-----------|--------------------|---------|------|-------|
| REV              | CN No.    | DESCRIPTION        | DATE    | DR.  | APPD. |
| A                | 041130-01 | PRODUCTION RELEASE | 3.19.05 | R.K. |       |
|                  |           |                    |         |      |       |



|                                                                                                                                                                                                                           |  |                                                                                                                                                                                                                           |  |                                        |                 |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|----------------------------------------|-----------------|
| <b>TOLERANCES</b><br>UNLESS OTHERWISE SPECIFIED<br>DIMENSIONS ARE IN INCHES<br>AND INCLUDE APPLIED FINISHES                                                                                                               |  | <b>DR. R. KIST 03-19-05</b>                                                                                                                                                                                               |  | <b>TEKMAR COMPANY</b>                  |                 |
| <b>PR. BLOCK</b><br>THIS DOCUMENT CONTAINS PROPRIETARY INFORMATION AND SUCH INFORMATION MAY NOT BE DISCLOSED TO OTHERS FOR ANY PURPOSE NOR USED FOR MANUFACTURING PURPOSES WITHOUT WRITTEN PERMISSION FROM THE TEKMAR CO. |  | <b>PR. BLOCK</b><br>THIS DOCUMENT CONTAINS PROPRIETARY INFORMATION AND SUCH INFORMATION MAY NOT BE DISCLOSED TO OTHERS FOR ANY PURPOSE NOR USED FOR MANUFACTURING PURPOSES WITHOUT WRITTEN PERMISSION FROM THE TEKMAR CO. |  | <b>TITLE</b><br>HT3 UNIT (LOOP & TRAP) |                 |
| <b>MATERIAL:</b>                                                                                                                                                                                                          |  | <b>FINISH:</b>                                                                                                                                                                                                            |  | <b>SIZE D</b>                          | <b>PART NO.</b> |
|                                                                                                                                                                                                                           |  |                                                                                                                                                                                                                           |  | <b>SCALE</b>                           | <b>REV</b>      |
|                                                                                                                                                                                                                           |  |                                                                                                                                                                                                                           |  | 0.250                                  | A               |
|                                                                                                                                                                                                                           |  |                                                                                                                                                                                                                           |  | SHEET 1 OF 2                           |                 |

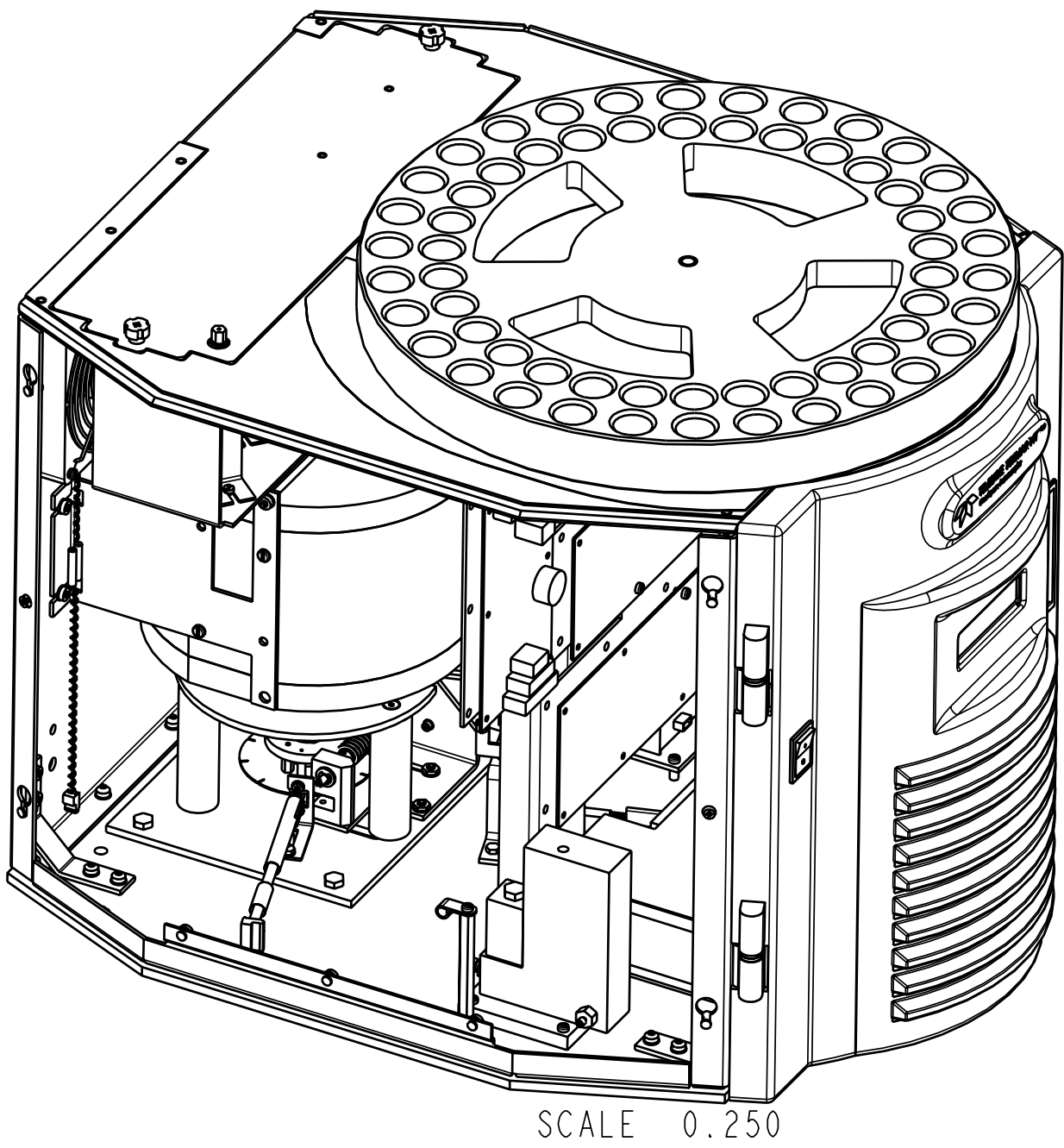
D

C

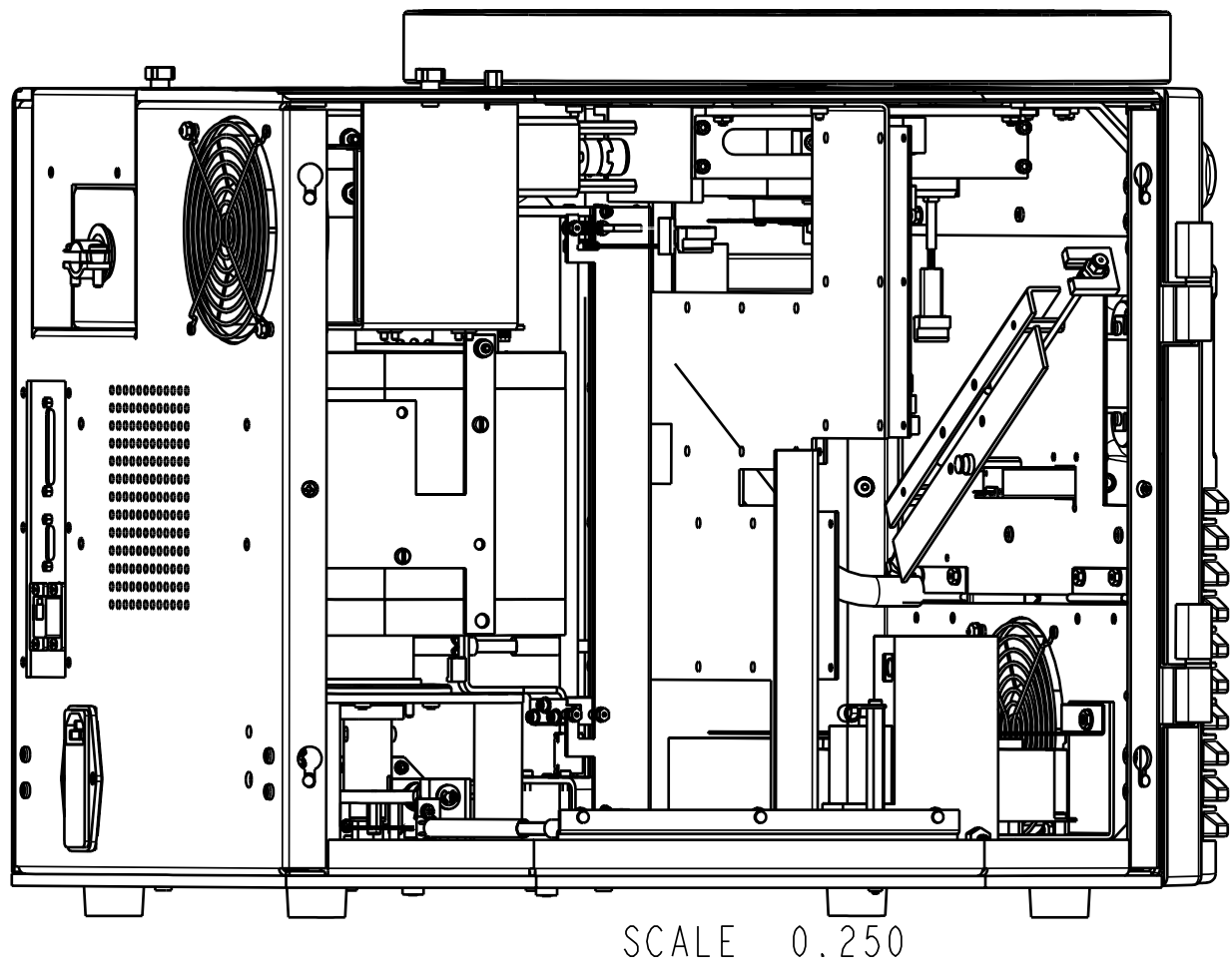
B

A

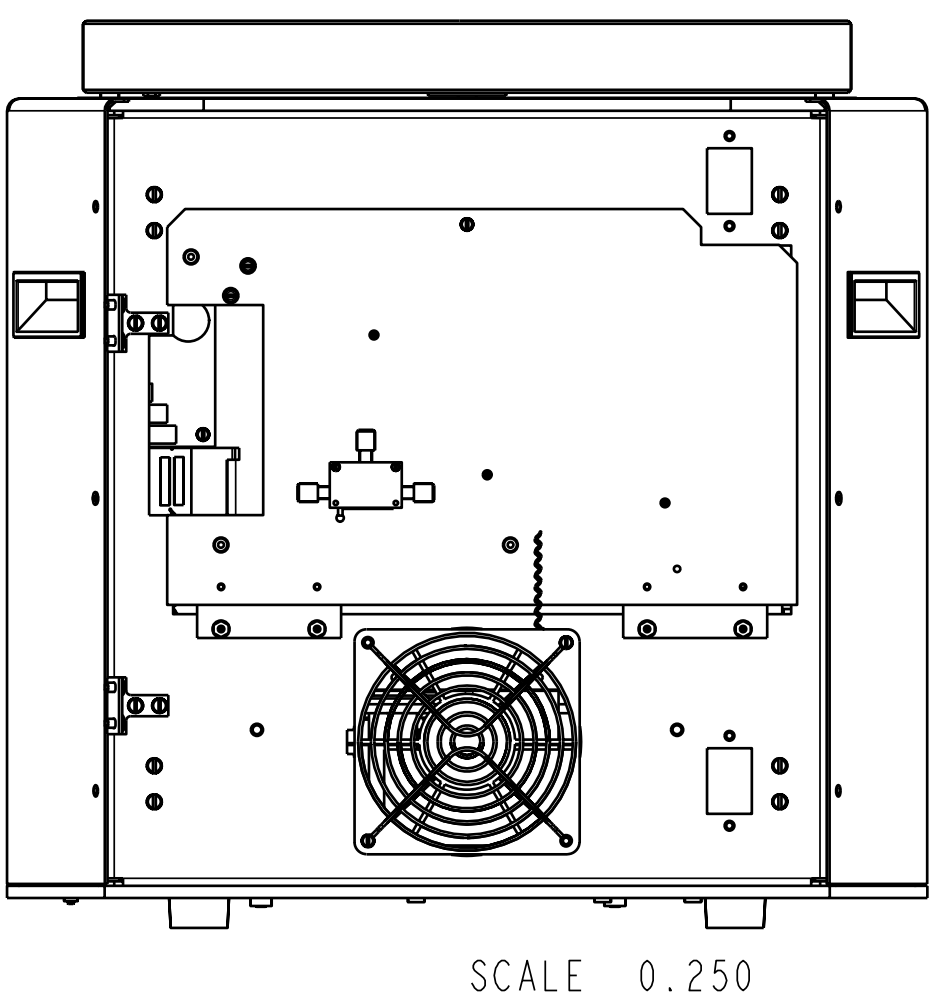
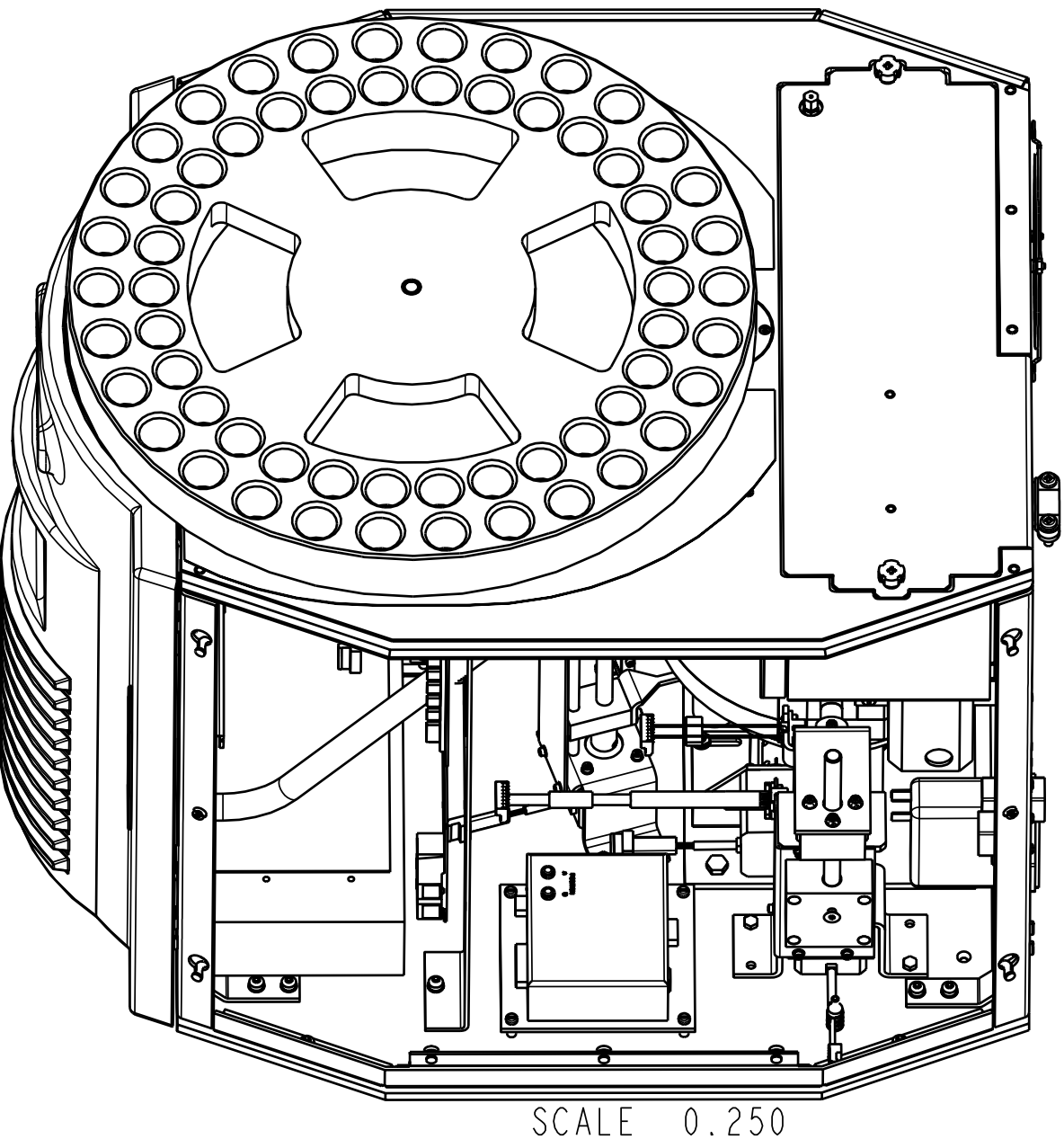
| QTY | ITEM | PART NUMBER | DESCRIPTION                               |
|-----|------|-------------|-------------------------------------------|
| 2   | 1    | 12-0323-001 | SCREW, 6-32X.375, PAN, SLOT, SS           |
| 6   | 2    | 12-0323-801 | SCREW, PAN, 4-40X.375, SLOT, SS           |
| 11  | 3    | 12-0323-H01 | SCREW, #6-32 X .25 LG. SL. PHD. SST       |
| 4   | 4    | 12-0323-K01 | SCREW, #6-32 X 1.50 LG. SL PH. SST        |
| 3   | 5    | 12-0350-006 | STANDOFF, #6-32 X 1.00 LG. M/F SST.       |
| 1   | 6    | 14-0050-016 | UNION, REDUCING, 1/8-1/16, S.S.           |
| 4   | 7    | 14-0485-009 | #4-40 LOCKWASHER INTERNAL                 |
| 2   | 8    | 14-0485-109 | WASHER, LOCK, INT., TOOTH,#6              |
| 1   | 9    | 14-2454-010 | NUT, THUMB, #6-32                         |
| 2   | 10   | 14-2882-046 | SPACER,                                   |
| 3   | 11   | 14-3123-016 | FERRULE, 1/16, UPCHURCH                   |
| 1   | 12   | 14-3539-010 | NUT, #8-32 ACORN                          |
| 2   | 13   | 14-3711-023 | DOUBLE-SIDED TAPE, 1.25" LG.              |
| 3   | 14   | 14-4837-001 | SCREW, HEX 1/4-20 X .625 LG               |
| 1   | 15   | 14-5864-003 | TRAP, VOCARB                              |
| 1   | 16   | 14-6273-000 | POWER ENTRY MODULE                        |
| 8   | 17   | 14-6571-001 | 10-32 X .50 HEX HD SCREW                  |
| 4   | 18   | 14-7452-011 | BUMPER                                    |
| 4   | 19   | 14-7729-001 | SCREW, #10-24 X .25 LG. SL. PHD. SST      |
| 1   | 20   | 14-7835-090 | TEMP. CONTROL P.C.B.                      |
| 1   | 21   | 14-8318-050 | 66VALVE,3-WAY                             |
| 1   | 22   | 14-8619-022 | CLAMP, ALUMINUM                           |
| 1   | 23   | 14-8781-090 | D.C. CONTROL-CONCENTRATOR P.C.B.          |
| 1   | 24   | 14-8905-116 | UNION 1/8 TO 1/16 SILCOSTEEL COATED       |
| 1   | 25   | 14-8907-000 | M.F.C. ASSY                               |
| 3   | 26   | 14-8916-016 | NUT, 1/16" DELRIN (UPCHRUCH)              |
| 1   | 27   | 14-8918-016 | 1/8 " to 1/8" BULK HD. UNION SILCO STEEL. |
| 2   | 28   | 14-8919-016 | 1/8" TO 1/16" GRAPHITE                    |
| 1   | 29   | 14-9085-220 | ASSY. HEATER, TRL                         |
| 2   | 30   | 14-9096-000 | SIDE PANEL ASSY                           |
| 1   | 31   | 14-9105-379 | CARROUSEL, VIAL-60 POSITION               |
| 1   | 32   | 14-9131-000 | VIAL / LOADER ASSEMBLY                    |
| 1   | 33   | 14-9140-180 | CHASSIS                                   |
| 1   | 34   | 14-9141-000 | PLUMING MODULE, ASSEMBLY                  |
| 1   | 35   | 14-9142-080 | PLATE, INSULATION-MTG.                    |
| 1   | 36   | 14-9150-180 | PLUMING MODULE, TOP COVER ASSEMBLY        |
| 1   | 37   | 14-9152-179 | TUBE, GUIDE-VIAL                          |
| 1   | 38   | 14-9153-100 | POWER SUPPLY ASSY                         |
| 1   | 39   | 14-9155-000 | ELEVATOR / MIXING ASSY                    |
| 1   | 40   | 14-9156-000 | FRONT PANEL ASSY                          |
| 1   | 41   | 14-9167-004 | INSULATION, OVEN - BACK                   |
| 1   | 42   | 14-9180-090 | MOTOR CONTROL P.C.B.                      |
| 1   | 43   | 14-9185-090 | A.C. CONTROL P.C.B.                       |
| 1   | 44   | 14-9240-000 | PLATEN ASSEMBLY,115VAC                    |
| 1   | 45   | 14-9265-180 | CAROUSEL- VIAL SLIDING PAD                |
| 1   | 46   | 14-9266-000 | CAROUSEL, DRIVE ASSEMBLY                  |
| 1   | 47   | 14-9352-001 | #8-32 ALL-THREAD, INSULATION RETAINER     |
| 1   | 48   | 14-9366-080 | GUARD, POWER SUPPLY                       |
| 1   | 49   | 14-9386-079 | BRACKET, MOUNTING, TRAP                   |
| 1   | 50   | 14-9390-046 | STANDOFF, COIL WIRE                       |
| 1   | 51   | 14-9391-000 | LEFT HAND INSULATION ASSY                 |
| 1   | 52   | 14-9392-000 | RIGHT HAND INSULATION ASSY                |
| 2   | 53   | 14-9399-001 | SCREW-6-32 X .375 LG SST LOW HD. SOC. CAP |
| 1   | 54   | 14-9420-080 | PLATE, MTG. - VALCO MODULE                |
| 1   | 55   | 14-9429-035 | CONNECTOR, STRAIGHT WIRED COUPLER         |
| 1   | 56   | 14-9430-035 | CONNECTOR, COUPLER-ETHERNET               |
| 2   | 57   | 14-9437-000 | FAN ASSEMBLY-EXHAUST                      |
| 1   | 58   | 14-9438-080 | GUARD, TRAP                               |
| 4   | 59   | 14-9439-035 | SCREW KIT                                 |
| 4   | 60   | 040-655     | FAN GUARD                                 |
| 3   | 61   | 070-614     | GROMET - RUBBER                           |
| 2   | 62   | 110-011     | SCREW, #2-56 X .625 LG. SL. PHD.          |
| 2   | 63   | 110-055     | SCREW, #4-40 X .500 LG. C-SINK            |
| 4   | 64   | 110-212     | SCREW, #6-32 X .43 LG. C-SINK             |
| 2   | 65   | 110-304     | SCREW, #8-32 X .50 LG.                    |
| 4   | 66   | 110-616     | #4-40 KEPNUT                              |
| 6   | 67   | 110-617     | #6 KEP NUT                                |
| 11  | 68   | 110-618     | KEPNUT, #8-32                             |
| 8   | 69   | 110-619     | KEPNUT, #10-32                            |
| 2   | 70   | SEE TABLE   | FUSE                                      |



| UNIT VOLTAGE | HT3 (LOOP & SWEEP) P/N | PLUMBING MODULE P/N | TRL P/N     | PLATEN P/N  | FUSE P/N    |
|--------------|------------------------|---------------------|-------------|-------------|-------------|
| 115VAC       | 14-9300-00S            | 14-9141-400         | 14-9085-120 | 14-9240-100 | 14-5180-034 |
| 230VAC       | 14-9300-10S            | 14-9141-500         | 14-9085-220 | 14-9240-200 | 14-5665-034 |



- NOTES:  
1) FOR PLUMBING OF HT3 FINAL ASSEMBLY (LOOP AND TRAP)  
SEE PLUMBING DIAGRAM P/N 14-9300-PIPE  
2) FOR ELECTRICAL CONNECTIONS SEE  
WIRING DIAGRAM P/N 14-9192-088



|                                                                                                                           |  |                                                                                                                                                                                                                               |  |                                 |  |
|---------------------------------------------------------------------------------------------------------------------------|--|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|---------------------------------|--|
| <div>TOLERANCES</div> <div>UNLESS OTHERWISE SPECIFIED<br/>DIMENSIONS ARE IN INCHES<br/>AND INCLUDE APPLIED FINISHES</div> |  | DR. R. KIST 03-22-05                                                                                                                                                                                                          |  | TEKMAR COMPANY                  |  |
|                                                                                                                           |  | CHECK                                                                                                                                                                                                                         |  |                                 |  |
|                                                                                                                           |  | APPD.                                                                                                                                                                                                                         |  |                                 |  |
| X.X ±0.1<br>X.XX ±0.03<br>X.XXX ±0.005<br>X.X° ±0.5                                                                       |  | PR. BLOCK<br><div>THIS DOCUMENT CONTAINS PROPRIETARY INFORMATION AND SUCH INFORMATION MAY NOT BE DISCLOSED TO OTHERS FOR ANY PURPOSE NOR USED FOR MANUFACTURING PURPOSES WITHOUT WRITTEN PERMISSION FROM THE TEKMAR CO.</div> |  | TITLE<br>HT3 UNIT (LOOP & TRAP) |  |
| MATERIAL:                                                                                                                 |  | SIZE D                                                                                                                                                                                                                        |  | PART NO. 14-9300-0S             |  |
| FINISH:                                                                                                                   |  | SCALE 0.250                                                                                                                                                                                                                   |  | REV A                           |  |
|                                                                                                                           |  |                                                                                                                                                                                                                               |  | SHEET 2 OF 2                    |  |