

| MATERIAL SCHEDULE |        |      |                   |          |      |   |  |  |  |
|-------------------|--------|------|-------------------|----------|------|---|--|--|--|
| ITEM #            | PART # | QTY. | SIZE / THICK      | MATERIAL | SA # | DESCRIPTION   |  |  |  |
| 1                 | ---    | 1    | 10 GA.            | 304 S.S. | 240  | INNER SHELL   |  |  |  |
| 2                 | ---    | 1    | 8 GA.             | 304 S.S. | 240  | INNER BOTTOM HEAD, 15" FABRICATED CONE W/ 3" K.R. & 1/2" S.F.                   |  |  |  |
| 3                 | ---    | 1    | 8 GA.             | 304 S.S. | 240  | TOP HEAD (F & D) WITH 40" D.R., 3" K.R. & 1/2" S.F.                             |  |  |  |
| 4                 | ---    | 1    | 2"                | ARMACELL | ---  | INSULATION (SIDES & BOTTOM)   |  |  |  |
| 5                 | ---    | 1    | 12 GA.            | 304 S.S. | ---  | OUTER WRAP  |  |  |  |
| 6                 | ---    | 1    | 12 GA.            | 304 S.S. | ---  | OUTER BOTTOM HEAD, 15" SPUN CONE WITH 1" K.R. & 1" S.F. (APPROX. 16" DIA. FLAT) |  |  |  |
| 7                 | ---    | 1    | 16 GA.            | 304 S.S. | 240  | HEAT EXCHANGE SURFACE (SIDE WALL CHANNEL)                                       |  |  |  |
| 8                 | ---    | 1    | 14 GA.            | 304 S.S. | 240  | HEAT EXCHANGE SURFACE (BOTTOM HEAD DIMPLE)                                      |  |  |  |
| 9                 | ---    | 2    | 10 GA.            | 304 S.S. | 240  | SIDE WALL HEADERS   |  |  |  |
| 10                | ---    | 2    | 3/16" THK.        | 304 S.S. | 240  | SIDE WALL HEADER ZONE BAFFLES   |  |  |  |
| 11                | ---    | 2    | 10 GA.            | 304 S.S. | 240  | BOTTOM HEAD HEADERS   |  |  |  |
| 12                | ---    | 7    | 12 GA.            | 304 S.S. | 240  | FITTING ESCUTCHEONS   |  |  |  |
| 13                | ---    | ---  | ---               | ---      | ---  | ---   |  |  |  |
| 14                | ---    | 4    | 10 GA.            | 304 S.S. | 240  | LEG TO SHELL PADS   |  |  |  |
| 15                | ---    | 4    | 2" SCH.40         | 304 S.S. | ---  | PIPE LEGS   |  |  |  |
| 16                | ---    | 4    | 3/4" X 4 1/2" SQ. | 304 S.S. | ---  | FLOOR PLATES  |  |  |  |
| 17                | ---    | 4    | 12 GA.            | 304 S.S. | ---  | LEG ESCUTCHEONS   |  |  |  |
| 18                | ---    | 1    | ---               | ---      | ---  | MOTOR MOUNT ASSEMBLY - 2" PIPE STANDARD   |  |  |  |
| 19                | ---    | 1    | 1/4" PLT.         | 304 S.S. | 240  | GUIDE BEARING ASSEMBLY W/ VORTEX BREAKER  |  |  |  |
| 20                | ---    | 1    | ---               | ---      | ---  | SCRAPER ACTATOR ASSEMBLY W/ TEFLON BLADES                                       |  |  |  |
| 21                | ---    | 1    | ---               | ---      | ---  | BAFFLE ASSEMBLY   |  |  |  |
| 22                | ---    | 1    | 10 GA.            | 304 S.S. | 240  | BREAST RING   |  |  |  |
| 23                | ---    | 1    | 1.5 H.P.          | ---      | ---  | MASTER XL GEAR MOTOR, 1.5 H.P.  |  |  |  |
| 24                | ---    | 1    | 6" O.D.           | RUBBER   | ---  | RUBBER DUST SHIELD (2 15/16" I.D.)  |  |  |  |

| NOZZLE SCHEDULE |          |      |                 |      |             |      |        |             |  |
|-----------------|----------|------|-----------------|------|-------------|------|--------|-------------|--|
| ITEM #          | PART #   | QTY. | MATERIAL        |      |             | SIZE | RATE   | DESCRIPTION |  |
|                 |          |      | STUB            | SA # | FLANGE SA # |      |        |             |  |
| A               | ---      | 1    | SCH.40 304 S.S. | 312  | 304 S.S.    | 182  | 1"     | 150#        | LAP JOINT FLANGE W/45' ELBOW (PROCESS INLET)                       |
| B               | ---      | 1    | SCH.40 304 S.S. | 312  | 304 S.S.    | 182  | 1"     | 150#        | LAP JOINT FLANGE W/ 45' ELBOW (RECYCLE INLET)                      |
| C               | ---      | 1    | SCH.40 304 S.S. | 312  | 304 S.S.    | 182  | 1"     | 150#        | LAP JOINT FLANGE (TEMP. INDICATOR)                                 |
| D               | ---      | 1    | SCH.40 304 S.S. | 312  | 304 S.S.    | 182  | 3"     | 150#        | LAP JOINT FLANGE (PROCESS OUTLET)                                  |
| E               | ---      | 2    | SCH.40 304 S.S. | 312  | 304 S.S.    | 182  | 1 1/2" | 150#        | LAP JOINT FLANGE (SIDEWALL JACKET FITTINGS)                        |
| F               | ---      | 2    | SCH.40 304 S.S. | 312  | 304 S.S.    | 182  | 1"     | 150#        | LAP JOINT FLANGE (BOTTOM JACKET FITTINGS)                          |
| G               | ---      | 1    | 304 S.S.        | 240  | 304 S.S.    | 240  | 4"     | ---         | ARCHON #H180/KB-80 SIGHTGLASS & LIGHT ASSEMBLY                     |
| H               | MWYLA001 | 1    | 304 S.S.        | 240  | ---         | ---  | 18"    | ---         | MANHOLE ASSEMBLY   |
| J               | ---      | 1    | SCH.40 304 S.S. | 312  | 304 S.S.    | 182  | 3"     | 150#        | LAP JOINT FLANGE (INLET FOR LEVEL TRANS.)                          |
| K               | ---      | 1    | SCH.40 304 S.S. | 312  | 304 S.S.    | 182  | 1 1/2" | 150#        | LAP JOINT FLANGE (CIP CONNECTION)                                  |
| M               | ---      | 1    | SCH.40 304 S.S. | 312  | 304 S.S.    | 182  | 3"     | 150#        | LAP JOINT FLANGE (VENT)  |
| N               | ---      | 1    | 316L S.S.       | 312  | ---         | ---  | 3"     | ---         | #14 MPW TRI-CLAMP FERRULE W/ STD. SPLIT SHAFT SEAL W/ (1) "O"-RING |

**WARRANTY**

Walker Stainless Equipment Co. warrants new tanks or equipment manufactured by us to be free from defects in material and workmanship under normal use and service for a period of 1 year after shipment from the factory.

For breach of warranty of any kind, the measure of damages to be recoverable from Walker Stainless Equipment Co. shall be limited to repair or replacement of the part or equipment which examination discloses to be the satisfaction of seller to be defective, or the payment of the price or making such repair or replacement, at the option of the seller.

This warranty is expressly in lieu of all other warranties, expressed or implied, and all other obligations and liabilities on our part. Any warranty of merchantability is expressly excluded. We neither assume nor authorize any other persons to assume for us any liability in connection with the sale of our products, and no other warranty will be honored unless in writing and signed by an officer of the corporation. This warranty shall not apply to any product of our manufacture which has been repaired or altered outside our factory, or which in our opinion, has been subject to misuse, negligence or accident. Seller will not assume any charges for liability or responsibility for transportation to and from repair point, nor any loss of time due to repair. This warranty does not cover components of other manufacturers beyond such warranty as is made by such manufacturer.

Any action for breach of warranty shall be commenced within one (1) year of said breach or be forever barred.

All information including design details and dimensions contained herein are confidential and proprietary and must not be reproduced, disclosed to others, or used in the production of parts shown, unless authorized in writing by Walker Stainless Equipment Company.

**NOTES:**

- Dimensions, unless otherwise indicated are nominal and standard shop tolerances are to be expected. Measurements for any field attachments should be verified on site by others before fabrication of the attachments.
- If used in contact with materials containing salt, chlorides or other corrosive materials, the corrosion resistance of this equipment is not the responsibility of Walker Stainless Equipment Company.

**NAT'L BD.**

CERTIFIED BY  
WALKER STAINLESS EQUIPMENT COMPANY, INC.

VESSEL: 5 PSIG MAWP AT 100°F  
MIN DESIGN METAL TEMP: -20°F AT 5 PSIG  
JACKET: 120 PSIG MAWP AT 100°F  
MIN DESIGN METAL TEMP: -20°F AT 120 PSIG

SERIAL NO. SPG-37272 DATE: 02/12/03  
CAPACITY: 250 GAL. MATL: 304 S.S.  
MODEL: PZ-CB DWG: SPG-37272-1-D

**WALKER** A CARLISLE COMPANY

| LABEL SCHEDULE |          |                |
|----------------|----------|----------------|
| ITEM           | PART #   | DESCRIPTION    |
| L1             | ---      | STD. NAME TAG  |
| L2             | ---      | WALKER DECAL   |
| L18            | GF991-18 | AIR OUT TANK   |
| L27            | H0991-27 | HOT SURFACES   |
| L29            | RP991-29 | ROTATING PARTS |

**STANDARD INFORMATION:**

ASME: YES PER SECTION VIII DIVISION 1 - 2001 - ADDENDUM '02

DESIGN PRESSURE & TEMP.: VESSEL: 5 PSIG AT 100°F, -20°F. - ASME-NB CODE STAMPED  
JACKET: 120 PSIG AT 100°F, -20°F. - ASME-NB CODE STAMPED

HYDRO TEST AT AMBIENT: VESSEL: 7.5 PSIG  
JACKET: 250 PSIG

CORROSION ALLOWANCE: NONE

PASSIVATION REQ'D: NO

SHOP TOLERANCE: ±1/8", ±2" FOR LOCATION, & ±1/2" FOR LEVELNESS

RADIOGRAPH: NO

N.D.E. LIQUID PENETRANT LEAK TEST OF ALL VESSEL WELDS IN PRODUCT CONTACT AREAS

P.W.H.T.: NO

TANK CONTENTS:

SP. GR.: 1.0

APPROX. EMPTY WEIGHT: 1600 LBS.

FINISH: INTERIOR SURFACES - 2B MILL FINISH - GLASS BEAD BLASTED  
WELDS - F-5 (GROUND & POLISHED - 150 GRIT ALUMINUM OXIDE)  
EXTERIOR SURFACES - 2B MILL FINISH  
WELDS - F-4 (GROUND & POLISHED - 120 GRIT ALUMINUM OXIDE)  
\* WELDS - F-3 (STRIPE BUFFED) ON MOTOR MOUNT, ESCUTCHEONS  
\* DENOTES THE WELD FINISH FOR THE AREAS MARKED WITH AN ASTERISK

CRATING INSTRUCTIONS: #4 FRAME CRATE SKID

REFERENCE DRAWINGS: SPG-37272-2-D SHELL & COLDWALL SPG-37373-3-D AGITATOR  
SPG-37272-4-D WELD DETAILS PG-37272-5-D AGITATOR PARTS

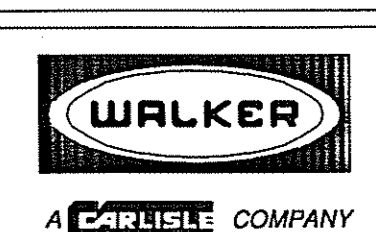
CERTIFIED AS BUILT  
R. DEASY 3/28/03

NO. REQ'D. 1 SERIAL NO. SPG-37272

SPG-37272-RED

APPROVED FOR CONSTRUCTION  
BY \_\_\_\_\_ DATE \_\_\_\_\_

**A.S.M.E.**



WALKER STAINLESS EQUIPMENT CO., INC.

|   |                                 |                    |
|---|---------------------------------|--------------------|
| SCALE: 1/8"=1"                                    | APPROVED BY: R.D. 02/13/03      | DRAWN BY: D.FOSTER |
| DATE: 1/7/03                                      | CHECKED BY:                     | REVISED: 1         |
| 250 GALLON CRUDE CAFFEINE CRYSTALLIZER - 304 S.S. |                                 |                    |
| JOB: FOLGER COFFEE, SHERMAN, TX.                  | DRAWING NUMBER: SPG-37272-1-D-1 |                    |

| REV.     | DATE | ISSUE | REVISION DESCRIPTION  | APP'D. BY |
|----------|------|-------|---|-----------|
| 02/12/03 |      |       | #23 GEAR MOTOR WAS 2-SPEED, ADDED AGITATOR AND SHAFT SEAL, DETAIL ADDED "F1" & "F2" RADII FOR REFERENCE ONLY, RE-ORIENTED PLAN VIEW DEGREES & ADDED "24" RUBBER DUST SHIELD |           |

**SPECIAL NOTES:**

- ALL WELDS TO BE CONTINUOUS & FULL PENETRATION UNLESS SHOWN OTHERWISE.
- EXPOSED INSIDE EDGES OF NOZZLES OR MANHOLES SHALL BE SMOOTH & CORNERS SHALL BE CHAMFERED OR ROUNDED.
- IT IS THE RESPONSIBILITY OF THE USER TO INSURE THAT THE VESSEL IS ADEQUATELY VENTED TO PREVENT PRESSURE AND / OR VACUUM BUILDUP EXCEEDING DESIGN CONDITIONS.
- 1/4" DIA. WEEP HOLE IN ALL SECTIONS OF REINFORCING COLLARS.
- UNLESS OTHERWISE NOTED ON DRAWING, NOTIFY ENGINEERING IF A NOZZLE 3" PIPE SIZE OR SMALLER CROSSED OR IS WITHIN 1/2" OF A WELD SEAM.