

ITEM 1.02
Qty. 2

RT FILTER, MODEL 72RT32, STYLE III

COMPLETE WITH:

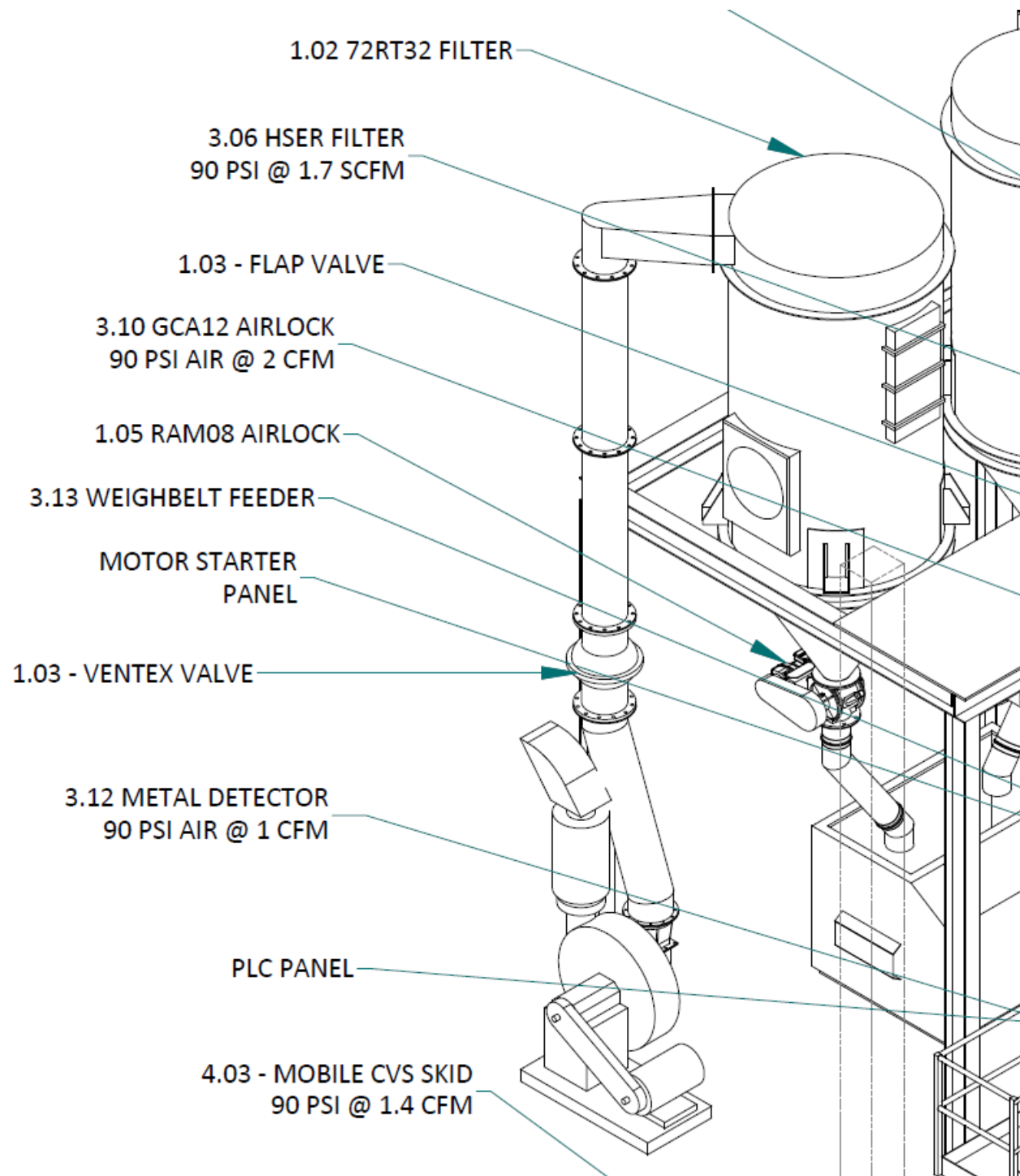
- 299.5 Sq. ft. of media with an air to media ratio of 6.7:1 @ 2000 CFM
- Filter stressed for 17" Hg Vacuum
- Carbon steel construction, all product contact parts
- Carbon steel clean air plenum
- Exterior welds continuous where possible and cleaned free of weld slag and splatter
- Food grade epoxy coated product contact areas
 - Product contact welds are continuous, ground smooth, free of cracks and crevices to CG80 grit finish
- Hinged top door assemblies
- 3/4" Diaphragm Valves with 4" diameter compressed gas header
- NCC Timer and Goyen solenoid valves mounted and prewired in a NEMA 4X Polycarbonate enclosure
- Timer and accessory voltage 24VDC
- Timer enclosure airlines to diaphragm valves, Polyflo tubing
- Radial inlet, mounted in hopper
- 8" O.D. stub inlet
- 10" O.D. flanged exhaust, std. exhaust flange(mates weather hood or dump valve, if supplied)
- Less 4x4 grate
- 60 degree hopper
- Product discharge flanged to mate RAM-08 airlock
- Differential pressure Magnehelic Gauge kit, 20 degrees F to 140 degrees F
- High level indicator, Bindicator VRF-II probe style, with exterior lights
- Filter housing flange gasketing to be Food Grade white neoprene
- Mount pads - standard
- Filter requires 6.5 SCFM of 90-100 PSIG clean dry air, to be supplied by customer
- (32) 6" dia. X 72" long 16 oz. Polyester top load snap band bags
- (32) galvanized carbon steel bag cages
- Header with Canadian Registration Number(CRN)
- Filter Location: Outdoors
- Paint: D8700 Urethane, RAL9003 Signal White
- Schenck Process Serial Number Assembly
- Laser etched anodized aluminum serial number plate
- Special carbon steel support structure to clear a rollback dumpster. Estimated clearance of 11'W x 11'L x 8' clearance from bottom of RAM-08 airlock. Cross bracing, ladder, platform, guardrails, safety gate.
- Mounting flange for 24" x 36" rupture panel
- One Each - CV Technology 24" x 36" TLFG rupture panels on the sidewall of the collector

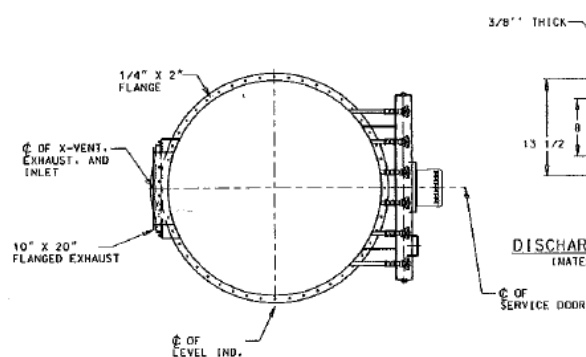




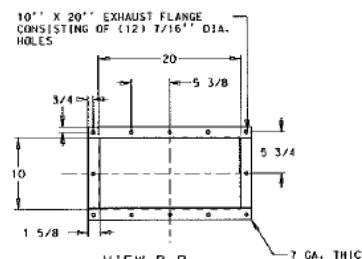




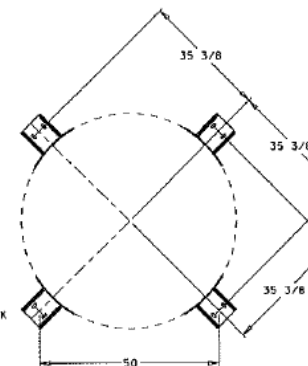




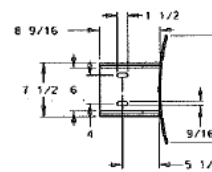
VIEW A-A
DISCHARGE FLANGE DETAIL
(MATES TO RAMBO AIRLOCK)



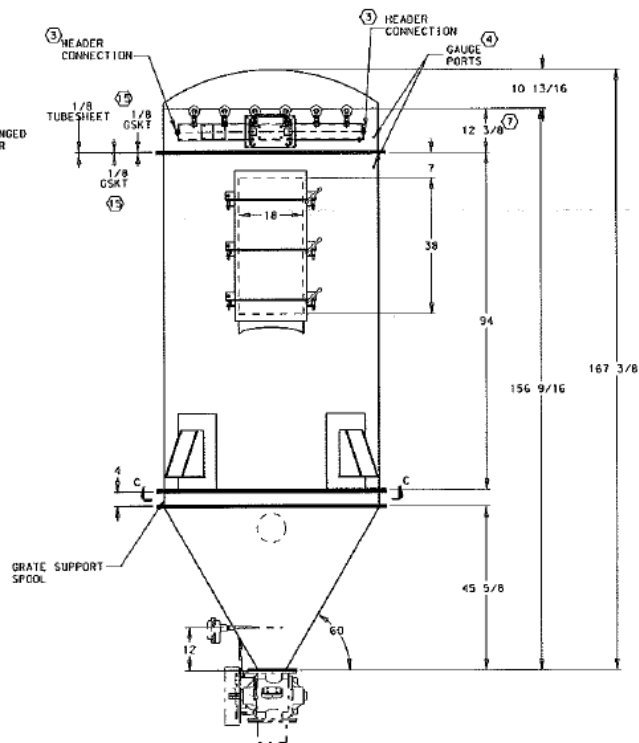
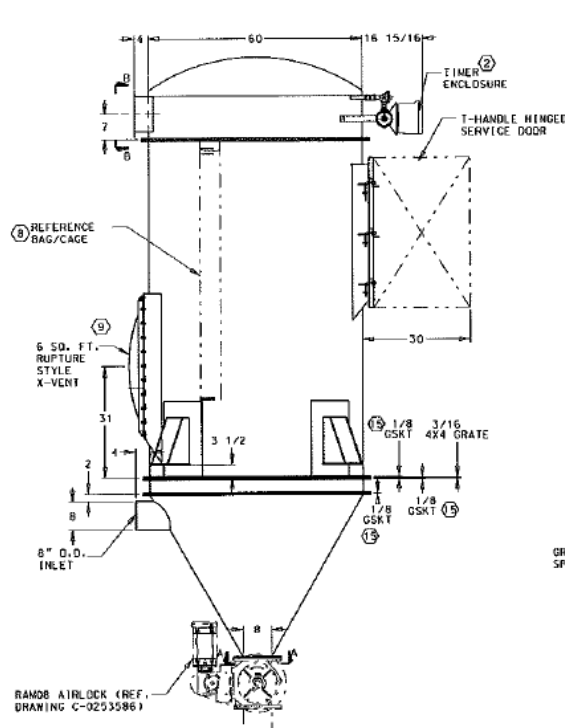
VIEW B-B
EXHAUST FLANGE DETAIL



VIEW C-C
MOUNT PAD LAYOUT



MOUNT PAD DETAIL



ANODIZED ALUMINUM S/N PLATE

MODEL: 72AVR32 FILTER
S/N: 1100101957-801-1
P/N: 7502110169
FLOW ITEM #: 1.02

MODEL: 72AVR32 FILTER
S/N: 1100101957-801-2
P/N: 7502110169
FLOW ITEM #: 1.02

REVISIONS			
DATE	BY	DESCRIPTION	DATE
09/04/20	JEL	RELEASED FOR CUSTOMER APPROVAL	

EXPLOSION VENT APPLICATION

Vent sizing and location are per the NFPA 68 Standard (2018 edition) sized by third party vendor.

The values that were used are:
 Kst = 125 bar-m/s
 Pmax = 7.5 bar
 Vent area req'd = 0.465 sq ft
 DUCT LENGTH USED FOR CALCULATION = 0 INCHES

Notes:
 Pmax = 0.1 bar
 Pmax = 0.2 bar
 0.2-6 sq ft vent provided

Schenck Process supports this filter to be outdoors and therefore a 0.2 inch duct was entered for the calculations. If this is incorrect, provide the requested length of duct.

- NOTES:
- ALL DIMENSIONS ARE IN INCHES.
 - NEMA 4X POLYCARBONATE TIMER ENCLOSURE. TIMER CONTROL PANEL REQUIRES 24 VDC. POWER SUPPLY.
 - 3/4" NPT FOR HEADER SUPPLY AIR. 90-100 PSI OF CLEAN, DRY AIR REQUIRED AT 6.5 SCFM.
 - (2) 1/8" NPT CONNECTIONS MUST HAVE PIPE PLUGS IF DIFFERENTIAL PRESSURE GAUGE IS NOT USED. FILTER INCLUDES A MAGNETIC DIFFERENTIAL PRESSURE GAUGE AND KIT SHIPPED LOOSE FOR FIELD INSTALLATION.
 - FILTER IS CONSTRUCTED OF CARBON STEEL AND STRESSED FOR 17" HG.
 - LIFTING LUGS PROVIDED BUT NOT SHOWN.
 - DIMENSION INCLUDES TUBESHEET THICKNESS.
 - FILTER INCLUDES (32) 16 OZ. SINGED POLYESTER DACKRON BAGS AND GALVANIZED CAGES PROVIDING 291 SQ. FT. OF CLOTH WITH AN AIR TO CLOTH RATIO OF 6.9:1 @ 2000 CFM.
 - CV TECH. 6 NOMINAL SQ. FT RUPTURE STYLE EXPLOSION VENT LOCATED TO MEET NFPA 68 2018 BASED ON Kst = 125 bar-m/s & Pmax = 7.5 bar.
 - HEADER IS DESIGNED AND BUILT PER CRN. (STAMPED WITH CRN#)
- FINISH NOTES:
- INTERIOR PRODUCT CONTACT COATING: B62W201 PURE WHITE HI-SOLIDS CATALYZED EPOXY. INTERIOR WELDS TO BE CONTINUOUS. GROUND SMOOTH, FREE OF CRACKS AND CREVICES TO AN 80 GRIT FINISH. SURFACE PREPARATION: SSPC-SP6 (COMMERCIAL SANDBLAST).
 - EXTERIOR WELDS CONTINUOUS WHERE POSSIBLE AND CLEANED FREE OF WELD SLAG AND SPLATTER.
 - INTERIOR PRODUCT CONTACT WELDS ARE CONTINUOUS. GROUND SMOOTH, FREE OF CRACKS AND CREVICES TO 600 GRIT FINISH.
 - EXTERIOR SHERWIN WILLIAMS POLANE D8700 DTM URETHANE PAINT (RAL9003 SIGNAL WHITE). SURFACE PREPARATION: SSPC-SP1 AND SSPC-SP2.
- SHIPPING NOTES:
- FLANGE GASKETS TO BE WHITE FOOD GRADE WHITE NEOPRENE.
 - COVER ALL OPENINGS PRIOR TO SHIPMENT.

APPROVAL REQUIRED

- ☒ APPROVED AS IS
☐ APPROVED WITH CHANGES
☐ RE SUBMIT DRAWINGS FOR APPROVAL

THIS JOB IS ON HOLD UNTIL SCHENCK PROCESS RECEIVES ONE SIGNED COPY OF EACH APPROVAL PRINT.

CUSTOMER SIGNATURE: _____

schlenckprocess

72AVR32 STYLE III FILTER FOR MAPLE LEAF FOODS

DATE: 1/16/21 BY: JEL

1100101957-C-0257389

3-01-000 1100101957