ROTARY AIR LOCK FEEDER

SPEC FOR: [X] INQUIRY, SH 1 OF 5, NO. 6014-02D1-V222-01 (DATE)
[ ] QUOTATION, SH 1 OF 2, NO.
[ ] PURCHASE, SH 1 OF 2

A E I M S

1 W.O. NO. (RY-301A/B/C)

SPECIFICATION NUMBER					
AFE (1–8)	INV (9–11)	CL (12–13)	(14)	ITEM (15–23)	
		34		5034	

QUANTITY 3 UNIT(S)

USED WITH 30-5138, 30-5139, 30-5140

1 [X] THIS SPECIFICATION INCLUDES ITEM NOS. 34-5035, 34-5036

[ ] SPECIFICATION NUMBERS ON ATTACHED LIST.

TR (24–26)	TC (26–27)	PURCHASE ORDER NO. (28–35)
20	22	

PURCHASE DATE (MO 36–37, DA 38–39, YR 40–41)	VENDOR NUMBER (42–47)	MANUFACTURER'S NAME (48–63)	PLANT NAME (64–71)	CODE (72–75)

INSTRUCTIONS TO BIDDER

1. COMPLETE ITEMS 41 THRU 63 ON THIS INQUIRY. RETURN THIS INQUIRY PLUS 3 COPIES. INCLUDE 3 SETS OF INFORMATION AND CATALOG DRAWINGS THAT ADEQUATELY DESCRIBE THE BID ITEMS, AND SPECIFICALLY INCLUDE THE FOLLOWING:
   A. CATALOG PERFORMANCE DATA.
   B. WEAR PARTS LIST WITH SUPPLY LOCATIONS AND DELIVERY TIME.
2. SHOW SPEC NO. ON ALL ENGINEERING DOCUMENTS AND CORRESPONDENCE.
3. CHECK THE BOX OPPOSITE QUOTATION AND ENTER YOUR QUOTATION NUMBER. THIS COMPLETED INQUIRY IS YOUR QUOTATION TO THE PURCHASER. THE COMPLETED INQUIRY WILL BE ISSUED AS A PURCHASE SPEC WITH THE PURCHASE ORDER TO THE SUCCESSFUL BIDDER.
4. IN ADDITION TO BIDDING THE MATERIAL SPECIFIED, BIDDER MAY PROPOSE EQUALLY SUITABLE, BUT LESS COSTLY MATERIALS AS AN ALTERNATE. IF SO, THEN NOTE THIS UNDER ITEM 63.

INSTRUCTIONS TO VENDOR

5. STENCIL SPEC NO. AND PURCHASE ORDER NO. ON PACKING CASE OR, IF PACKING CASE IS NOT USED, ON PLASTIC OR METAL TEMPORARY TAG WIRED CONSPICUOUSLY TO EQUIPMENT.
6. AN AUSTENITIC STAINLESS STEEL NAMEPLATE OF MANUFACTURER'S STANDARD SHALL BE ATTACHED PERMANENTLY TO THE FEEDER BODY AND STAMPED TO INCLUDE THE SPEC NO., DIFFERENTIAL IN PSIG AND DISPLACEMENT IN CFR.
7. IF CHANGES OCCUR, ADVISE PURCHASING, IN TRIPLICATE, OF ANY CHANGES IN PRICE OR DELIVERY RESULTING FROM SUCH CHANGES.

PERFORMANCE DATA

8. MATERIAL HANDLED POLYPROPYLENE PELLETS, LOOSE BULK DENSITY 31.2 LBS/CF
9. FEEDER CAPACITY REQUIRED 60,000 (LBS/HR) ~~(CFM)~~, PARTICLE SIZE DIA. 0.126~0.177" THICK 0.0787~0.118"
10. FLOW AND SPECIAL CHARACTERISTICS FREE FLOWING
11. PRODUCT TEMP. 140~176 F, AMBIENT TEMP. 65-75 F
12. OPERATING PRESSURES: INLET ATM PSIG, DISCHARGE * PSIG
13. GAS SEALED AGAINST: (AIR) ~~(GAS,~~).
14. FEEDER RECEIVES MATERIAL FROM: PELLET SERVICE HOPPER VENT CHAMBER
15. SHOP TEST (YES) ~~(NO)~~.

MECHANICAL DESIGN

16. ROTOR, 8 MIN. POCKETS, ROTATION DIRECTION (CLOCKWISE) (C-CLOCKWISE) FROM SHAFT END, ROTOR TIPS (STANDARD) ~~(BEVELED)~~ (FIXED) ~~(ADJUSTABLE)~~ ~~(OPEN END)~~ (CLOSED END).
17. ROTOR SHAFT, HEAVY DUTY DESIGNED FOR ~~14~~ 50 PSI ΔP MINIMUM ~~(WITH)~~ (WITHOUT) SHAFT EXTENSION FOR MOTION SWITCH.
18. BEARINGS, OUTBOARD BALL BEARINGS, CARTRIDGE TYPE, SELF-ALIGNING (LUBRICATED AND SEALED FOR LIFE WITH LITHIUM BASE GREASE) ~~(WITH LUBE CONNECTION FITTING)~~.
19. SEALS, ADJUSTABLE [NON-LUBRICATED, (PURGED) ~~(NON-PURGED)~~ TEFLON OR EQUIVALENT] ~~[PACKING GLAND WITH 2 ROWS PACKING, LANTERN RING, 2 ROWS PACKING, WITH LUBE TO LANTERN RING]~~. DOUBLE LIP SEALS
20. FEEDER TYPE: (DROP-THROUGH) ~~(OFFSET ENTRY)~~ ~~(BLOW THROUGH)~~, VENTED (YES) ~~(NO)~~.
21. 1 DRIVE, ~~(SINGLE)~~ ~~(TWO)~~ (VARIABLE) SPEED. (MECHANICAL) ~~(SCR)~~ VARIABLE SPEED CONTROL. (MANUAL) ~~(AUTOMATIC)~~ DRIVE CONTROL. (SEE 172-11-4C C)
22. DRIVE CHAIN, ROLLER TYPE (STEEL) ~~(BRONZE)~~. CHAIN GUARD (MANUFACTURERS STANDARD) ~~(EXPLOSION PROOF OIL BATH)~~. DRIVE MOTOR MOUNTING BRACKET TO BE SLOTTED FOR CHAIN ADJUSTMENT.
23. GASKETS WHITE TEFLON

MOTION SWITCH

24. REQUIRED ~~(YES)~~ (NO), ~~(SHAFT MOUNTED)~~ ~~(BELT DRIVEN)~~ ~~(CHAIN DRIVEN)~~.
25. ENCLOSURE: (MANUFACTURER'S STANDARD) ~~(EXPLOSION PROOF)~~.
26. ~~CONTACTS RATED AT 5 AMP, 120 VOLT, 60 HZ, MINIMUM (SPST) (DPDT).~~

* BY VENDOR

41. VENDOR BUSS AMERICA
42. MFR WAESCHLE
43. MODEL, SIZE AND FIGURE NO. ZGH-420
44. TYPE DROP THROUGH
45. SIZE: INLET 14"Ø X — DIAMETER, DISCHARGE 14"Ø X — DIAMETER
46. DISPLACEMENT 2.36 CFR.
47. SPEED 18 RPM. 48. EFFICIENCY 75 PERCENT
49. LEAKAGE AT OPERATING CONDITIONS 300 MAX. SCFM. R2
50. FEEDER MATERIALS AND DESIGN:
    BODY HARD COAT ALUMINUM,
    END PLATES ALUMINUM,
    ROTOR 321 STAINLESS STEEL,
    ROTOR TIPS 321 STAINLESS STEEL,
    TIP CLEARANCE ,
    ROTOR SHAFT 321 STAINLESS STEEL,
    BEARINGS OUTBOARD MOUNTED BALL BEARINGS,
    SEALS SPRING LOADED AT ROTOR CIRCUMFERENCE,
    ROTATION, DIRECTION CW R2
51. DRIVE MOTOR: MAKE SEW ~~(DIRECT DRIVE)~~ (PARALLEL). R2
    MODEL R73D25DT100LS4-KS, SPEED: OUTPUT 1800 MAX RPM R2
    SPEED CONTROLLER: MAKE AND MODEL SEW VARIMOT, HORSEPOWER 3 R2
    CLASS , GROUP , DIVISION
52. MATERIALS: MOUNTING BRACKET GALVANIZED STEEL,
    DRIVE CHAIN STEEL, CHAIN GUARD ALUMINUM, R2
    NUTS, BOLTS AND RELATED FASTENERS SS, R2
    GASKETS WHITE TEFLON R2
53. MOTION SWITCH: MAKE AND MODEL NOT REQUIRED
    , DRIVE METHOD ,
    ENCLOSURE ,
    CONTACTS ,
    DRIVE GUARD MATERIAL

DELIVERY (AFTER COMMITMENT)

54. EQUIPMENT AS SPECIFIED WEEKS.

55. VENDOR'S DOCUMENTS
    A. VENDOR SHALL MARK APPLICABLE PURCHASE ORDER NUMBER, EQUIPMENT SPECIFICATION NUMBER, AND DOCUMENT CODE ON DOCUMENTS.
    B. DO NOT DUPLICATE DOCUMENTS FOR IDENTICAL EQUIPMENT ON THE SAME PURCHASE ORDER.
    C. IF NORMAL METHOD OF FURNISHING DOCUMENTS COMBINES TWO OR MORE OF THE REQUIRED DOCUMENT DESCRIPTIONS, VENDOR SHALL FURNISH THE MAXIMUM QUANTITY REQUIRED FOR ANY ONE DESCRIPTION IN THE COMBINATION.
    D. A TRANSPARENCY MAY BE FURNISHED IN LIEU OF THE QUANTITY OF CERTIFIED DOCUMENTS REQUIRED. TRANSPARENCY ON APPROVAL DOCUMENTS NOT ACCEPTABLE.
    E. MAIL DOCUMENTS TO:

SEE VDR

CONTINUED ON PAGE 2

PREPARED GG DATE 25MAY93 PROCESS APPD J.B. DATE INQUIRY APPD TDM DATE PURCH APPD DATE 22

36 CHECKED BY DATE 25JUL94 REV 1 APPD J.B. DATE 25 Jul 94 REV 2 APPD MA/J.B BY DATE DEC95 REV 3 APPD DATE

ROTARY AIR LOCK FEEDER

SPEC FOR: [X] INQUIRY, SH 2 OF 5, NO. 6014-0201-V222-01 (DATE)
[ ] QUOTATION, SH 2 OF 2, NO.
[ ] PURCHASE, SH 2 OF 2, P O NO.

1 SPEC NO. 34-5034/5035/5036

DRIVER
27. MOTOR: (~~GEAR TYPE~~)(~~RIGHT ANGLE~~)(PARALLEL)(~~DCSCR~~), (~~110/220 V 1 ϕ 60 Hz~~)(~~230~~/460 V 3 ϕ 60 Hz),
SERVICE FACTOR 1.15, CLASS UNCLASSIFIED,
GROUP, DIVISION
28. MOTOR SPECIFICATION FORM NO. 4051-S ATTACHED.

MATERIALS
29.

CODE	MATERIAL
AL	ALUMINUM (SPECIFY CAST OR SHEET)
SS	STAINLESS STEEL
S	STEEL (SPECIFY CAST OR SHEET)
CP	CHROME PLATED STEEL
B	BRONZE
G	GALVANIZED STEEL
P	PAINTED STEEL
ZE	ZINC ELECTROPLATED
X	SPECIFY

1 SELECTION
30. BODY 304 S.S. OR AL (CAST)
31. END PLATES 304 S.S. OR AL (CAST)
32. ROTOR 304 OR 321 S.S., ROTOR TIPS S.S.
33. ROTOR SHAFT 304 OR 321 S.S.
34. DRIVE MOTOR MOUNTING BRACKET G
35. DRIVE CHAIN S
36. CHAIN GUARD AL OR G
37. BELT GUARD —
38. NUTS, BOLTS AND RELATED FASTENERS S.S.

39. FOR ENGINEERING DETAILS CONTACT: G. GUZON (713) 753-2418

40. OTHER INFORMATION:
a) APPLICABLE SPECIFICATION V22-2E-6014 PNEUMATIC CONVEYING
1 b) TESTING SHALL BE PER SPEC. V22-2E-6014 PAR. 4.2.2.H
c) THIS VALVE IS DESIGNED AS A SINGLE SPEED UNIT. MECHANICAL VARI-SPEED DRIVE IS ONLY FOR FINE TUNNING OF THE VALVE RPM @ THE START-UP AND MAKE-UP OF ROTOR EFFICIENCY.

TB 24 25	TC 31 32
50	62

VENDOR TO COMPLETE AS PART OF BID: Show number of calendar days * vendor requires for delivery of documents after commitment.

DOC-CODE 26 27	CR 33	DOCUMENT DESCRIPTION	APPROVAL QTY 34 35	APPROVAL DAYS * 36 38	CERTIFIED QTY 39 40	CERTIFIED DAYS * 41 43
01		DIMENSIONAL DRAWINGS: INCLUDE COMPLETE SET OF DETAILS.	3			
02		INSTALLATION, OPERATION AND MAINTENANCE INSTRUCTIONS				
03		PARTS LIST: DESCRIPTION, PARTS NUMBERS, MATERIALS OF CONSTRUCTION AND QUANTITIES.	3			
04		CROSS SECTIONAL DRAWINGS: WITH REFERENCE NUMBERS TO PARTS LISTS.	3			
06		RECOMMENDED SPARE PARTS: INCLUDE PRICES, POINTS OF SUPPLY AND DELIVERY.				
37		RECOMMENDED LUBRICATION: TYPE, LUBRICATION POINTS AND FREQUENCY.				

THE DOCUMENTS DESCRIBED ABOVE ARE PART OF THE PURCHASE AND MUST BE FURNISHED BEFORE RENDERING FINAL INVOICE.

REMARKS:

56. NET WEIGHT EACH, WITH DRIVER LBS.
57. POINT OF ORIGIN

PRICE FOB ORIGIN
58. COMPLETE UNIT, INCLUDING DRIVER, EACH ..... $
59. EXTRA FOR: $
$
60. TRANSPORTATION CHARGE TO DESTINATION, EACH ..... $
61. TOTAL PRICE ..... $
62. INVOICE TERMS

63. EXCEPTIONS SHOULD BE NOTED BELOW OR ATTACHED:

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