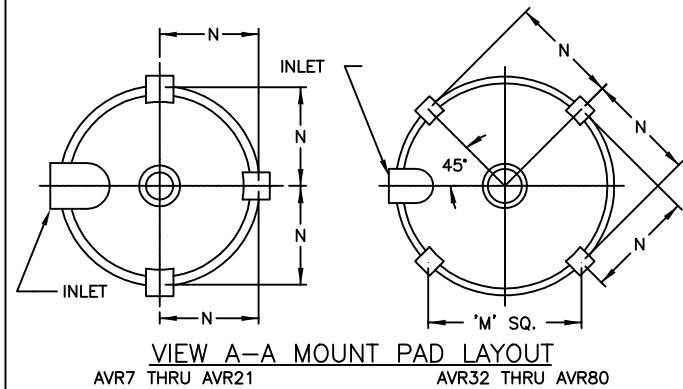
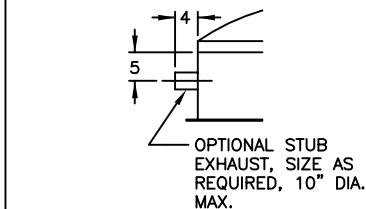


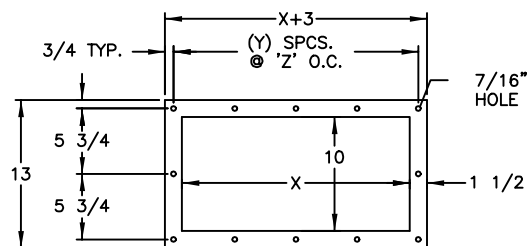
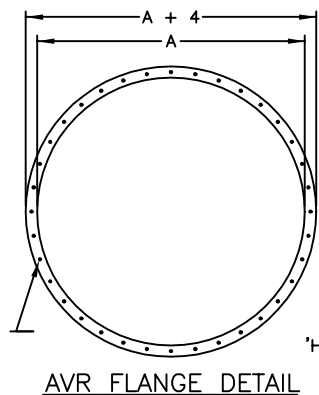


| AVR | 7      | 14  | 21     | 32      | 39     | 52     | 62      | 80     |
|-----|--------|-----|--------|---------|--------|--------|---------|--------|
| N   | 15 7/8 | 22  | 25 1/2 | 32 1/16 | 35 1/8 | 38 1/8 | 44 1/8  | 48 5/8 |
| M   | ---    | --- | ---    | 45 3/8  | 49 5/8 | 53 7/8 | 62 7/16 | 68 3/4 |



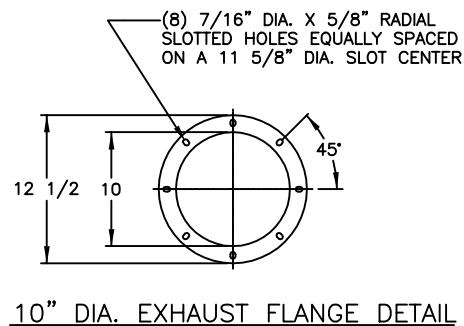
| AVR | A  | CC | DD |
|-----|----|----|----|
| 7   | 28 | 30 | 16 |
| 14  | 40 | 42 | 24 |
| 21  | 47 | 49 | 36 |
| 32  | 60 | 62 | 48 |
| 39  | 66 | 68 | 48 |
| 52  | 72 | 74 | 48 |
| 62  | 84 | 86 | 48 |
| 80  | 93 | 95 | 48 |

(DD) 7/16" DIA. HOLES EQUALLY SPACED ON 'CC' B.C.

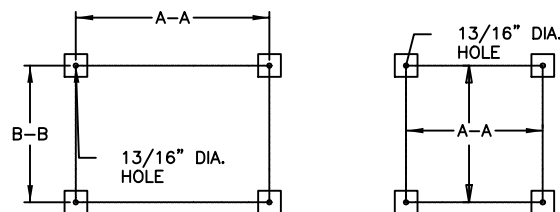
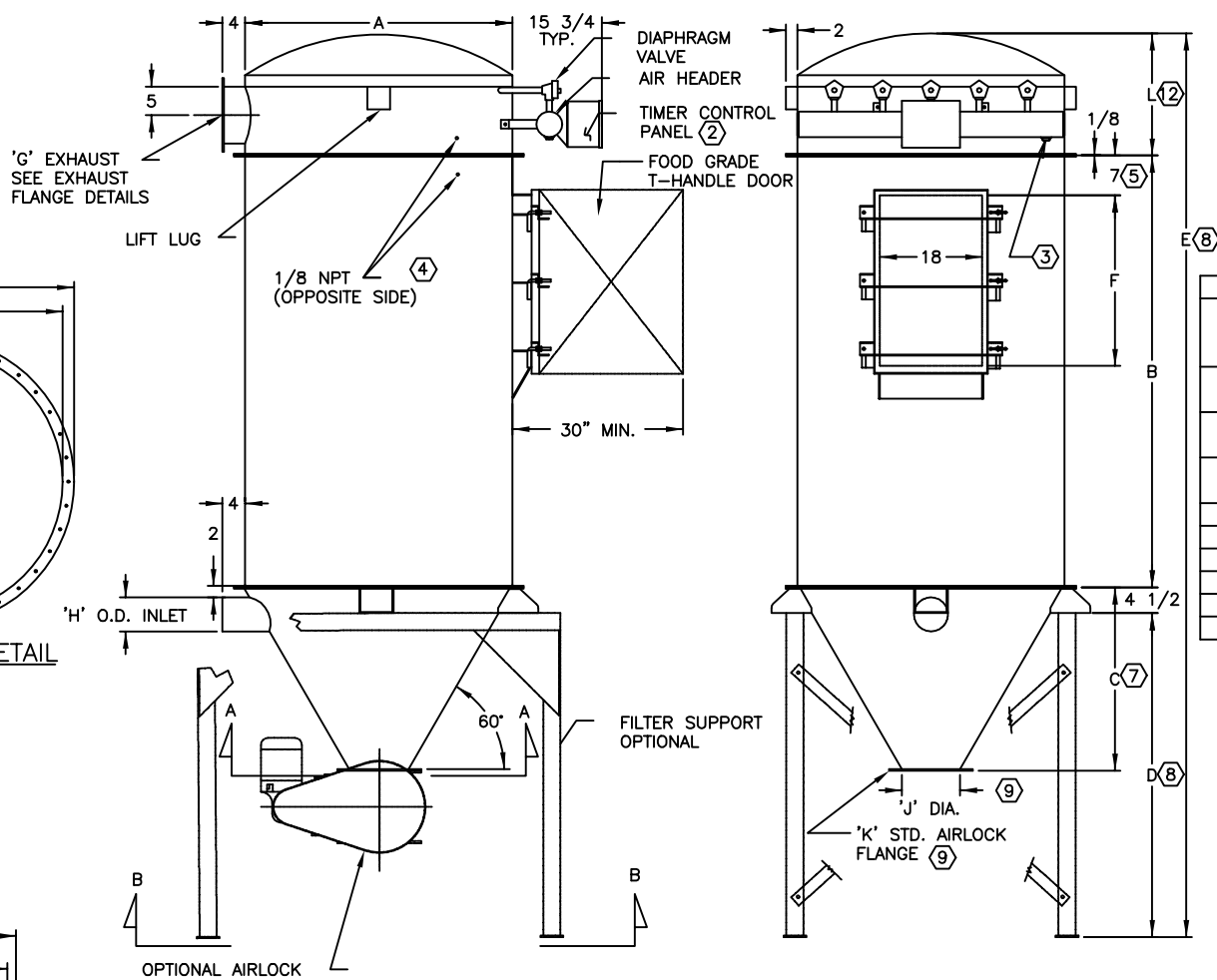


RECTANGULAR EXHAUST FLANGE DETAIL

| SIZE | 10X20 | 10X30 | 10X45   |
|------|-------|-------|---------|
| X    | 20    | 30    | 45      |
| Y    | 4     | 6     | 8       |
| Z    | 5 3/8 | 5 1/4 | 5 13/16 |



10" DIA. EXHAUST FLANGE DETAIL



VIEW B-B LEG PAD LAYOUT  
AVR7 THRU AVR21      AVR32 THRU AVR80

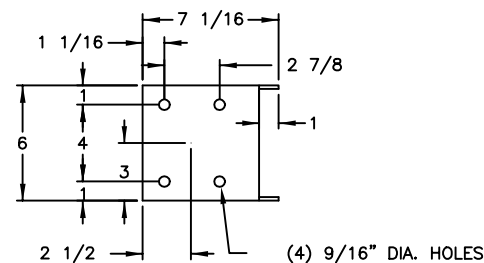
| AVR | 7      | 14     | 21     | 32     | 39      | 52      | 62       | 80      |
|-----|--------|--------|--------|--------|---------|---------|----------|---------|
| A-A | 49     | 53     | 63 7/8 | 45 7/8 | 50 3/16 | 54 7/16 | 62 15/16 | 69 5/16 |
| B-B | 29 3/8 | 41 5/8 | 47 7/8 | ---    | ---     | ---     | ---      | ---     |

| MODEL   | CLOTH AREA | NO. OF BAGS | A  | B   | C       | D      | E         | F  | G       | H             | J  | K     | L        | MAX. A/L | SCFM | WEIGHT LBS. |
|---------|------------|-------------|----|-----|---------|--------|-----------|----|---------|---------------|----|-------|----------|----------|------|-------------|
| 18AVR7  | 13         | 7           | 28 | 28  | 17 9/16 | 40 3/4 | 90 3/8    | 20 | 10" DIA | SIZED PER JOB | 8  | MD20  | 17 1/8   | MD40     | 3.3  | 520         |
| 36AVR7  | 30         |             |    | 40  |         |        | 102 3/8   | 22 |         |               |    |       |          |          |      | 670         |
| 54AVR7  | 46         |             |    | 58  |         |        | 120 3/8   | 30 |         |               |    |       |          |          |      | 760         |
| 72AVR7  | 63         |             |    | 76  |         |        | 138 3/8   | 38 |         |               |    |       |          |          |      | 850         |
| 18AVR14 | 27         | 14          | 40 | 28  | 26 1/4  | 51     | 104       | 20 | 10" DIA | SIZED PER JOB | 10 | MD40  | 20 1/2   | MD40     | 4.7  | 780         |
| 36AVR14 | 60         |             |    | 40  |         |        | 116       | 22 |         |               |    |       |          |          |      | 940         |
| 54AVR14 | 93         |             |    | 58  |         |        | 134       | 30 |         |               |    |       |          |          |      | 1080        |
| 72AVR14 | 127        |             |    | 76  |         |        | 152       | 38 |         |               |    |       |          |          |      | 1210        |
| 96AVR14 | 172        | 21          | 47 | 100 | 32 5/16 | 57     | 176       | 48 | 10X20   | SIZED PER JOB | 10 | MD40  | 21 5/16  | MD40     | 5.4  | 1370        |
| 36AVR21 | 90         |             |    | 40  |         |        | 122 13/16 | 22 |         |               |    |       |          |          |      | 1310        |
| 54AVR21 | 140        |             |    | 58  |         |        | 140 13/16 | 30 |         |               |    |       |          |          |      | 1560        |
| 72AVR21 | 191        |             |    | 76  |         |        | 158 13/16 | 38 |         |               |    |       |          |          |      | 1720        |
| 96AVR21 | 258        | 32          | 60 | 100 | 43 9/16 | 68 1/4 | 182 13/16 | 48 | 10X20   | SIZED PER JOB | 10 | MD40  | 22 15/16 | MD40     | 6.5  | 1970        |
| 54AVR32 | 214        |             |    | 58  |         |        | 153 11/16 | 30 |         |               |    |       |          |          |      | 2100        |
| 72AVR32 | 291        |             |    | 76  |         |        | 171 11/16 | 38 |         |               |    |       |          |          |      | 2360        |
| 96AVR32 | 393        |             |    | 100 |         |        | 195 11/16 | 48 |         |               |    |       |          |          |      | 2700        |
| 54AVR39 | 261        | 39          | 66 | 58  | 48 3/4  | 73 1/2 | 159 13/16 | 30 | 10X30   | SIZED PER JOB | 10 | MD40  | 23 13/16 | MD40     | 7.5  | 2740        |
| 72AVR39 | 354        |             |    | 76  |         |        | 177 13/16 | 38 |         |               |    |       |          |          |      | 3150        |
| 96AVR39 | 479        |             |    | 100 |         |        | 201 13/16 | 48 |         |               |    |       |          |          |      | 3440        |
| 72AVR52 | 473        | 52          | 72 | 76  | 54      | 78 5/8 | 183 11/16 | 38 | 10X30   | SIZED PER JOB | 10 | MD40  | 24 9/16  | MD40     | 9.1  | 3370        |
| 96AVR52 | 639        |             |    | 100 |         |        | 207 11/16 | 48 |         |               |    |       |          |          |      | 3780        |
| 72AVR62 | 564        | 62          | 84 | 76  | 62 5/8  | 89 1/4 | 195 15/16 | 38 | 10X45   | SIZED PER JOB | 12 | MD75  | 26 3/16  | MD139    | 10.6 | 4015        |
| 96AVR62 | 761        |             |    | 100 |         |        | 219 15/16 | 48 |         |               |    |       |          |          |      | 4510        |
| 72AVR80 | 728        | 80          | 93 | 76  | 67      | 97     | 204 7/8   | 38 | 10X45   | SIZED PER JOB | 16 | MD139 | 27 3/8   | MD139    | 13.2 | 4980        |
| 96AVR80 | 983        |             |    | 100 |         |        | 228 7/8   | 48 |         |               |    |       |          |          |      | 5450        |

| AIRLOCK FLANGE                             | 'J' DIA. DISCHARGE | HOPPER SCHEDULE |        |         |          |          |        |          |          |
|--------------------------------------------|--------------------|-----------------|--------|---------|----------|----------|--------|----------|----------|
|                                            |                    | AVR FILTER      |        |         |          |          |        |          |          |
|                                            |                    | 7               | 14     | 21      | 32       | 39       | 52     | 62       | 80       |
| FTA/TRA-30, HD10X8, RV-02, MD20, HE9X9     | 8                  | 17 9/16         | 28     | 34      | 45 1/4   | ---      | ---    | ---      | ---      |
| FTA/TRA-60, HD12X10, RV-04, MD40           | 10                 | 15 7/8          | 26 1/4 | 32 5/16 | 43 9/16  | 48 3/4   | 54     | 64 3/8   | 72 1/8   |
| FTA/TRA-120, HD16X12, RV-08, MD75, HE12X12 | 12                 | 14 1/8          | 24 1/2 | 30 9/16 | 41 13/16 | 47       | 52 1/4 | 62 5/8   | 70 3/8   |
| FTA/TRA-200, RV-12, HE15X15                | 14                 | ---             | ---    | 28 7/8  | 40 1/8   | 45 1/4   | 50 1/2 | 60 7/8   | 68 11/16 |
| HD20X15                                    | 15                 | ---             | ---    | 28      | 39 1/4   | 44 7/16  | 49 5/8 | 60       | 67 7/8   |
| FTA/TRA-300, MD139                         | 16                 | ---             | ---    | 27 1/8  | 38 3/8   | 43 9/16  | 48 3/4 | 59 1/8   | 67       |
| FTA/TRA-400, HE18X18                       | 18                 | ---             | ---    | 25 3/8  | 36 5/8   | 41 13/16 | 47     | 57 7/16  | 65 1/4   |
| MD260                                      | 19                 | ---             | ---    | 24 1/2  | 35 3/4   | 41       | 46 1/8 | 56 9/16  | 64 3/8   |
| MD400                                      | 20                 | ---             | ---    | 23 5/8  | 34 7/8   | 40 1/8   | 45 1/4 | 55 11/16 | 63 1/2   |

NOTES:

- ALL DIMENSIONS ARE IN INCHES.
- TIMER CONTROL PANEL, 110 VOLTS REQUIRED.
- 3/4" NPT, 90-100 PSIG, CLEAN, DRY AIR REQUIRED. SEE SCFM FOR VOLUME.
- 1/8" FNPT, MUST HAVE A PLUG, IF DIFFERENTIAL PRESSURE GAUGE IS NOT USED.
- FILTERS WITH 18" BAGS WILL USE A 20" FOOD GRADE DOOR. THIS DIMENSION WILL BE 2".
- LADDER AND SERVICE PLATFORM AVAILABLE ON 54AVR32 AND UP.
- HOPPER IS A CONSTANT 60". 'C' WILL VARY WITH THE SIZE OF THE DISCHARGE.
- ADD 4" TO THE OVERALL STACK UP AND LEGS ON AVR7, IF MATING AIRLOCK IS EQUIPPED WITH R/A REDUCER AND X-PL PROOF MOTOR. 4" EXTENSION MUST BE BOLTED BETWEEN AIRLOCK AND HOPPER.
- MAY VARY PER JOB.
- MAXIMUM AIRLOCK IS THE LARGEST AIRLOCK THAT WILL FIT UNDER ASSEMBLY WITH STANDARD LEG FRAME.
- DIFFERENTIAL PRESSURE GAUGE, IF SUPPLIED, TO BE FIELD INSTALLED BY CUSTOMER.
- DIMENSION INCLUDES TUBESHEET THICKNESS.
- UNIT CONSTRUCTION FOR 17" HG. OR 40" W.C.



MOUNT PAD DETAIL  
BOTTOM VIEW

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AVR DUST FILTER  
GENERAL DIMENSIONS

|                                                    |                                                      |                              |                     |
|----------------------------------------------------|------------------------------------------------------|------------------------------|---------------------|
| DRAWN BY: HEP<br>DATE: 07/12/82<br>SCALE: 1/16"=1" | CHECKED BY: JRG<br>DATE: 07/02/99<br>SCALE: 1/16"=1" | JOB NO.: AVR7<br>REV. NO.: M | DRAWING NO.: D00086 |
|----------------------------------------------------|------------------------------------------------------|------------------------------|---------------------|