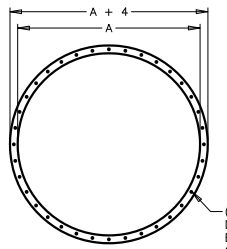
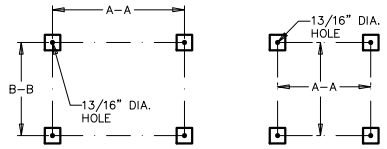
AVR FLANGE SCHEDULE			
AVR	A	CC	DD
7	28	30	16
14	40	42	24
21	47	49	36
32	60	62	48
39	66	68	48
52	72	74	48
62	84	86	48
80	93	95	48

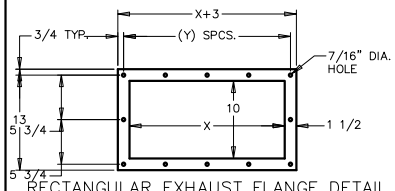


AVR FLANGE DETAIL

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	---	---	---	---	---

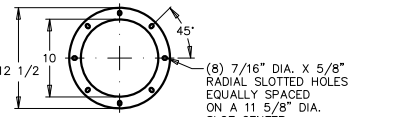


VIEW B–B LEG PAD LAYOUT
AVR7–21 AVR32–80

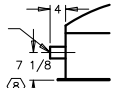


RECTANGULAR EXHAUST FLANGE DETAIL

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

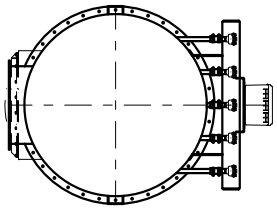


10" DIA. EXHAUST FLANGE DETAIL



SIZE AS REQUIRED, 10" DIA. MAX.

STUB EXHAUST DETAIL
OPTIONAL



REVISIONS			
LTR.	DESCRIPTION	DATE	BY

MODEL	CLOTH AREA	NO. OF BAGS	A	B STD	B X–VENT	C	D	E STD	E X–VENT	F	G	J	K	L	O	P 4SF	P 9SF	MAXIMUM AIRLOCK	SCFM	WEIGHT LBS.
				⟨16⟩		⟨10⟩		⟨16⟩			⟨9⟩				⟨17⟩			⟨13⟩	⟨4⟩	⟨19⟩
18AVR7	13	7	28	28	N/A	17 3/4	40 3/4	90 3/8	N/A	20	10" DIA	8	MD20	17 1/8	N/A	N/A	N/A	MD40	3.3	500
36AVR7	30			40	N/A			102 3/8	N/A	22										550
54AVR7	46			58	N/A			120 3/8	N/A	30										640
72AVR7	63			76	N/A			138 3/8	N/A	38										730
18AVR14	27	14	40	28	N/A	26 7/16	51	104	N/A	20	10" DIA	10	MD40	20 1/2	N/A	N/A	N/A	MD40	4.7	780
36AVR14	60			40	64			116	140	22					4SF	25				860
54AVR14	93			58	76			134	152	30										990
72AVR14	127			76	94			152	170	38										1110
96AVR14	172			100	118			176	194	48										1290
36AVR21	90	21	47	40	64	32 1/2	57	122 13/16	146 13/16	22	10X20	10	MD40	21 5/16	4SF & 9SF	25	38 1/2	MD40	5.4	1150
54AVR21	140			58	76			140 13/16	158 13/16	30										1340
72AVR21	191			76	94			158 13/16	176 13/16	38										1530
96AVR21	258			100	118			182 13/16	200 13/16	48										1780
54AVR32	214	32	60	58	76	43 3/4	68 1/4	153 11/16	171 11/16	30	10X20	10	MD40	22 15/16	4SF & 9SF	25	34	MD40	6.5	1860
72AVR32	291			76	94			171 11/16	189 11/16	38										2100
96AVR32	393			100	118			195 11/16	213 11/16	48										2430
54AVR39	261	39	66	58	76	48 15/16	73 1/2	159 13/16	177 13/16	30	10X30	10	MD40	23 13/16	4SF & 9SF	25	34	MD40	7.5	2140
72AVR39	354			76	94			177 13/16	195 13/16	38										2400
96AVR39	479			100	118			201 13/16	219 13/16	48										2770
72AVR52	473	52	72	76	94	54 1/8	78 5/8	183 11/16	201 11/16	38	10X30	10	MD40	24 9/16	9SF	N/A	34	MD40	9.1	2940
96AVR52	639			100	118			207 11/16	225 11/16	48										3360
72AVR62	564	62	84	76	94	62 13/16	89 1/4	195 15/16	213 15/16	38	10X45	12	MD75	26 3/16	9SF	N/A	34	MD139	10.6	3720
96AVR62	761			100	118			219 15/16	237 15/16	48										4220
72AVR80	728	80	93	76	94	67 1/8	97	204 7/8	222 7/8	38	10X45	16	MD139	27 3/8	9SF	N/A	34	MD139	13.2	4370
96AVR80	983			100	118			228 7/8	246 7/8	48										4830

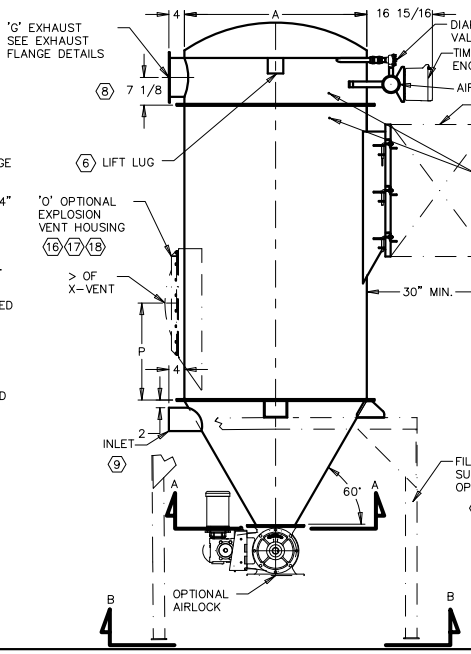
HOPPER SCHEDULE								
	AVR FILTER							
'J' DIA. DISCHARGE	7	14	21	32	39	52	62	80
	'C' DIMENSION							
8	17 3/4	28 3/16	34 3/16	45 7/16	---	---	---	---
10	16	26 7/16	32 1/2	43 3/4	48 15/16	54 1/8	64 1/2	72 5/16
12	---	24 11/16	30 3/4	42	47 3/16	52 7/16	62 13/16	70 9/16
14	---	22 15/16	29	40 1/4	45 1/2	50 11/16	61 1/16	68 13/16
15	---	---	28 3/16	39 7/16	44 5/8	49 13/16	60 3/16	68
16	---	---	27 5/16	38 9/16	43 3/4	48 15/16	59 5/16	67 1/8
18	---	---	25 9/16	36 13/16	42	47 3/16	57 5/8	65 3/8
19	---	---	24 11/16	35 15/16	41 1/8	46 5/16	56 3/4	64 9/16

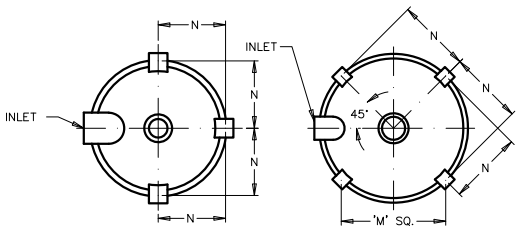
AVR	7	14	21	32	39	52	62	80
N	15 7/8	22	25 1/2	32 1/16	35 1/8	38 1/8	44 1/8	48 5/8
M	---	---	---	45 3/8	49 5/8	53 7/8	62 7/16	68 3/4

⟨⟩ GENERAL NOTES:
1. ALL DIMENSIONS ARE IN INCHES.
2. UNIT CONSTRUCTION FOR 17" HG OR 40" W.C.
3. NEMA 4X POLYCARBONATE TIMER ENCLOSURE, STANDARD, 110VAC REQUIRED, 24VDC OPTIONAL.
4. 3/4" FNPT, 90–100 PSIG, CLEAN, DRY AIR REQUIRED. SEE SCFM FOR VOLUME.
5. 1/8" FNPT, MUST HAVE A PLUG, IF DIFFERENTIAL PRESSURE GAUGE IS NOT USED. IF SUPPLIED, TO BE FIELD INSTALLED BY CUSTOMER.
6. LIFTING LUG QUANTITY & LOCATION VARY WITH MODELS.
7. UNLESS OTHERWISE SPECIFIED, ORIENTATION SHOWN IS STANDARD.
8. DIMENSION INCLUDES TUBESHEET THICKNESS.
9. MAY VARY PER JOB.
10. HOPPER IS A CONSTANT 60^. 'C' WILL VARY WITH THE SIZE OF THE DISCHARGE. DIMENSION 'C' IS BASED ON USING A 1/4" THK. DISCHARGE FLANGE, EXCEPT 8" IS 3/16" THK.
11. 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.
12. LADDER AND SERVICE PLATFORM AVAILABLE ON 54AVR32 AND UP.
13. MAXIMUM AIRLOCK IS THE LARGEST AIRLOCK THAT WILL FIT UNDER ASSEMBLY WITH STANDARD LEG FRAME.
14. AVR32 AND LARGER HAVE BOLTED LEGS RATHER THAN SUPPORT FRAME.
15. FILTERS WITH 18" BAGS WILL USE A 20" FOOD GRADE DOOR. THIS DIMENSION WILL BE 2".
16. IF FILTER TO HAVE EXPLOSION VENT, BAGHOUSE HEIGHT TO BE INCREASED TO VALUE IN 'B' X–VENT COLUMN.
17. 4SF (SQ. FT.) X–VENT IS 24"X24" 9SF (SQ. FT.) X–VENT IS 36"X36"
18. SIZE OF RUPTURE STYLE EXPLOSION VENT, IF REQUIRED, IS DETERMINED PER JOB TO MEET THE REQUIREMENTS OF NFPA 68. ORIENTATION OF VENT MAY VARY.
19. ESTIMATED WEIGHT IS FOR 17" HG FILTER WITH 'J' DISCHARGE, BAGS AND CAGES ONLY. IT DOES NOT INCLUDE OPTIONAL ITEMS.

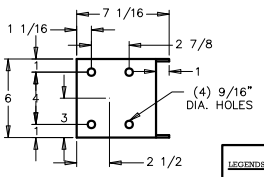
FINISH NOTES:
20. EXTERIOR WELDS CONTINUOUS WHERE POSSIBLE AND CLEANED FREE OF WELD SLAG AND SPLATTER.
21. INTERIOR PLENUM WELDS ARE SKIP WELDED (NON–CONTINUOUS) AND CLEANED FREE OF WELD SLAG AND SPLATTER.
21. PRODUCT CONTACT WELDS ARE SKIP WELDED (NON–CONTINUOUS) AND CLEANED FREE OF WELD SLAG AND SPLATTER.
22. EXTERIOR PAINTED SHERWIN WILLIAMS POLANE D8700 DTM URETHANE PAINT (RAL9003 SIGNAL WHITE). SURFACE PREPARATION: SSPC–SP1 AND SSPC–SP2.

SHIPPING NOTES:
23. ALL OPENINGS TO BE COVERED PRIOR TO SHIPMENT.
24. GASKETS OR SILICONE CAULK REQUIRED.





VIEW A–A MOUNT PAD LAYOUT
AVR7–21 AVR32–80



MOUNT PAD DETAIL
BOTTOM VIEW

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	DATE 8-16-22	DRAWING NO. AVR	REV. M

R.D.:

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