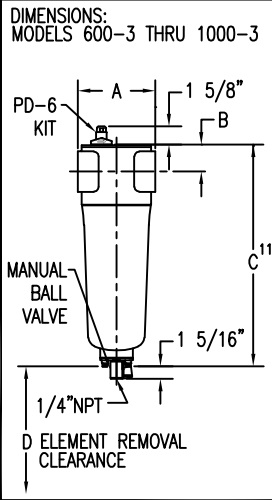
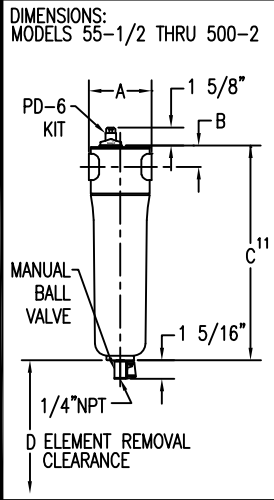
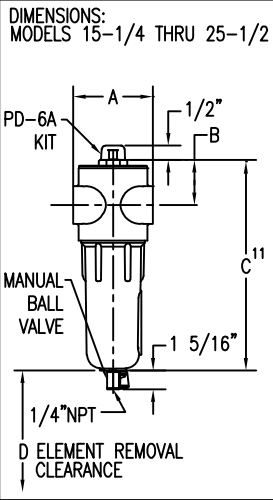


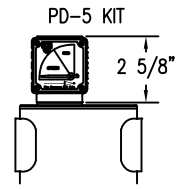
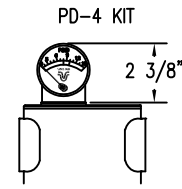
**VAN AIR INC.**

THIS DRAWING IS THE PROPERTY OF

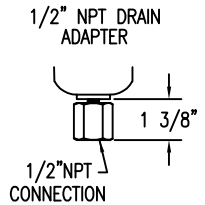
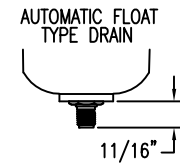
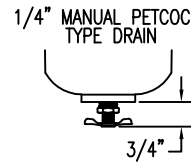
AND IS SUBJECT TO RETURN UPON REQUEST. IT SHALL NOT BE COPIED OR DUPLICATED IN ANY MANNER AND SHALL NOT BE SUBMITTED TO OUTSIDE PARTIES FOR EXAMINATION WITHOUT THE CONSENT OF VAN AIR INC. IT SHALL BE USED FOR REFERENCE TO WORK UNDER CONTRACT OR PROPOSALS SUBMITTED BY VAN AIR INC. ONLY.



INSTALLED DIMENSIONS FOR OPTIONAL PRESSURE DIFFERENTIAL KITS FOR FILTER MODELS 55-1/2 THRU 1000-3 ONLY



INSTALLED DIMENSIONS FOR OPTIONAL DRAIN CONFIGURATIONS FOR ALL FILTER MODELS



NOTE: RECOMMENDED FOR PREFILTER USE ONLY

MODEL	RATED FLOW (SCFM)	IN/OUT CONN (NPT)	REPLACEMENT ELEMENT	DIMENSIONS (IN.)				UNIT WT. (LBS)
				A	B	C <sup>11</sup>	D	
F200-15-1/4-(GRADE) <sup>1</sup>	15	1/4"	E200-15/25-(GRADE) <sup>2</sup>	2.83	1.65	7.60	3.00	1.10
F200-25-3/8-(GRADE) <sup>1</sup>	25	3/8"	E200-15/25-(GRADE) <sup>2</sup>	2.83	1.65	7.60	3.00	1.10
F200-25-1/2-(GRADE) <sup>1</sup>	25	1/2"	E200-15/25-(GRADE) <sup>2</sup>	2.83	1.65	7.60	3.00	1.10
F200-55-1/2-(GRADE) <sup>1</sup>	55	1/2"	E200-55-(GRADE) <sup>2</sup>	3.50	1.30	8.92	4.00	3.00
F200-85-3/4-(GRADE) <sup>1</sup>	85	3/4"	E200-85-(GRADE) <sup>2</sup>	5.00	1.65	11.75	4.00	5.50
F200-100-1-(GRADE) <sup>1</sup>	100	1"	E200-100-(GRADE) <sup>2</sup>	5.00	1.65	11.75	4.00	5.50
F200-150-1-(GRADE) <sup>1</sup>	150	1"	E200-150-(GRADE) <sup>2</sup>	5.00	1.65	17.62	6.00	6.50
F200-265-1-1/4-(GRADE) <sup>1</sup>	265	1-1/4"	E200-265-(GRADE) <sup>2</sup>	5.00	1.65	17.62	6.00	6.50
F200-350-1-1/2-(GRADE) <sup>1</sup>	350	1-1/2"	E200-350-(GRADE) <sup>2</sup>	5.31	2.07	18.58	6.00	8.50
F200-400-2-(GRADE) <sup>1</sup>	400	2"	E200-400-(GRADE) <sup>2</sup>	5.31	2.07	18.58	6.00	8.50
F200-500-2-(GRADE) <sup>1</sup>	500	2"	E200-500-(GRADE) <sup>2</sup>	5.31	2.07	26.54	6.00	9.70
F200-600-3-(GRADE) <sup>1</sup>	600	3"	E200-600-(GRADE) <sup>2</sup>	7.87	2.75	21.67	8.00	19.60
F200-800-3-(GRADE) <sup>1</sup>	800	3"	E200-800-(GRADE) <sup>2</sup>	7.87	2.75	27.26	8.00	21.70
F200-1000-3-(GRADE) <sup>1</sup>	1000	3"	E200-1000-(GRADE) <sup>2</sup>	7.87	2.75	31.91	12.00	27.90

MODEL SUFFIX: MD EXAMPLE: F200-15-1/4-MD	MODEL SUFFIX: AD EXAMPLE: F200-15-1/4-AD	MODEL SUFFIX: DA EXAMPLE: F200-15-1/4-DA
---	---	---

**NOTES:**

- 1) INCLUDE ELEMENT GRADE AND DRAIN OPTION SUFFIX AS LISTED ABOVE FOR COMPLETE HOUSING MODEL NUMBER.
- 2) INCLUDE ELEMENT GRADE FOR COMPLETE MODEL NUMBER.
- 3) FLOW RATES GIVEN IN SCFM @ 100 PSIG OPERATING PRESSURE. TO FIND FLOW RATES AT OTHER OPERATING PRESSURES, MULTIPLY RATED FLOW AT 100 PSIG BY CORRECTION FACTOR GIVEN IN CHART BELOW.
- 4) MAXIMUM WORKING PRESSURE: 250 PSIG @ 225°F.
- 5) REPLACE ELEMENTS WHEN PRESSURE DROP EQUALS OR EXCEEDS 10 PSID.
- 6) GRADE "RD" ELEMENTS MUST NOT OPERATE IN OIL SATURATED CONDITIONS. REPLACE ELEMENT PERIODICALLY TO SUITE THE APPLICATION, BUT CHANGE AT LEAST EVERY SIX MONTHS.
- 7) THE F200 SERIES FILTERS ARE NOT DESIGNED TO REMOVE CARBON MONOXIDE OR CARBON DIOXIDE.
- 8) ALL MODELS ARE FINISHED WITH WHITE EPOXY POWDERCOATING.
- 9) FOR BEST RESULTS, MATCH FILTER INLET/OUTLET CONNECTION SIZE TO PIPE SIZE UNLESS ACTUAL FLOW EXCEEDS FILTER FLOW RATING.
- 10) ACCESSORIES AVAILABLE UPON REQUEST: MANIFOLD KITS, MOUNTING BRACKETS, OPTIONAL DRAINS, DIFFERENTIAL PRESSURE GAUGES AND INDICATORS.
- 11) FOR FILTER OVERALL LENGTH, ADD THE LENGTH FROM THE CORRESPONDING DRAIN OPTION AND DIFFERENTIAL PRESSURE GAUGE LISTED ABOVE.

FLOW CORRECTION FACTORS FOR 250 PSIG (MWP) FILTERS	ACTUAL PRESSURE (PSIG)	10	20	30	40	50	60	70	80	90	100	125	150	175	200	225	250
	X FLOW @ 100 PSIG		.21	.30	.39	.48	.56	.65	.74	.83	.92	1.00	1.22	1.44	1.65	1.87	2.09

ELEMENT GRADE	PURPOSE	FLOW DIRECTION	PARTICLE REMOVAL (MICROMETER)	EFFICIENCY %	MAX OIL CARRYOVER (PPM $\frac{W}{W}$ )	RECOMMENDED INLET TEMP °F	MAX ALLOWABLE TEMP °F	CLEAN PRESSURE DROP	
								DRY Δ P	OIL WET Δ P
AA <sup>5</sup>	EXTRA COARSE PREFILTER	IN/OUT	>25.0 μ	100 @ 25.0 μ	7.8	225	225	.40	.75
A <sup>5</sup>	COARSE PREFILTER	IN/OUT	>5.0 μ	100 @ 5.0 μ	3.9	225	225	.50	1.00
B <sup>5</sup>	GENERAL PURPOSE PREFILTER	IN/OUT	>1.0 μ	99.99 @ 0.6 μ	0.78	185	225	.75	1.50
C <sup>5</sup>	HIGH EFFICIENCY PREFILTER	IN/OUT	>.01 μ	99.9999 @ 0.6 μ	0.008	125	225	1.50	4.00
RAA <sup>5</sup>	EXTRA COARSE AFTERFILTER	OUT/IN	>25.0 μ	100 @ 25.0 μ	NA	225	225	.40	NA
RA <sup>5</sup>	COARSE AFTERFILTER	OUT/IN	>5.0 μ	100 @ 5.0 μ	NA	225	225	.50	NA
RB <sup>5</sup>	GENERAL PURPOSE AFTERFILTER	OUT/IN	>1.0 μ	99.99 @ 0.6 μ	NA	185	225	.75	NA
RC <sup>5</sup>	HIGH EFFICIENCY AFTERFILTER	OUT/IN	>.01 μ	99.9999 @ 0.6 μ	NA	125	225	1.50	NA
RD <sup>6</sup>	VAPOR ADSORBING	OUT/IN	>.01 μ	99.9999 @ 0.6 μ	0.004 <sup>6</sup>	80	80	1.50	NA <sup>6</sup>

COMPRESSED AIR AND GAS FILTERS  
F200 SERIES

DRWN BY: WLN	DATE: 11-11-98	DRWG No.	REV
CHECKED:	SCALE: NONE		B
APPL:		SD-80036	

A DIVISION OF VAN AIR INC. LAKE CITY, PA 16423 (814)774-2631 FAX:(814)774-4065

**VAN AIR SYSTEMS**

App'l	DATE	LVL	ECN
SCF	11-12-98	A	N0845
07-08-04		B	N01096