REVISIONS				
ZONE	LTR.	DESCRIPTION	DATE	APPROVED

NOTES UNLESS OTHERWISE SPECIFIED:

1. NOMENCLATURE: VALVE, BREATHER, TWO–WAY RELIEF WITH MANUAL RELEASE BUTTON, AND REPLACEABLE DESICCANT CARTRIDGE (OPTIONS WITH MOUNTING FLANGE AND RFI SHIELDING AVAILABLE).
2. REFERENCE SPECIFICATIONS: SAE AS27166, TYPE III, WITH MODIFIED PERFORMANCE AS SHOWN IN TABLE ON SHEET 3.
3. FLOW PERFORMANCE: SEE TABLE ON SHEET 3.

[4.] MATERIALS:

4.1 VALVE HOUSING, COVER, MANUAL RELEASE BUTTON, HEX NUT, WASHER, MOUNTING FLANGE AND RFI HOUSING (IF APPLICABLE): ALUMINUM ALLOYS.

4.2 DESICCANT TUBE AND FILTERS: POROUS HDPE, 15–90 MICRON NOMINAL PORE SIZE.

4.3 VALVE GASKET: SILICONE RUBBER IAW A–A–59588, CLASS 2A OR 2B, GRADE 60, COLOR RED.

4.4 ENVIRONMENTAL GASKET (IF APPLICABLE): SYNTHETIC RUBBER IAW MIL–PRF–6855, CLASS 2, TYPE A, GRADE 60, COLOR BLACK.

4.5 CONDUCTIVE O–RING (IF APPLICABLE): SILVER PLATED, ALUMINUM FILLED, SILICONE ELASTOMER IAW MIL–DTL–83528, TYPE B.

4.6 DESICCANT: MOLECULAR SIEVE OR SILICA GEL.

[5.] FINISHES:

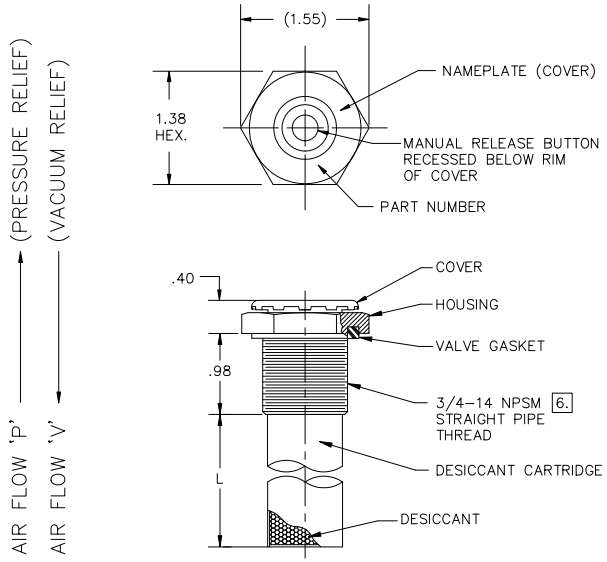
5.1 VALVE HOUSING AND MOUNTING FLANGE (IF APPLICABLE), ANODIZED IAW MIL–A–8625, TYPE II, CLASS 1.

5.2 RFI/EMI HOUSING (IF APPLICABLE): CONVERSION COAT IAW MIL–DTL–5541, TYPE I, CLASS 3.

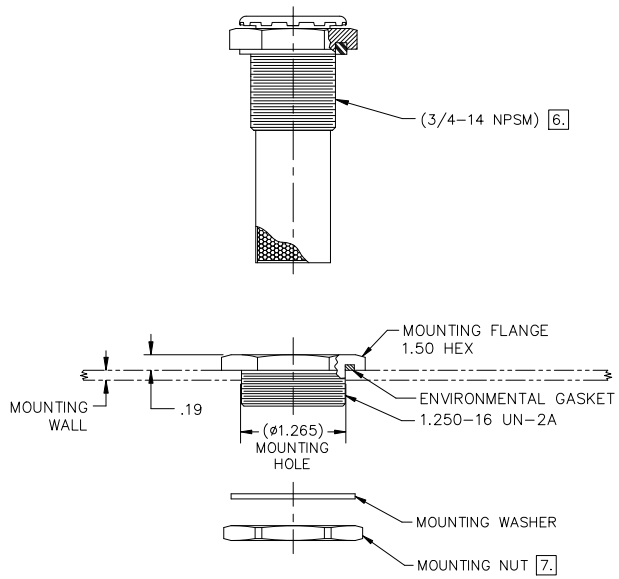
5.3 MANUAL RELEASE BUTTON: ANODIZED IAW MIL–A–8625, TYPE III, CLASS 2, COLOR BLACK.

[6.] RECOMMENDED INSTALLATION TORQUE 30–40 IN–LBS.

[7.] RECOMMENDED INSTALLATION TORQUE 70–80 IN–LBS.



FITTING OPTION: –0
NO MOUNTING HARDWARE (FOR INSTALLATION INTO A THREADED HOLE)



FITTING OPTION: –1
MOUNTING FLANGE

FOR VALVE AND CARTRIDGE DIMENSIONS, SEE FITTING OPTION –0 FIGURE.

PART NUMBER CONVENTION: TA333–P–V–DL–F

P = PRESSURE SETTING SEE TABLE ON SHEET 3
V = VACUUM SETTING SEE TABLE ON SHEET 3
D = DESICCANT TYPE MS (MOL SIEVE) OR SG (SILICA GEL)
L = LENGTH BETWEEN .5 AND 6 TO NEAREST .1. SEE FIGURE FOR FITTING OPTION –0
F = FITTING OPTION 0, 1, 2, OR 3. SEE FIGURES

EXAMPLE: TA333–05–05–MS3.0–1
(TA333–05–05–R VALVE, WITH 3.0" LONG CARTRIDGE CONTAINING MOLECULAR SIEVE, WITH A MOUNTING FLANGE)

PART DASH NO.	NEXT QTY. REQ'D PER ASSY.	FINAL	NEXT ASSY.	USED ON APPLICATION

INTERPRET DIMENSIONS AND TOLERANCES IAW ASME Y14.5M–1994
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
TOLERANCES:
DECIMALS .XX ±.06 .XXX ±.010
ANGLES ±.5°
DO NOT SCALE DRAWING
FINISH 5.
SIMILAR TO | ACT. WT. | CALC. WT.

CONTRACT
DRAWN R.CASAD DATE 11–10–20
CHECK
APPROVED By Eric Zuercher at 10:08 am, Dec 21, 2020
MANUFACTURING
CUSTOMER

agm CONTAINER CONTROLS, INC.
P.O. BOX 40020 – TUCSON, ARIZONA 85717–0020

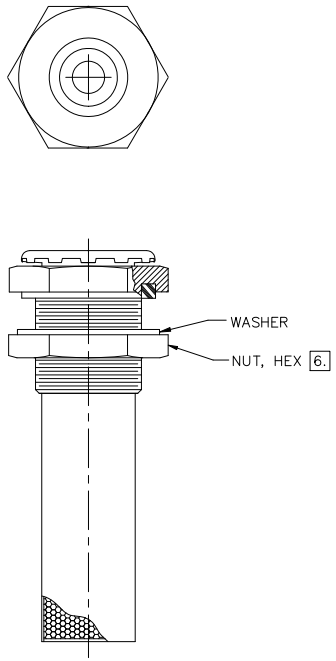
TITLE
BREATHING DESICCATOR WITH MANUAL RELIEF

SIZE D | FSCM NO. 08992 | DWG. NO. TA333–PVDLF | REV –
SCALE 1/1 | RELEASE DATE | SHEET 1 OF 3

DMAT 1/01
FILE TA333–PVDLF

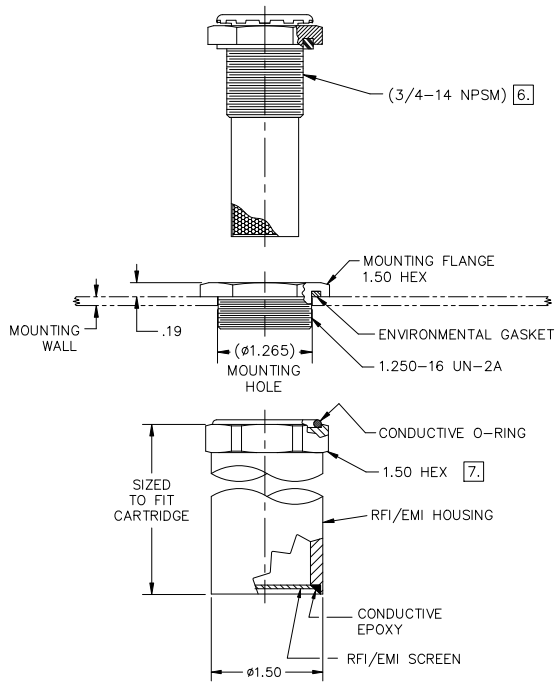
REVISIONS				
ZONE	LTR.	DESCRIPTION	DATE	APPROVED

AIR FLOW "P" (OUT OF CONTAINER)
AIR FLOW "V" (INTO CONTAINER)



FITTING OPTION: −2
HEX NUT AND WASHER.

FOR VALVE AND CARTRIDGE DIMENSIONS, SEE FITTING OPTION −0 FIGURE.



FITTING OPTION: −3
MOUNTING FLANGE AND RFI/EMI HOUSING.

FOR VALVE AND CARTRIDGE DIMENSIONS, SEE FITTING OPTION −0 FIGURE.

SIZE	FSCM NO.	DWG. NO.	REV
D	08992	TA333−PVDLF	—
SCALE 1/1	RELEASE DATE	SHEET 2	

DMAT 2/91

FILE TA333−PVDLF

REVISIONS				
ZONE	LTR.	DESCRIPTION	DATE	APPROVED

DASH NUMBERS FOR PRESSURE AND VACUUM SIDE MAY BE USED IN ANY COMBINATION (E.G., TA333–05–15). CONTACT AGM FOR AVAILABILITY OF SETTINGS IN ADDITION TO THOSE SHOWN BELOW.

RESEAL VALVE PERFORMANCE						
	PRESSURE SIDE (FLOW OUT)			VACUUM SIDE (FLOW IN)		
SETTING NUMBER	CRACKING PRESSURE RANGE (PSID)	RESEAL PRESSURE AFTER CRACK, MIN (PSID)	MINIMUM FLOW RATE (SCFM BY PSID)	CRACKING PRESSURE RANGE (PSID)	RESEAL PRESSURE AFTER CRACK, MIN (PSID)	MINIMUM FLOW RATE (SCFM BY PSID)
TA333-025-025-DL-F	0.25-0.75	0.25	0.7 BY 1.75	0.25-0.75	0.25	1.0 BY 1.75
TA333-05-05-DL-F	0.50-1.00	0.50	0.7 BY 2.00	0.50-1.00	0.50	1.0 BY 2.00
TA333-10-10-DL-F	1.00-1.50	1.00	0.6 BY 2.50	1.00-1.50	1.00	0.8 BY 2.50
TA333-15-15-DL-F	1.50-2.25	1.50	0.5 BY 3.00	1.50-2.25	1.50	0.7 BY 3.00
TA333-20-20-DL-F	2.00-3.00	2.00	0.5 BY 3.50	2.00-3.00	2.00	0.7 BY 3.50
TA333-25-25-DL-F	2.50-3.50	2.50	0.3 BY 4.00	2.50-3.50	2.50	0.6 BY 4.00
TA333-30-30-DL-F	3.00-4.00	3.00	0.3 BY 4.50	3.00-4.00	3.00	0.6 BY 4.50
TA333-40-40-DL-F	4.00-5.50	4.00	0.2 BY 5.50	4.00-5.50	4.00	0.2 BY 5.50
TA333-50-50-DL-F	5.00-6.50	5.00	0.2 BY 8.00	5.00-6.50	5.00	0.2 BY 8.00

CRACKING VALVE PERFORMANCE						
	PRESSURE SIDE (FLOW OUT)			VACUUM SIDE (FLOW IN)		
SETTING NUMBER	CRACKING PRESSURE RANGE	RESEAL PRESSURE AFTER CRACK, MIN	MINIMUM FLOW RATE (SCFM BY PSID)	CRACKING PRESSURE RANGE	RESEAL PRESSURE AFTER CRACK, MIN	MINIMUM FLOW RATE (SCFM BY PSID)
TA333-025C-025C-DL-F	0.10-0.40	0.10	0.8 BY 1.75	0.10-0.40	0.10	0.8 BY 1.75
TA333-05C-05C-DL-F	0.30-0.70	0.10	0.7 BY 2.00	0.30-0.70	0.10	1.0 BY 2.00
TA333-10C-10C-DL-F	0.75-1.25	0.50	0.7 BY 2.00	0.75-1.25	0.50	1.0 BY 2.00
TA333-15C-15C-DL-F	1.25-1.75	1.00	0.7 BY 3.00	1.25-1.75	1.00	0.7 BY 3.00
TA333-20C-20C-DL-F	1.75-2.25	1.00	0.5 BY 3.50	1.75-2.25	1.00	0.7 BY 3.50

SIZE	FSCM NO.	DWG. NO.	REV
D	08992	TA333–PVDLF	—
SCALE 1/1	RELEASE DATE	SHEET 3	