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NOTES UNLESS OTHERWISE SPECIFIED:

1. NOMENCLATURE: VALVE, BREATHER, TWO-WAY RELIEF WITH MANUAL RELEASE BUTTON, HUMIDITY INDICATOR AND REPLACEABLE DESICCANT CARTRIDGE (OPTIONS WITH MOUNTING FLANGE AND RFI SHIELDING AVAILABLE).
2. REFERENCE SPECIFICATIONS: SAE AS26860, TYPE II, WITH COLOR CHANGE INDICATOR, AND SAE AS27166, TYPE III, WITH MODIFIED PERFORMANCE AS SHOWN IN TABLE ON SHEET 3.
3. FLOW PERFORMANCE: SEE TABLE ON SHEET 3.

4. THE RELATIVE HUMIDITY (RH) OF THE CONTAINER AIR IS INDICATED BY SEGMENTS ON INDICATOR CARD: SEE HUMIDITY INDICATOR FIGURE ON SHEET 2. A BLUE COLOR IN SEGMENT INDICATES RH IS LESS THAN NUMBER IN THAT SEGMENT. A LAVENDER OR PINK COLOR IN SEGMENT INDICATES RH IS EQUAL TO OR GREATER THAN NUMBER IN THAT SEGMENT.
- HUMIDITY INDICATOR CARD OPTIONS:
TA340 SHOWS 20, 40 AND 60 PERCENT SEGMENTS,
TA341 SHOWS 10, 20 AND 30 PERCENT SEGMENTS.
COLOR CHANGE IS REVERSIBLE UNDER NORMAL CONDITIONS.

5. MATERIALS:

- 5.1 VALVE HOUSING, MANUAL RELEASE BUTTON, HEX NUT, WASHER, MOUNTING FLANGE AND RFI HOUSING (IF APPLICABLE): ALUMINUM ALLOYS.
- 5.2 VALVE STEM (NOT SHOWN): CORROSION RESISTANT STEEL.
- 5.3 WINDOW: TRANSPARENT POLYCARBONATE.
- 5.4 DESICCANT TUBE AND FILTERS: POROUS HDPE, 15-90 MICRON NOMINAL PORE SIZE.
- 5.5 VALVE GASKET: SILICONE RUBBER IAW A-A-59588, CLASS 2A OR 2B, GRADE 60, COLOR RED.
- 5.6 ENVIRONMENTAL GASKET (IF APPLICABLE): SYNTHETIC RUBBER IAW MIL-PRF-6855, CLASS 2, TYPE A, GRADE 60, COLOR BLACK.
- 5.7 CONDUCTIVE O-RING (IF APPLICABLE): SILVER PLATED, ALUMINUM FILLED, SILICONE ELASTOMER IAW MIL-DTL-83528, TYPE B.
- 5.8 DESICCANT: MOLECULAR SIEVE OR SILICA GEL. EACH INCH OF DESICCANT CARTRIDGE HOLDS APPROXIMATELY SIX GRAMS OF DESICCANT.

6. FINISHES:

- 6.1 VALVE HOUSING AND MOUNTING FLANGE (IF APPLICABLE), ANODIZED IAW MIL-A-8625, TYPE II, CLASS 1.
- 6.2 RFI/EMI HOUSING (IF APPLICABLE): CONVERSION COAT IAW MIL-DTL-5541, TYPE I, CLASS 3.
- 6.3 MANUAL RELEASE BUTTON: ANODIZED IAW MIL-A-8625, TYPE II, CLASS 2, COLOR BLACK.

7. RECOMMENDED INSTALLATION TORQUE 30-40 IN-LBS.

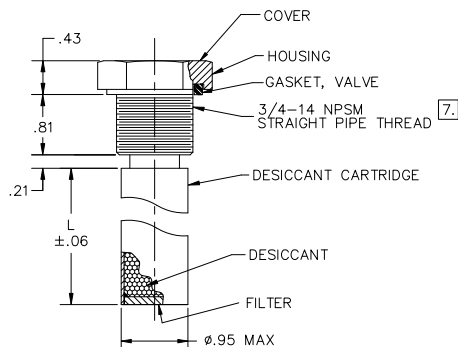
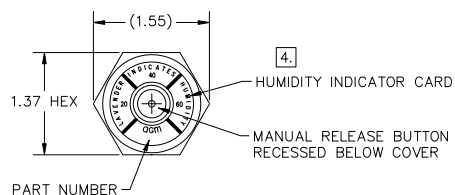
8. RECOMMENDED INSTALLATION TORQUE 70-90 IN-LBS.

PART NUMBER CONVENTION: TA34X-P-V-DL-F

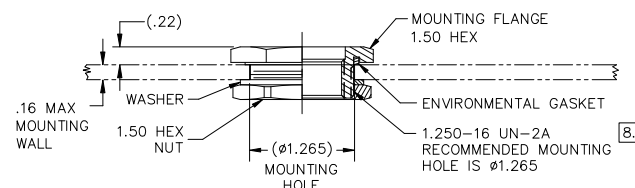
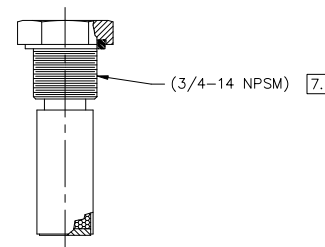
X = INDICATOR CARD 0 OR 1. SEE NOTE 4
P = PRESSURE SETTING SEE TABLE ON SHEET 3
V = VACUUM SETTING SEE TABLE ON SHEET 3
D = DESICCANT TYPE MS (MOL SIEVE) OR SG (SILICA GEL)
L = LENGTH BETWEEN .5 AND 6 TO NEAREST .1. SEE FIGURE FOR FITTING OPTION -0
F = FITTING OPTION 0, 1, 2, OR 3. SEE FIGURES

EXAMPLE: TA340-10-10-MS1.5-1

(TA340-10-10-R VALVE, 20-40-60% RH CARD, WITH 1.5" LONG CARTRIDGE CONTAINING MOLECULAR SIEVE, WITH A MOUNTING FLANGE)



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.

REVISIONS

ZONE	LTR	DESCRIPTION	DATE	APPROVED

APPROVED
By Eric Zuercher at 5:24 pm, Oct 08, 2025

CONTRACT				DATE			
R. CASAD				8-24-20			
E. ZUERCHER				9-15-20			
E. ZUERCHER				9-15-20			
DO NOT SCALE DRAWING				DO NOT SCALE DRAWING			
6.				6.			
PART NO.				PART NO.			
QTY. REQD PER ASSY.				QTY. REQD PER ASSY.			
NEXT FINAL				NEXT FINAL			
NEXT ASSY.				NEXT ASSY.			
USED ON				USED ON			
APPLICATION				APPLICATION			
DRAWN TO				DRAWN TO			
NOT. BY				NOT. BY			
DATE				DATE			
SCALE				SCALE			
RELEASE DATE				RELEASE DATE			
SHEET				SHEET			
1 OF 3				1 OF 3			

CGM CONTAINER CONTROLS, INC.			
P.O. BOX 40020 - TUCSON, ARIZONA 85717-0020			
BREATHING DESICCATOR WITH HUMIDITY INDICATOR			
FSCM NO. 08992			
TA34X-PVDLF			
REV B			

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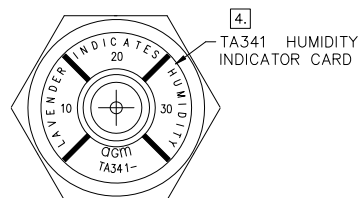
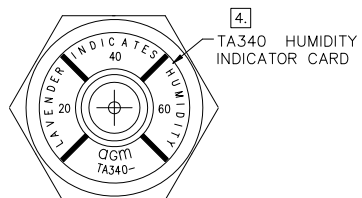
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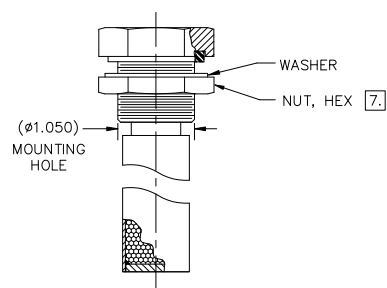
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REVISIONS				
ZONE	LTR.	DESCRIPTION	DATE	APPROVED

HUMIDITY INDICATOR CARD OPTIONS:

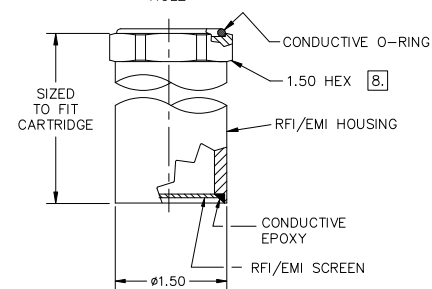
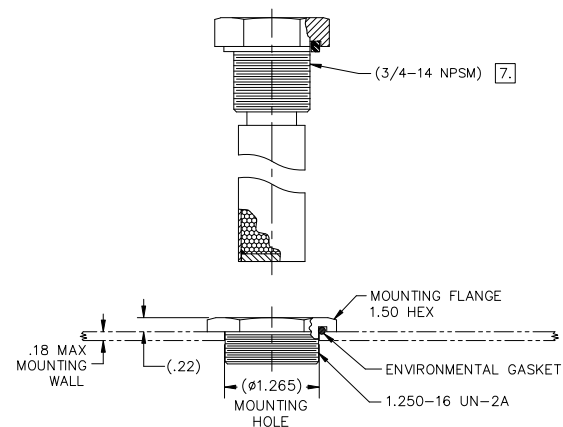


AIR FLOW "D" (OUT OF CONTAINER)
AIR FLOW "V" (INTO CONTAINER)



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	TA34X-PVDLF	B
SCALE	1	RELEASE DATE	SHEET 2

8	7	6	5	4	3	2	1
						REVISIONS	
ZONE		L.T.R.		DESCRIPTION		DATE	APPROVED

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)
TA34X-03-03-DL-F	0.30-0.80	0.30	0.5 BY 2.00	0.30-0.80	0.30	0.5 BY 2.00
TA34X-05-05-DL-F	0.50-1.00	0.50	0.5 BY 2.00	0.50-1.00	0.50	0.5 BY 2.00
TA34X-05-20-DL-F	0.50-1.00	0.50	0.5 BY 2.00	2.00-3.00	2.00	0.6 BY 3.50
TA34X-10-10-DL-F	1.00-1.50	1.00	0.4 BY 2.50	1.00-1.50	1.00	0.5 BY 2.50
TA34X-15-05-DL-F	1.50-2.25	1.50	0.4 BY 3.00	0.50-1.00	0.50	0.5 BY 2.00
TA34X-15-15-DL-F	1.50-2.25	1.50	0.4 BY 3.00	1.50-2.25	1.50	0.6 BY 3.00
TA34X-20-20-DL-F	2.00-3.00	2.00	0.2 BY 3.50	2.00-3.00	2.00	0.6 BY 3.50
TA34X-25-15-DL-F	2.50-3.50	2.50	0.2 BY 4.00	1.50-2.25	1.50	0.6 BY 3.00
TA34X-25-25-DL-F	2.50-3.50	2.50	0.2 BY 4.00	2.50-3.50	2.50	0.5 BY 4.00
TA34X-30-05-DL-F	3.00-4.50	3.00	0.1 BY 4.50	0.50-1.00	0.50	0.5 BY 2.00
TA34X-30-20-DL-F	3.00-4.50	3.00	0.1 BY 4.50	2.00-3.00	2.00	0.6 BY 3.50
TA34X-30-30-DL-F	3.00-4.50	3.00	0.1 BY 4.50	3.00-4.50	3.00	0.5 BY 4.50
TA34X-30-60-DL-F	3.00-4.50	3.00	0.1 BY 5.00	6.00-7.50	6.00	0.1 BY 8.00
TA34X-50-50-DL-F	5.00-6.50	5.00	0.1 BY 7.50	5.00-6.50	5.00	0.2 BY 7.50

CRACKING 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)
TA34X-025C-025C-DL-F	0.10-0.40	0.10	0.5 BY 1.75	0.10-0.40	0.10	0.5 BY 1.75
TA34X-05C-05C-DL-F	0.30-0.70	0.10	0.5 BY 1.75	0.30-0.70	0.10	0.5 BY 1.75
TA34X-10C-10C-DL-F	0.75-1.25	0.50	0.5 BY 2.00	0.75-1.25	0.50	0.5 BY 2.00
TA34X-15C-15C-DL-F	1.25-1.75	1.00	0.4 BY 3.00	1.25-1.75	1.00	0.4 BY 3.00
TA34X-20C-20C-DL-F	1.75-2.25	1.50	0.4 BY 3.50	1.75-2.25	1.50	0.6 BY 3.50

SIZE	FSCM NO.	DATE NO.	REV
D	08992	TA34X-PVDLF	B
SCALE	1/1	RELEASE DATE	SHEET 3

DMAT 2/91

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FILE TA34X-PV