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REVISIONS				
ZONE	LTR.	DESCRIPTION	DATE	APPROVED

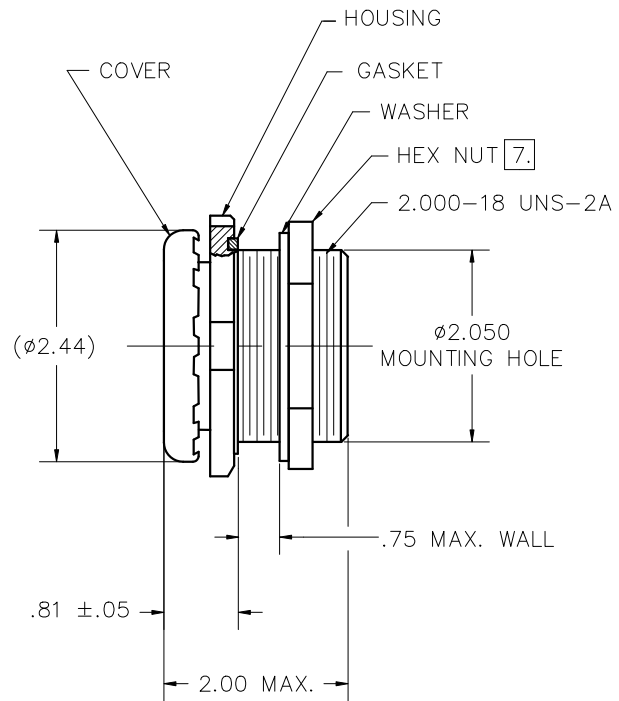
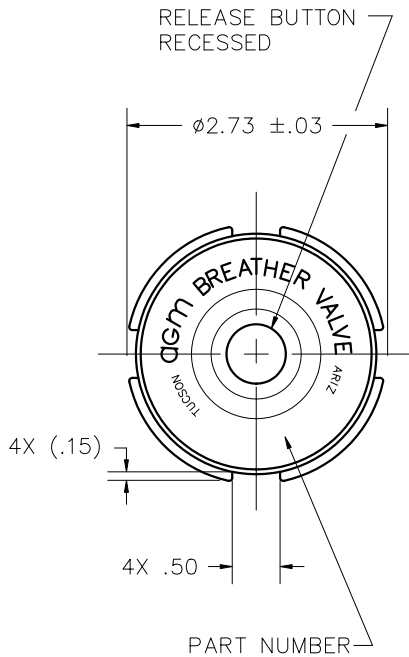
APPROVED
By Patrick M. Lane at 4:35 pm, Dec 01, 2017

NOTES UNLESS OTHERWISE SPECIFIED:

- NOMENCLATURE: VALVE, BREATHER, TWO-WAY RELIEF WITH MANUAL RELEASE BUTTON.
- APPLICABLE SPECIFICATION: SAE AS27166, TYPE III, WITH MODIFIED PERFORMANCE AS SHOWN IN TABLES ON SHEETS 2 AND 3.
- PERFORMANCE: SEE TABLES ON SHEETS 2 AND 3.
- MATERIALS:
 - HOUSING AND HEX NUT: ALUMINUM DIE CASTING IAW ASTM-B85 ALLOY SCII4A.
 - WASHER AND COVER: ALUMINUM ALLOY.
 - GASKET AND INTERNAL SEALS (NOT SHOWN): SILICONE RUBBER IAW A-A-59588.
- HOUSING, WASHER, AND HEX NUT FINISH: ANODIZE IAW MIL-A-8625, TYPE II, CLASS 1. (DARK COLOR DUE TO ALLOY).
- THE FOLLOWING ITEMS FURNISHED AS PART OF THIS ASSEMBLY MAY BE PURCHASED SEPARATELY:

P/N 500016-6	WASHER
500080	GASKET
770014-16	HEX NUT

[7.] RECOMMENDED INSTALLATION TORQUE: 80-90 IN-LBS.



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

				INTERPRET DIMENSIONS AND TOLERANCES IAW ASME Y14.5M-1994		CONTRACT		agm CONTAINER CONTROLS, INC. P.O. BOX 40020 - TUCSON, ARIZONA 85717-0020	
				UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		DRAWN		DATE	
				TOLERANCES:		M.ONTIVEROS		6-23-15	
				DECIMALS .XX ±.015		CHECK		E.ZUERCHER	
				ANGLES ±.5°		APPROVED		7-28-15	
				DO NOT SCALE DRAWING		E.ZUERCHER		7-28-15	
				FINISH		MANUFACTURING			
				[5.]		CUSTOMER			
PART DASH NO.	NEXT QTY. REQ'D PER ASSY.	FINAL	NEXT ASSY.	USED ON	SIMILAR TO	ACT. WT.	CALC. WT.	SIZE	FSCM NO.
								C	08992
APPLICATION							DWG. NO.		REV
							TA770-R		A
							SCALE 1/1		RELEASE DATE
							SHEET		1 OF 3

agm CONTAINER CONTROLS, INC. P.O. BOX 40020 - TUCSON, ARIZONA 85717-0020			
TITLE VALVE, BREATHER			
SIZE	FSCM NO.	DWG. NO.	REV
C	08992	TA770-R	A
SCALE 1/1		RELEASE DATE	SHEET 1 OF 3

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REVISIONS

ZONE	LTR.	DESCRIPTION	DATE	APPROVED

RESEAL VALVE PERFORMANCE

PART NUMBER	PRESSURE SIDE (FLOW OUT)			VACUUM SIDE (FLOW IN)		
	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)
TA770-001-001-R	0.00-0.10	N/R	5 BY 0.30	0.00-0.10	N/R	5 BY 0.30
TA770-025-025-R	0.25-0.75	0.25	21 BY 1.75	0.25-0.75	0.25	26 BY 1.75
TA770-025-10-R	0.25-0.75	0.25	20 BY 1.75	1.00-1.50	1.00	23 BY 2.50
TA770-025-15-R	0.25-0.75	0.25	20 BY 1.75	1.50-2.25	1.50	21 BY 3.00
TA770-05-05-R	0.50 -1.00	0.50	20 BY 2.00	0.50 -1.00	0.50	25 BY 2.00
TA770-05-10-R	0.50 -1.00	0.50	20 BY 2.00	1.00-1.50	1.00	23 BY 2.50
TA770-05-15-R	0.50 -1.00	0.50	20 BY 2.00	1.50-2.25	1.50	21 BY 3.00
TA770-05-20-R	0.50 -1.00	0.50	20 BY 2.00	2.00-3.00	2.00	19 BY 3.50
TA770-05-25-R	0.50 -1.00	0.50	20 BY 2.00	2.50-3.50	2.50	17 BY 4.00
TA770-05-30-R	0.50 -1.00	0.50	20 BY 2.00	3.00-4.00	3.00	15 BY 4.50
TA770-10-05-R	1.00-1.50	1.00	18 BY 2.50	0.50 -1.00	0.50	25 BY 2.00
TA770-10-10-R	1.00-1.50	1.00	18 BY 2.50	1.00-1.50	1.00	23 BY 2.50
TA770-10-15-R	1.00-1.50	1.00	18 BY 2.50	1.50-2.25	1.50	21 BY 3.00
TA770-10-20-R	1.00-1.50	1.00	18 BY 2.50	2.00-3.00	2.00	19 BY 3.50
TA770-10-25-R	1.00-1.50	1.00	18 BY 2.50	2.50-3.50	2.50	17 BY 4.00
TA770-10-30-R	1.00-1.50	1.00	18 BY 2.50	3.00-4.00	3.00	15 BY 4.50
TA770-10-50-R	1.00-1.50	1.00	18 BY 2.50	5.00-6.00	5.00	10 BY 8.50
TA770-15-05-R	1.50-2.25	1.50	16 BY 3.00	0.50 -1.00	0.50	25 BY 2.00
TA770-15-10-R	1.50-2.25	1.50	16 BY 3.00	1.00-1.50	1.00	23 BY 2.50
TA770-15-15-R	1.50-2.25	1.50	16 BY 3.00	1.50-2.25	1.50	21 BY 3.00
TA770-15-20-R	1.50-2.25	1.50	16 BY 3.00	2.00-3.00	2.00	19 BY 3.50
TA770-15-25-R	1.50-2.25	1.50	16 BY 3.00	2.50-3.50	2.50	17 BY 4.00
TA770-15-30-R	1.50-2.25	1.50	16 BY 3.00	3.00-4.00	3.00	15 BY 4.50
TA770-20-05-R	2.00-3.00	2.00	14 BY 3.50	0.50 -1.00	0.50	25 BY 2.00
TA770-20-10-R	2.00-3.00	2.00	14 BY 3.50	1.00-1.50	1.00	23 BY 2.50
TA770-20-15-R	2.00-3.00	2.00	14 BY 3.50	1.50-2.25	1.50	21 BY 3.00
TA770-20-20-R	2.00-3.00	2.00	14 BY 3.50	2.00-3.00	2.00	19 BY 3.50
TA770-20-25-R	2.00-3.00	2.00	14 BY 3.50	2.50-3.50	2.50	17 BY 4.00
TA770-20-30-R	2.00-3.00	2.00	14 BY 3.50	3.00-4.00	3.00	15 BY 4.50
TA770-25-05-R	2.50-3.50	2.50	12 BY 4.00	0.50 -1.00	0.50	25 BY 2.00
TA770-25-10-R	2.50-3.50	2.50	12 BY 4.00	1.00-1.50	1.00	23 BY 2.50
TA770-25-15-R	2.50-3.50	2.50	12 BY 4.00	1.50-2.25	1.50	21 BY 3.00
TA770-25-20-R	2.50-3.50	2.50	12 BY 4.00	2.00-3.00	2.00	19 BY 3.50
TA770-25-25-R	2.50-3.50	2.50	12 BY 4.00	2.50-3.50	2.50	17 BY 4.00
TA770-25-30-R	2.50-3.50	2.50	12 BY 4.00	3.00-4.00	3.00	15 BY 4.50

TABLE CONTINUED ON SHEET 3

SIZE C	FSCM NO. 08992	DWG. NO. TA770-R	REV A
SCALE NONE	SHEET 2		

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REVISIONS				
ZONE	LTR.	DESCRIPTION	DATE	APPROVED

TABLE CONTINUED FROM SHEET 2

RESEAL VALVE PERFORMANCE

PART NUMBER	PRESSURE SIDE (FLOW OUT)			VACUUM SIDE (FLOW IN)		
	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)
TA770-30-05-R	3.00-4.00	3.00	10 BY 4.50	0.50 -1.00	0.50	25 BY 2.00
TA770-30-10-R	3.00-4.00	3.00	10 BY 4.50	1.00-1.50	1.00	23 BY 2.50
TA770-30-15-R	3.00-4.00	3.00	10 BY 4.50	1.50-2.25	1.50	21 BY 3.00
TA770-30-20-R	3.00-4.00	3.00	10 BY 4.50	2.00-3.00	2.00	19 BY 3.50
TA770-30-25-R	3.00-4.00	3.00	10 BY 4.50	2.50-3.50	2.50	17 BY 4.00
TA770-30-30-R	3.00-4.00	3.00	10 BY 4.50	3.00-4.00	3.00	15 BY 4.50
TA770-35-05-R	3.50-4.50	3.50	8 BY 5.00	0.50 -1.00	0.50	25 BY 2.00
TA770-35-35-R	3.50-4.50	3.50	8 BY 5.00	3.50-4.50	3.50	10 BY 5.00
TA770-45-10-R	4.50-6.00	4.50	10 BY 7.50	1.00-1.50	1.00	23 BY 2.50
TA770-45-45-R	4.50-6.00	4.50	10 BY 7.50	4.50-6.00	4.50	10 BY 7.50
TA770-50-05-R	5.00-6.50	5.00	10 BY 8.50	0.50 -1.00	0.50	25 BY 2.00
TA770-50-10-R	5.00-6.50	5.00	10 BY 8.50	1.00-1.50	1.00	23 BY 2.50
TA770-50-35-R	5.00-6.50	5.00	10 BY 8.50	3.50-5.00	3.50	13 BY 5.50
TA770-50-50-R	5.00-6.50	5.00	10 BY 8.50	5.00-6.50	5.00	10 BY 8.50

CRACKING VALVE PERFORMANCE

PART NUMBER	PRESSURE SIDE (FLOW OUT)			VACUUM SIDE (FLOW IN)		
	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)
TA770-01C-01C-R	0.05-0.12	N/R	4 BY 0.40	0.05-0.12	N/R	4 BY 0.40
TA770-025C-025C-R	0.15-0.35	0.05	12 BY 0.75	0.15-0.35	0.05	14 BY 0.75
TA770-05C-05C-R	0.25-.075	0.10	20 BY 1.75	0.25-0.75	0.10	25 BY 1.75
TA770-075C-075C-R	0.50-1.00	0.25	20 BY 2.00	0.50-1.00	0.25	25 BY 2.00
TA770-10C-05C-R	0.75-1.25	0.50	20 BY 2.00	0.25-0.75	0.10	25 BY 2.00
TA770-10C-10C-R	0.75-1.25	0.50	20 BY 2.00	0.75-1.25	0.50	20 BY 2.00
TA770-12C-12C-R	0.95-1.45	0.70	18 BY 2.20	0.95-1.45	0.70	23 BY 2.20
TA770-13C-13C-R	1.10-1.50	0.80	20 BY 2.80	1.10-1.50	0.80	20 BY 2.80
TA770-15C-15C-R	1.30-1.70	1.00	20 BY 3.00	1.30-1.70	1.00	20 BY 3.00
TA770-15C-30C-R	1.30-1.70	1.00	20 BY 3.00	2.70-3.30	2.50	15 BY 4.50
TA770-20C-20C-R	1.75-2.25	1.50	16 BY 3.00	1.75-2.25	1.50	21 BY 3.00
TA770-25C-25C-R	2.25-2.75	1.75	14 BY 3.50	2.25-2.75	1.75	19 BY 3.50
TA770-30C-30C-R	2.70-3.30	2.50	10 BY 4.50	2.70-3.30	2.50	15 BY 4.50
TA770-30C-45C-R	2.70-3.30	2.50	10 BY 4.50	4.00-5.00	3.50	10 BY 6.00
TA770-50C-20C-R	4.50-5.20	3.50	10.5 BY 7.00	1.75-2.25	1.50	21 BY 3.00
TA770-50C-50C-R	4.50-5.20	3.50	10.5 BY 7.00	4.50-5.20	3.50	10.5 BY 7.00

SIZE C	FSCM NO. 08992	DWG. NO. TA770-R	REV A
SCALE NONE	SHEET 3		

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