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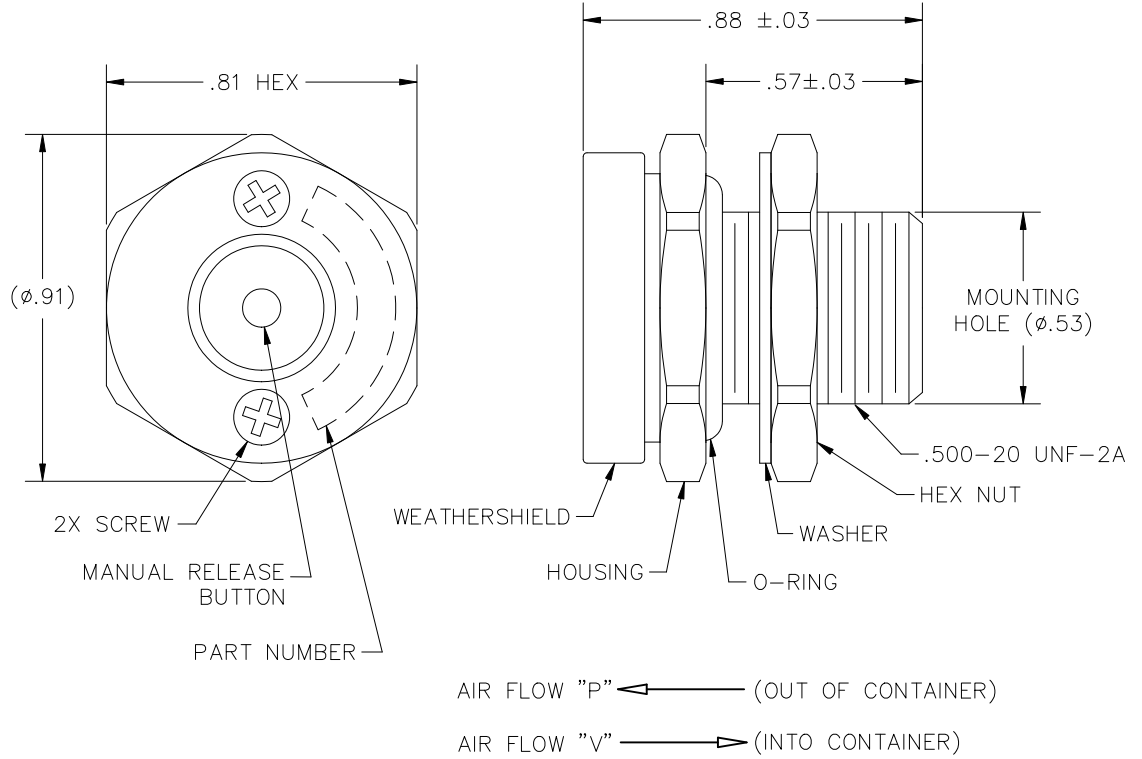
REVISIONS				
ZONE	LTR.	DESCRIPTION	DATE	APPROVED

APPROVED
By Eric Zuercher at 12:12 pm, Apr 26, 2021

NOTES UNLESS OTHERWISE SPECIFIED:

1. NOMENCLATURE: VALVE, BREATHER, TWO WAY RELIEF WITH MANUAL RELEASE BUTTON.
2. PERFORMANCE: SEE TABLES ON SHEET 2 AND 3..
3. MATERIALS:
 - 3.1 WEATHERSHIELD, HOUSING, WASHER, AND HEX NUT: ALUMINUM ALLOY.
 - 3.2 SCREW AND MANUAL RELEASE BUTTON: CRES.
 - 3.3 O-RING: MS28775-112.
4. FINISH: WEATHERSHIELD, HOUSING, WASHER, AND HEX NUT: ANODIZED IAW MIL-A-8625, TYPE II, CLASS 1. HOUSING ADDITIONALLY CLEAR TEFLON COATED.
5. THE FOLLOWING ITEMS FURNISHED AS PART OF THE ASSEMBLY MAY BE PURCHASED SEPARATELY:

P/N	225010-16	HEX NUT
	225011-16	WASHER
	MS28775-112	O-RING
6. SUGGESTED INSTALLATION TORQUE IS 25 ±5 IN-LBS.



				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		TITLE	
				TOLERANCES:		M.ONTIVEROS		3-2-16		BREATHER VALVE	
				DECIMALS .XX ±.015		CHECK		R.FOREE		9-13-16	
				ANGLES ±.5°		APPROVED		R.FOREE		9-13-16	
				DO NOT SCALE DRAWING		MANUFACTURING				SIZE C	
				FINISH		CUSTOMER				FSCM NO. 08992	
				4.						DWG. NO. TA225-R	
PART DASH NO.		NEXT FINAL		NEXT ASSY.		SIMILAR TO		ACT. WT. CALC. WT.		REV A	
		QTY. REQ'D PER ASSY.		APPLICATION		4.				SCALE 4/1	
										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	RESEAL PRESSURE AFTER CRACK, MIN	MINIMUM FLOW RATE (SLPM BY PSID)	CRACKING PRESSURE RANGE (PSID)	RESEAL PRESSURE AFTER CRACK, MIN	MINIMUM FLOW RATE (SLPM BY PSID)
TA225-05-05-R	0.50-1.00	0.50	9 BY 2.00	0.50-1.00	0.50	17 BY 2.00
TA225-05-10-R	0.50-1.00	0.50	9 BY 2.00	1.00-1.50	1.00	28 BY 2.50
TA225-05-15-R	0.50-1.00	0.50	9 BY 2.00	1.50-2.00	1.50	25 BY 3.00
TA225-05-20-R	0.50-1.00	0.50	9 BY 2.00	2.00-3.00	2.00	15 BY 3.50
TA225-05-25-R	0.50-1.00	0.50	9 BY 2.00	2.50-3.50	2.50	30 BY 4.00
TA225-10-10-R	1.00-1.50	1.00	11 BY 2.50	1.00-1.50	1.00	28 BY 2.50
TA225-10-15-R	1.00-1.50	1.00	11 BY 2.50	1.50-2.00	1.50	25 BY 3.00
TA225-10-20-R	1.00-1.50	1.00	11 BY 2.50	2.00-3.00	2.00	15 BY 3.50
TA225-10-25-R	1.00-1.50	1.00	11 BY 2.50	2.50-3.50	2.50	30 BY 4.00
TA225-10-30-R	1.00-1.50	1.00	11 BY 2.50	3.00-4.00	3.00	30 BY 4.50
TA225-15-15-R	1.50-2.00	1.50	18 BY 3.00	1.50-2.00	1.50	25 BY 3.00
TA225-15-20-R	1.50-2.00	1.50	18 BY 3.00	2.00-3.00	2.00	15 BY 3.50
TA225-15-25-R	1.50-2.00	1.50	18 BY 3.00	2.50-3.50	2.50	30 BY 4.00
TA225-15-30-R	1.50-2.00	1.50	18 BY 3.00	3.00-4.00	3.00	30 BY 4.50
TA225-15-35-R	1.50-2.00	1.50	18 BY 3.00	3.50-4.50	3.50	30 BY 5.00
TA225-20-20-R	2.00-3.00	2.00	8 BY 3.50	2.00-3.00	2.00	15 BY 3.50
TA225-20-25-R	2.00-3.00	2.00	8 BY 3.50	2.50-3.50	2.50	30 BY 4.00
TA225-20-30-R	2.00-3.00	2.00	8 BY 3.50	3.00-4.00	3.00	30 BY 4.50
TA225-20-35-R	2.00-3.00	2.00	8 BY 3.50	3.50-4.50	3.50	30 BY 5.00
TA225-20-40-R	2.00-3.00	2.00	8 BY 3.50	4.00-5.00	4.00	30 BY 5.50
TA225-25-25-R	2.50-3.50	2.50	10 BY 4.00	2.50-3.50	2.50	30 BY 4.00
TA225-25-30-R	2.50-3.50	2.50	10 BY 4.00	3.00-4.00	3.00	30 BY 4.50
TA225-25-35-R	2.50-3.50	2.50	10 BY 4.00	3.50-4.50	3.50	30 BY 5.00
TA225-25-40-R	2.50-3.50	2.50	10 BY 4.00	4.00-5.00	4.00	30 BY 5.50

TABLE CONTINUED ON SHEET 3

SIZE C	FSCM NO. 08992	DWG. NO. TA225-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	RESEAL PRESSURE AFTER CRACK, MIN	MINIMUM FLOW RATE (SLPM BY PSID)	CRACKING PRESSURE RANGE (PSID)	RESEAL PRESSURE AFTER CRACK, MIN	MINIMUM FLOW RATE (SLPM BY PSID)
TA225-25-45-R	2.50-3.50	2.50	10 BY 4.00	4.50-5.50	4.50	30 BY 6.00
TA225-30-30-R	3.00-4.00	3.00	6 BY 4.50	3.00-4.00	3.00	30 BY 4.50
TA225-30-35-R	3.00-4.00	3.00	6 BY 4.50	3.50-4.50	3.50	30 BY 5.00
TA225-30-40-R	3.00-4.00	3.00	6 BY 4.50	4.00-5.00	4.00	30 BY 5.50
TA225-30-45-R	3.00-4.00	3.00	6 BY 4.50	4.50-5.50	4.50	30 BY 6.00
TA225-30-50-R	3.00-4.00	3.00	6 BY 4.50	5.00-6.00	5.00	30 BY 6.50
TA225-35-35-R	3.50-4.50	3.50	6 BY 5.00	3.50-4.50	3.50	30 BY 5.00
TA225-35-40-R	3.50-4.50	3.50	6 BY 5.00	4.00-5.00	4.00	30 BY 5.50
TA225-35-45-R	3.50-4.50	3.50	6 BY 5.00	4.50-5.50	4.50	30 BY 6.00
TA225-35-50-R	3.50-4.50	3.50	6 BY 5.00	5.00-6.00	5.00	30 BY 6.50
TA225-40-40-R	4.00-5.00	4.00	6 BY 5.50	4.00-5.00	4.00	30 BY 5.50
TA225-40-45-R	4.00-5.00	4.00	6 BY 5.50	4.50-5.50	4.50	30 BY 6.00
TA225-40-50-R	4.00-5.00	4.00	6 BY 5.50	5.00-6.00	5.00	30 BY 6.50
TA225-45-45-R	4.50-5.50	4.50	6 BY 6.00	4.50-5.50	4.50	30 BY 6.00
TA225-45-50-R	4.50-5.50	4.50	6 BY 6.00	5.00-6.00	5.00	30 BY 6.50
TA225-50-50-R	5.00-6.00	5.00	8 BY 6.50	5.00-6.00	5.00	30 BY 6.50

CRACKING VALVE PERFORMANCE

PART NUMBER	PRESSURE SIDE (FLOW OUT)			VACUUM SIDE (FLOW IN)		
	CRACKING PRESSURE RANGE	RESEAL PRESSURE AFTER CRACK, MIN	MINIMUM FLOW RATE (SLPM BY PSID)	CRACKING PRESSURE RANGE (PSID)	RESEAL PRESSURE AFTER CRACK, MIN	MINIMUM FLOW RATE (SLPM BY PSID)
TA225-025C-025C-R	0.10-0.40	0.10	13 BY 1.75	0.10-0.40	0.10	20 BY 1.75
TA225-10C-10C-R	0.75-1.25	0.50	11 BY 2.50	0.75-1.25	0.50	28 BY 2.50

SIZE C	FSCM NO. 08992	DWG. NO. TA225-R	REV A
SCALE NONE	SHEET 3		

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