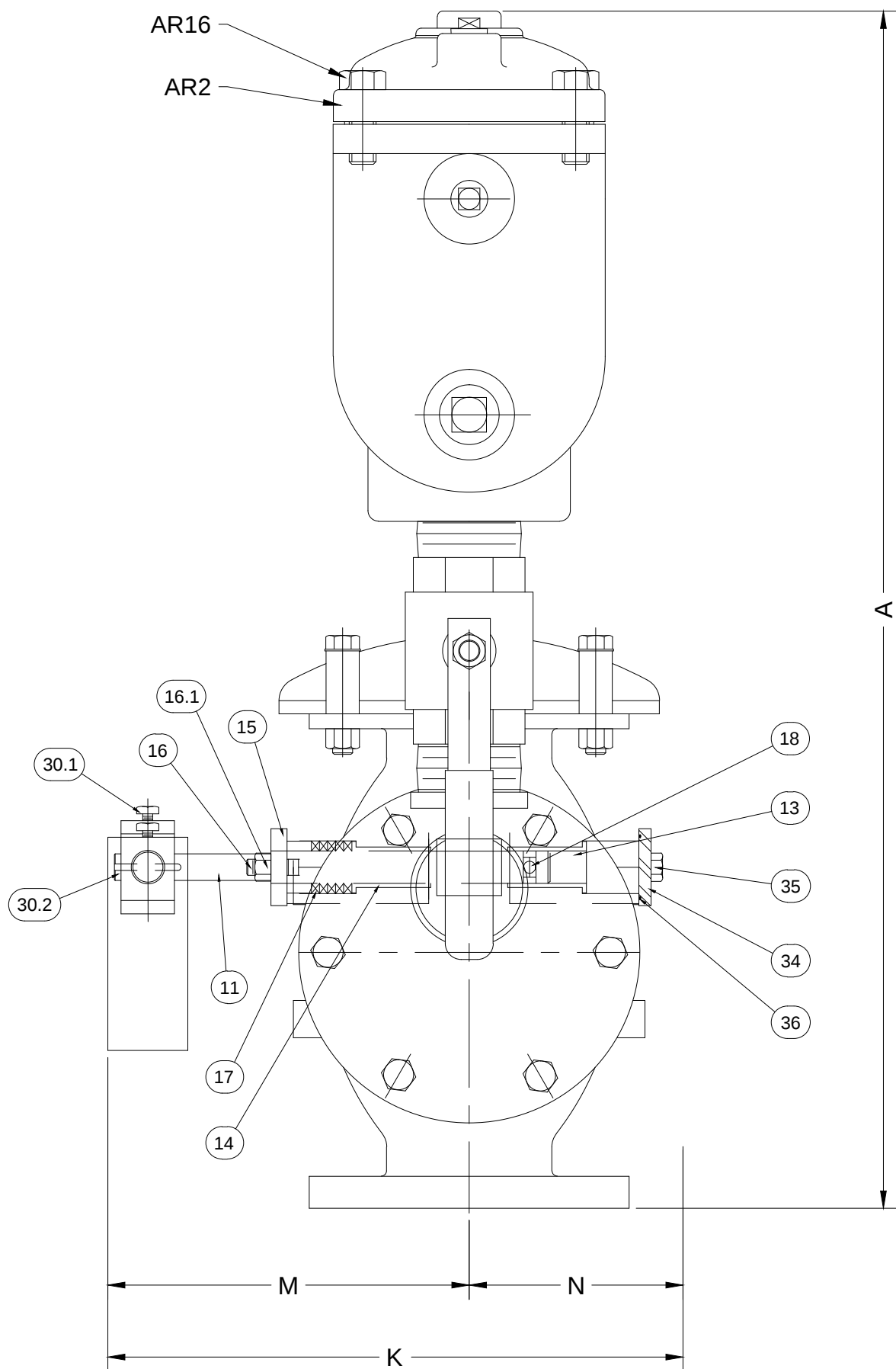
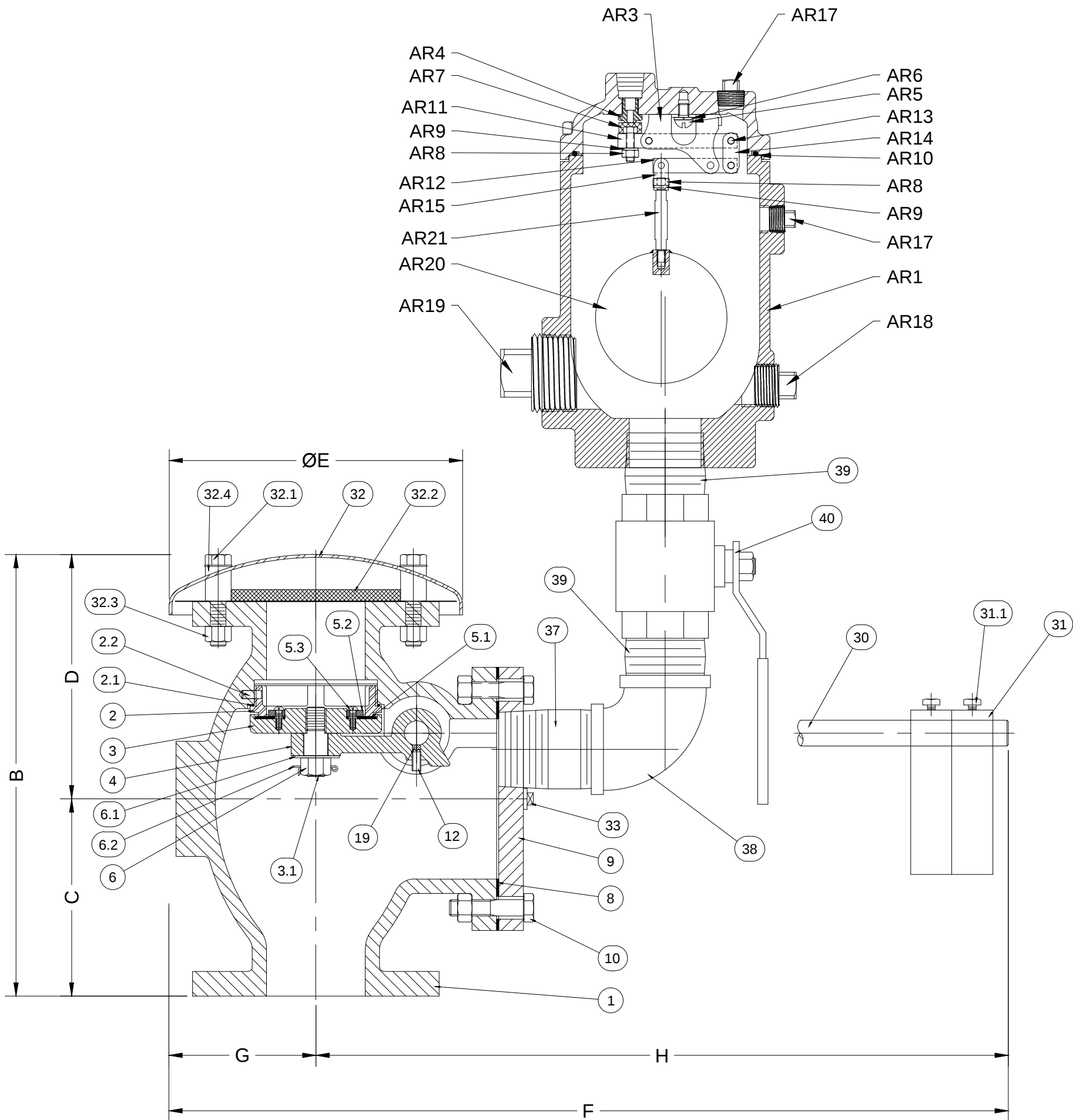


DIMENSIONS											
VALVE SIZE	A	B	C	D	E	F	G	H	K	M	N
3"	27	16	6	10	8	20.75	4.25	16.5	16.5	11.5	5
4"	28	17.5	6.5	11	10	22.5	5	17.5	17.75	11.75	6
6"	31.25	22.5	8.75	13.75	12	26.5	6	20.5	20.75	13.25	7.5
8"	32.75	23.5	9	14.5	14	29.63	7.13	22.5	23	15	8
10"	36	30	11.5	18.5	18	32.5	9	23.5	26.75	16.75	10
12"	39.75	36	14	22	20	45.5	10.5	35	30.25	18.5	11.75
14"	47	41	16.5	24.5	22	49.5	12.25	37.25	38.5	23.5	15
16"	48.75	45.25	18	27.25	24	52	13.75	38.25	43	27.5	15.5
18"	51	49.5	20	29.5	26	56	17.25	38.75	45.25	28	17.25
20"	51	49.5	20	29.5	28	56	17.25	38.75	45.25	28	17.25

PARTS LIST											
NO.	DESCRIPTION	NO.	DESCRIPTION	NO.	DESCRIPTION	NO.	DESCRIPTION	NO.	DESCRIPTION	NO.	DESCRIPTION
1	BODY	6.2	DISC NUT PIN	18	SHAFT LOCK PIN	33	COVER PLUG	AIR RELEASE VALVE PARTS		AR12	FLOAT ARM
2	SEAT	8	COVER GASKET	19	DISC ARM KEY	34	BLIND GLAND	AR1	BODY	AR13	PIVOT PIN
2.1	SEAT O-RING	9	COVER	30	COUNTERWEIGHT ARM	35	BLIND GLAND SCREWS	AR2	COVER	AR14	LINK
2.2	SEAT PINS	10	COVER BOLTS & NUTS	30.1	CWT. ARM SET SCREW	36	BLIND GLAND SEAL	AR3	LEVER BRACKET	AR15	FLOAT PIVOT LINK
3	DISC	11	SHAFT	30.2	CWT. ARM KEY	37	SHORT NIPPLE	AR4	ORIFICE	AR16	COVER BOLTS
3.1	DISC CENTER PIN	12	DISC ARM SET SCREW	31	COUNTERWEIGHT	38	ELBOW	AR5	LEVER BRACKET SCREWS	AR17	1/2" PIPE PLUG
4	DISC ARM	13	BUSHING	31.1	SWT. SET SCREWS	39	CLOSE NIPPLE	AR6	LEVER BRACKET LOCKWASHER	AR18	1" PIPE PLUG
5.1	RENEWABLE SEAT	14	BUSHING	32	COWL	40	BALL VALVE	AR7	ORIFICE BUTTON	AR19	2" PIPE PLUG
5.2	SEAT FOLLOWER	15	GLAND	32.1	COWL BOLTS			AR8	HEX NUT	AR20	FLOAT BALL
5.3	SEAT SCREWS	16	GLAND STUDS	32.2	SCREEN			AR9	LOCKWASHER	AR21	FLOAT ROD
6	DISC NUT	16.1	GLAND STUD NUTS	32.3	COWL NUTS			AR10	COVER SEAL		
6.1	DISC NUT WASHER	17	GLAND PACKING	32.4	COWL WASHERS			AR11	LEVER ARM		



NOTES:
1. PART NO. 2, THREADED SEAT ON 3" VALVE ONLY
PART NO. 2.1 & 2.2 NOT PRESENT
2. PART NO. 10 COVER NUTS ON 14" & 16" ONLY

REV.	A	REDRAWN IN AUTOCAD	04-06-2017	DAK
		DESCRIPTION	DATE	BY

* DIMENSIONS IN INCHES
STANDARD TOLERANCES (UNLESS OTHERWISE NOTED)
X = ±.1
XX = ±.01
XXX = ±.005
FRACTIONS = ±1/64
ANGLES = ±1°
DRAFTS: 3" MAX
PER ANSI Y14.5M GD&T -3/32 FLATNESS, ROUNDNESS, POSITION

GA INDUSTRIES, LLC
3" - 20" COMBINATION AIR RELEASE AND VACUUM RELIEF VALVE

SERIAL NO.	FIG. NUMBER	993	DRAWN BY	DAK
DATE	09-26-1998	APPR. BY	JT	SCALE
REFERENCES	FILE	ECAV	DRAWING NO.	ECV-7216
			REV.	A

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