



FLANGE DATA	
FLANGE DIAMETER	10.00 in.
FLANGE THICKNESS	1.25 in.
BOLT CIRCLE DIAMETER	7.88 in.
NUMBER OF BOLT HOLES	8
BOLT HOLE DIAMETER	0.88 in.

ORIFICE DATA	
DIAMETER	WORKING PRESSURE
1/4	20-150 PSIG
1/8	151-300 PSIG

- NOTES:
1. INLET SIZE: 4" CLASS 300 FLANGED
OUTLET SIZE: 4" NPT
APPROXIMATE WEIGHT: 169 lbs
 2. VALVE WILL BE COATED INTERNALLY
AND EXTERNALLY IN ACCORDANCE
WITH ORDER REQUIREMENTS

REV.	DESCRIPTION	DATE	APPROVED
3	REDRAWN IN SOLIDWORKS		
2	REMOVED ADJUSTMENT PLATE AND BOLT	4-18-17	BJL
1	ELIMINATE 31A, CHG'D BOLTS / NUTS TO STEEL	9-2-99	BJL

PROPRIETARY AND CONFIDENTIAL
THE INFORMATION CONTAINED IN THIS
DRAWING IS THE SOLE PROPERTY OF
CRISPIN VALVE. ANY REPRODUCTION IN
PART OR AS A WHOLE WITHOUT THE
WRITTEN PERMISSION OF CRISPIN VALVE IS
PROHIBITED.

PARTS LIST				
ITEM NO.	PART NUMBER	DESCRIPTION	MATERIAL	QTY.
1	5-1S	TOP	DUCTILE IRON	1
2	29-2L	COVER FLANGE	DUCTILE IRON	1
3	29-3LFH	BODY	DUCTILE IRON	1
4	5-5	AIR / VAC SEAT	BUNA-N RUBBER	1
5	27-4S	AIR / VAC FULCRUM	STAINLESS STEEL	1
6	29-6S	VALVE LEVER	STAINLESS STEEL	1
7	28-7S	LINK	STAINLESS STEEL	2
8	29-10S	FLOAT FULCRUM	STAINLESS STEEL	1
9	28-8S	FLOAT LEVER	STAINLESS STEEL	1
10	28-9A	FLOAT ROD	STAINLESS STEEL	1
11	29-9	FLOAT	STAINLESS STEEL	1
12	13-4N	VALVE PLUNGER	BUNA-N & S/S	1
13	LW.25	LOCK WASHER	STAINLESS STEEL	1
14	FJHN.25-28	PLUNGER NUT	STAINLESS STEEL	1
15	29-15	PRESSURE SEAT	STAINLESS STEEL	1
16	29-5-16S	PRESSURE FULCRUM	STAINLESS STEEL	1
17	29-17S	SEAT CAGE	STAINLESS STEEL	1
18	13-11R	BEARING PIN	STAINLESS STEEL	2
19	13-12R	BEARING PIN	STAINLESS STEEL	3
20	26-11S	BEARING PIN	STAINLESS STEEL	1
21	27-11S	BEARING PIN	STAINLESS STEEL	1
22	18-7A	COTTER PIN	STAINLESS STEEL	7
23	28-21S	PRESSURE LIMIT STOP	STAINLESS STEEL	1
24	HHCS.5X2.0	AIR / VAC FULCRUM BOLT	STAINLESS STEEL	1
25	FHN.5-13	AIR / VAC FULCRUM NUT	STEEL	1
26	FHN.375-16	FLOAT FULCRUM NUT	STEEL	1
27	13-26	FULCRUM WASHER	FIBER	1
28	27-31S	FULCRUM WASHER	FIBER	2
29	29-32	COVER GASKET	ARMSTRONG	1
30	HHCS.625X3	COVER BOLT	STEEL	12
31	FHN.625-11	COVER NUT	STEEL	12
32	HHCS.625X3.25	LUG BOLT	STEEL	1
33	EN.625-11	EYE NUT	STEEL	1
34	27-29	FLANGE PLUG (N.S.)	BRASS	1
35	PLG.5	BODY PLUG	BRASS	1

UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES XX DIMENSIONS ±.1 XXX DIMENSIONS ±.01 XXX DIMENSIONS ±.005 DRILLED HOLES ±.01 ANGLES ±.1 CONCENTRIC DIAMETERS SEE BELOW MACHINED TO CAST .005 TIR MACHINED SURFACES .125 RMS BEHOLD SURFACES B-BEAR SHARP EDGES		NAME	DATE
DRAWN	DJF	11-14-24	
CHECKED	-	-	
ENG APPR.	-	-	
MFG APPR.	-	-	
Q.A.	-	-	
MATERIAL:	FILE LOCATION: \\S2\1\drawings\ASSEMBLY\UAV\		
FINISH:	FILE NAME: UL43.r3		

CRISPIN VALVES

TITLE:
4" CL. 300 UNIVERSAL
PRESSURE AIR RELEASE
VALVE

SIZE	DWG. NO.	REV
B	UL43	3
SCALE: 0.31:1	WT: LB	SHEET 1 OF 1