



**NOTES:**

1. INLET SIZE: 4" NPT  
OUTLET SIZE: 4" NPT
2. APPROXIMATE WEIGHT: 162 lbs
3. VALVE WILL BE COATED EXTERNALLY WITH PHENOLIC ALKYD PRIMER

ORIFICE DATA		3	REDRAWN IN SOLIDWORKS	10-31-19	
DIAMETER	MAXIMUM WORKING PRESSURE	2	REMOVED ADJUSTMENT PLATE AND BOLT	4-18-17	BJL
1/4	150 PSIG	1	ELIMINATE 31A, CHG'D BOLTS / NUTS TO STEEL	9-2-99	BJL
3/16	250 PSIG	REV.	DESCRIPTION	DATE	APPROVED
1/8	300 PSIG				

REVISIONS

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.

DO NOT SCALE DRAWING

PARTS LIST

ITEM NO.	PART NUMBER	DESCRIPTION	MATERIAL	QTY.
1	5-1S	TOP	DUCTILE IRON	1
2	29-2LUS	COVER FLANGE	DUCTILE IRON	1
3	29-3LFUS	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	JFHN.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	27-11S	BEARING PIN	STAINLESS STEEL	1
19	26-11S	BEARING PIN	STAINLESS STEEL	1
20	13-11R	BEARING PIN	STAINLESS STEEL	2
21	13-12R	BEARING PIN	STAINLESS STEEL	3
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.625X3.00	COVER BOLT	STAINLESS STEEL	11
31	FHN.625-11	COVER NUT	STEEL	11
32	HHCS.625X3.25	LUG BOLT	STEEL	2
33	EN.625-11	EYE NUT	STEEL	2
34	27-29	FLANGE PLUG (N.S.)	BRASS	1
35	PLG.5	BODY PLUG	BRASS	1

UNLESS OTHERWISE SPECIFIED:		NAME	DATE
DIMENSIONS ARE IN INCHES		DRAWN	DJF 10-31-19
XX DIMENSIONS	±.1	CHECKED	- -
XXX DIMENSIONS	±.01	ENG APPR.	- -
XXXX DIMENSIONS	±.005	MFG APPR.	- -
DRILLED HOLES	±.01	Q.A.	- -
ANGLES	±.1°	FILE LOCATION:	\\s2\s1\drawings\ASSEMBLY\UAV\
CONCENTRIC DIAMETERS	SEE BELOW	FILE NAME:	UL40 8275783 r3
MACHINED	008 TIR		
MACHINED TO CAST	02 TIR		
MACHINED SURFACES	125 RMS		
BEVEL FIDERS			
BREAK SHARP EDGES			
MATERIAL:			
FINISH:			

**CRISPIN VALVES**  
TITLE:  
4" UNIVERSAL PRESSURE AIR  
RELEASE VALVE

SIZE	DWG. NO.	REV
<b>B</b>	UL40 8275783	3
SCALE: 0.38:1	WT: LB	SHEET 1 OF 1