



VACUUM RELIEF VALVE PARTS LIST				
ITEM NO.	PART NUMBER	DESCRIPTION	MATERIAL	QTY.
1	VR-20H	HOOD ASSY.	STEEL	1
2	SD.313-18X7.50	HOOD STUD	STEEL	4
3	FLG FHN.312-18	FLANGED NUT	STEEL	4
4	2020-1F	BODY	DUCTILE IRON	1
5	2020-2R	RESILIENT SEAT RING	BUNA-N & S/S	1
6	2020-3	DISC	AL-BRONZE	1
7	2020-4	SPRING	STAINLESS STEEL	1
8	2020-5	BUSHING	STAINLESS STEEL	1
9	SHCS.25X.75	SCREW	STAINLESS STEEL	8
10	2020-8	RETAINING RING	STAINLESS STEEL	1
11	2020-30A	DISC SHAFT	STAINLESS STEEL	1
12	2020-30B	SEAT SHAFT	STAINLESS STEEL	1
13	FHN1.25-7	SHAFT NUT	STAINLESS STEEL	1
14	2020-9-HD	HOOD FLANGE	DUCTILE IRON	1
15	HHCS1.125-7X4.75	FLANGE BOLT	STEEL	20
16	FHN1.125-7	FLANGE NUT	STEEL	20
17	2020-24	FLANGE GASKET	ARMSTRONG	1

FLANGE DATA	
FLANGE DIAMETER	27.50 in.
FLANGE THICKNESS	1.69 in.
BOLT CIRCLE DIAMETER	25.00 in.
NUMBER OF BOLT HOLES	20
BOLT HOLE DIAMETER	1.25 in.

- NOTES:
- INLET SIZE: 20" CLASS 150 FLANGE
OUTLET SIZE: 20" HOODED
 - APPROXIMATE WEIGHT: 1034 lbs
 - VALVE WILL BE COATED EXTERNALLY WITH PHENOLIC ALKYD PRIMER

REV.	DESCRIPTION	DATE	APPROVED
1	REDRAWN IN SOLIDWORKS	11-16-20	

REVISIONS			
NO.	DESCRIPTION	DATE	APPROVED
1	REDRAWN IN SOLIDWORKS	11-16-20	

UNLESS OTHERWISE SPECIFIED:		NAME	DATE
DIMENSIONS ARE IN INCHES		DJF	11-16-20
XX DIMENSIONS	±.1	CHECKED	-
XXX DIMENSIONS	±.01	ENG APPR.	-
XXXX DIMENSIONS	±.005	MFG APPR.	-
DRILLED HOLES	±.01	Q.A.	-
ANGLES	±.1°		
CONCENTRIC DIAMETERS	SEE BELOW		
MACHINED	008 TIR		
MACHINED TO CAST	02 TIR		
MACHINED SURFACES	125 RMS		
	REMOVE BURRS		
	BREAK SHARP EDGES		
MATERIAL:	FILE LOCATION:		
	\\S2\sl1\Drawings\ASSEMBLY\VR\		
FINISH:	FILE NAME: VR201.r1		

CRISPIN VALVES		
TITLE:		
20" CLASS 150, VACUUM RELIEF VALVE		
SIZE	DWG. NO.	REV
B	VR201	1
SCALE: 0.25:1	WT: LB	SHEET 1 OF 1

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