



VACUUM RELIEF VALVE PARTS LIST				
ITEM NO.	PART NUMBER	DESCRIPTION	MATERIAL	QTY.
1	VR-16H	HOOD ASSY.	STEEL	1
2	SD.375X7.75	HOOD STUD	STEEL	4
3	FLG.FHN.375-16	FLANGED NUT	STEEL	4
4	1616-1F	BODY	DUCTILE IRON	1
5	1616-2R	RESILIENT SEAT RING	BUNA-N & S/S	1
6	1616-3	DISC	STAINLESS STEEL	1
7	1616-4	SPRING	STAINLESS STEEL	1
8	1616-5	BUSHING	STAINLESS STEEL	1
9	BHCS.25X.50	SCREW	STAINLESS STEEL	2
10	1616-8	RETAINING RING	STAINLESS STEEL	1
11	1616-30	SHAFT	STAINLESS STEEL	1
12	1616-9-HD	HOOD FLANGE	DUCTILE IRON	1
13	HHCS1X4.5	FLANGE BOLT	STEEL	16
14	FHN1-8	COVER NUT	STEEL	16
15	1616-24	FLANGE GASKET	ARMSTRONG	1

FLANGE DATA	
FLANGE DIAMETER	23.50 in.
FLANGE THICKNESS	1.44 in.
BOLT CIRCLE DIAMETER	21.25 in.
NUMBER OF BOLT HOLES	16
BOLT HOLE DIAMETER	1.12 in.

- NOTES:
- INLET SIZE: 16" CLASS 150 FLANGE  
OUTLET SIZE: 16" HOODED
  - APPROXIMATE WEIGHT: 625 lbs
  - VALVE WILL BE COATED EXTERNALLY WITH PHENOLIC ALKYD PRIMER

REV.	DESCRIPTION	DATE	APPROVED
1	REDRAWN IN SOLIDWORKS	2-18-20	

UNLESS OTHERWISE SPECIFIED:		NAME	DATE
DIMENSIONS ARE IN INCHES		DRAWN	2-18-20
XX DIMENSIONS	±.1	DJF	
XXX DIMENSIONS	±.01	CHECKED	-
XXXX DIMENSIONS	±.005	ENG APPR.	-
DRILLED HOLES	±.01	MFG APPR.	-
ANGLES	±1°	Q.A.	-
CONCENTRIC DIAMETERS	SEE BELOW	FILE LOCATION:	
MACHINED	008 TIR	\\S2\sl1\Drawings\ASSEMBLY\VR\	
MACHINED TO CAST	02 TIR	FILE NAME: VR161.r1	
MACHINED SURFACES	125 RMS		
REMOVE BURRS			
BREAK SHARP EDGES			
MATERIAL:	PER BOM		
FINISH:			

REVISIONS		
<b>CRISPIN VALVES</b>		
TITLE:		
16" CLASS 150, VACUUM RELIEF VALVE		
SIZE	DWG. NO.	REV
<b>B</b>	VR161	1
SCALE: 0.25:1	WT: 668.08 LB	SHEET 1 OF 1

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DO NOT SCALE DRAWING