



MARK	SIZE	SERVICE	GENERAL NOTES
NOZZLE SCHEDULE			1-BOLT CIRCLES & O.D. OF ALL SPLIT LOOSE FLANGES IN ACCORDANCE WITH ANSI B16.5 SERIES 150 LBS. EXCEPT AS NOTED 2-ALL DIMENSIONS ARE STEEL TO STEEL, AND ARE NOMINAL DUE TO HIGH TEMP. FIRING. 3-DESIGNED AND CONSTRUCTED IN ACCORDANCE WITH ASME CODE, SEC VIII, DIV. I, LATEST ADDENDA. 4-ELECTROSTATIC TESTS 20,000 VOLTS AT FACTORY, 6000 VOLTS IN FIELD. 5-ALL NOZZLES SUPPLIED WITH SPLIT LOOSE FLANGE, EXCEPT WHERE NOTED. 6-DUE TO CUSTOMERS STEEL WORK NAME PLATES MUST BE LOCATED AS INDICATED.
A	3"	VAPOR INLET	
B	12"	VAPOR OUTLET W/ 3" RED. FLG.	
C	3"	REFLUX W/ 1" RED. FLG.	
D	3"	OUTLET W/ 1" RED. FLG.	
E	12"	W/ 6" RED. FLG. & SIGHT GLASS	
F	6"	SIGHT GLASS	
G	6"	SIGHT GLASS	
H	6"	SIGHT GLASS	

ATTACHMENTS		
R	—	NAMEPLATE SUPPORT BRAC.
S	—	LIFTING LUGS (SHELL)
T	—	LIFTING LUGS (HEAD)
IR	—	REMOVABLE INS. RINGS ON SECTION 2 — 1 RING (TOP) SECTION 3 — 2 RINGS SECTION 4 — 1 RING (BOTTOM) PER DETAIL IR.
SL	—	SIDE SUPPORT LUGS PER DETAIL SL (2) SECT. 3

ACCESSORIES		
B1	—	12" x 3" G/L REDUCING FLANGE (BLUE GLASS)
E1	—	12" x 6" G/L REDUCING FLANGE (BLUE GLASS)
E2	—	6" SIGHT GLASS ASSEMBLY
F1	—	6" SIGHT GLASS ASSEMBLY
G1	—	6" SIGHT GLASS ASSEMBLY
H1	—	6" SIGHT GLASS ASSEMBLY
C1	—	3" x 1" G/L RED. FLG.
D	—	12" G/L DONUT/SUPPORT (2) (BLUE GLASS)
D1	—	3" x 1" G/L RED. FLG.
SR	—	PTFE SUPPORT RING (2) PER DETAIL-SR

MATERIALS OF CONSTRUCTION		
VESSEL HEAD	—	SA 284 WPB
VESSEL SHELL	—	SA-106 B
NOZZLES	—	SA 181 CL 60
FLANGES	—	SA 181 CL 60 OR SA 516-60
BACK UP FLANGES	—	SA 105
GASKETS	—	TYPE AFI, PTFE ENVELOPE WITH COMPRESSIBLE STAINLESS STEEL INSERTS AND NON-ASBESTOS FILLERS.
GLASS	—	NO. 3009W, WHITE ACID/ALKALI/THERMAL SHOCK RESISTANT. 3009 BLUE GLASS
PLUGS	—	IF REQUIRED TANTALUM/PTFE/FURAN-RESIN. PLUG FREE
PAINT	—	PRIMER: ZINC-RICH EPOXY BOUND. FINISH: GRAY, EPOXY ENAMEL
LIFTING LUGS	—	SA 285 B
BOLTS (when req'd.)	—	SA 193-B7
NUTS	—	SA-194-2H

SPECIFICATIONS		
DESIGN PRESSURE	100 PSIG	F.V.
TEST PRESSURE	110 PSIG	
DESIGN TEMPERATURE	450°F	
MINI. DESIGN TEMP.	-20°F	
CORROSION ALLOW.	NONE	
RADIOGRAPH	NONE	
HEAT TREATMENT	YES	
ASME STAMP & N.B. REG.	YES	
VOL-TOTAL	≈	70 GAL.
WEIGHT EMPTY		1400 LBS

VESSEL HEADS:
 ICR = 10 1/2" ID = 12"
 IKR = 2"
 SF = 2 3/8"
 MIN. THK. = 3/8"

REV	DESCRIPTION	ENGR.	DATE	BY
D	REV. BOLTING & NUT GRADINGS			
C	ADD SUPPORT RING DETAIL-SR			
B	REV. PER MFG. DWG. FC-7977			
A	REVISED PER CUST. RETURN OF 4-26-91			

De Dietrich
 De Dietrich (USA), Inc. Union, NJ 07083

12" ID. COLUMN TAG ITEM V-50B

CUSTOMER: _____
 P.O.# _____
 CONSIGNEE: _____
 ENGINEERS: _____

CUST. REF. DWG./SPEC. NO.	DDT	QUANTITY (1) ONE
INT. DATE 4-4-91	D.D.T. SO# 4120	TAG NO(S) V-50B
DWG. BY 4-4-91	D.D.U. SA# 337970F	
APPROVED 4-4-91	D.D.T. DWG. FC-7977	DWG. NO. C-7977
RELEASED	SCALE NONE	

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