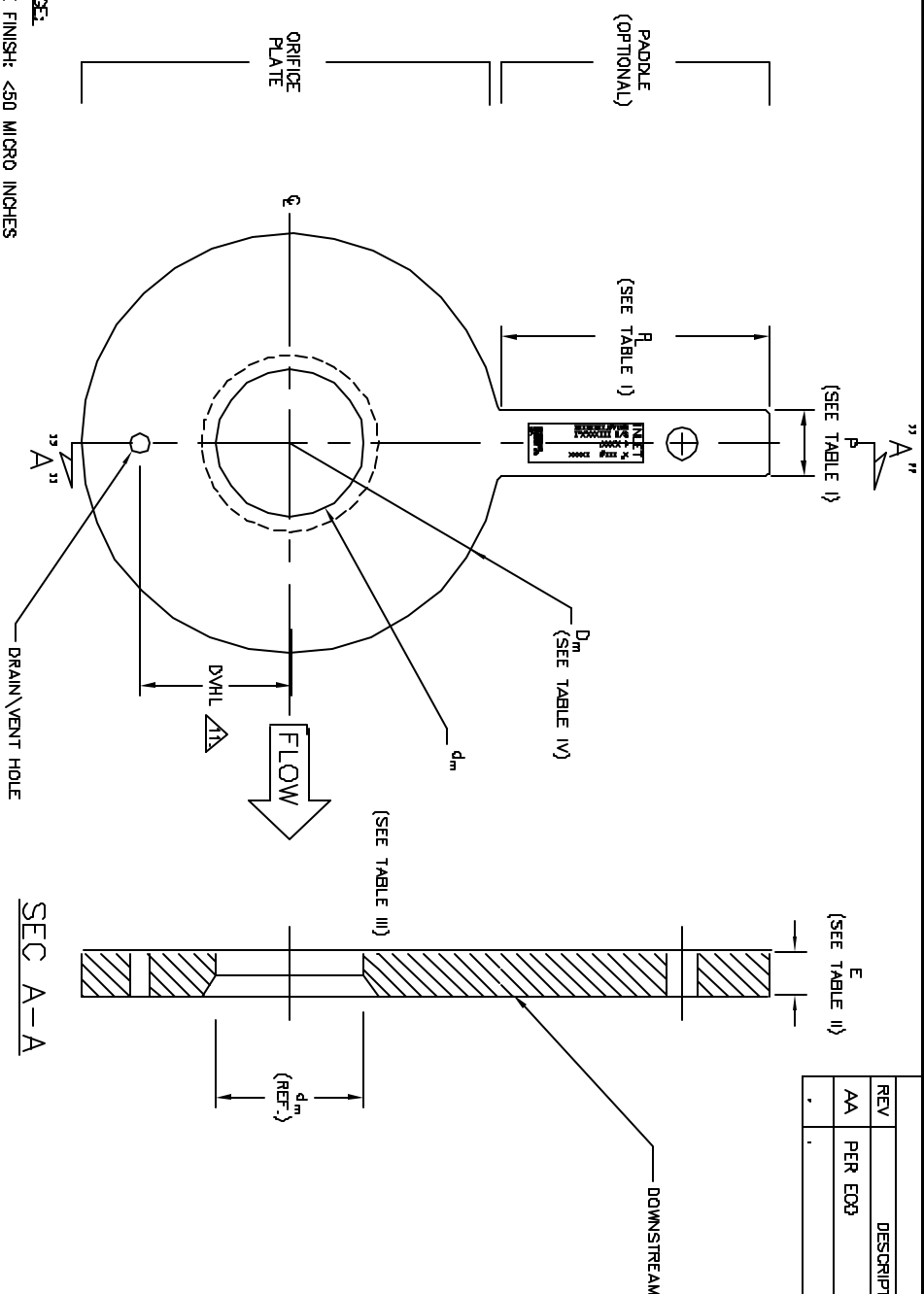


REVISIONS				
REV	DESCRIPTION	CHG. NO.	APP'D	DATE
AA	PER ECOG	EC001803	JR	8/5/99



# NOTES THIS PAGE:

1. SURFACE FINISH: <50 MICRO INCHES
  2. MARK INLET ON PADDE TYPE PLATES
  3. IDENTIFICATION INFORMATION TO BE STAMPED ON EACH PART: "INLET", BORE SIZE, LINE SIZE, FLANGE RATING, MATERIAL, SERIAL NUMBER, HEAT NUMBER. SEE PAGE 2 FOR DIMENSIONS.
  4. CLEAN PER ES-1003
  5. CONFORMS WITH AGA REPORT NO. 3, PART 2 ANSI/API 2530, PART 2 1991 GPA 8185-90, PART 2 CONFORMS WITH EP-4132
  6. INSPECTION IN ACCORDANCE WITH EP-4132
  7. IF PADDE TYPE, PROVIDE WITH PADDE COVER P/N 10042 FOR 1/2" & 1" OR 10043 FOR 1-1/2".
  8. PACKAGING: PACKAGE IN PROTECTIVE CARDBOARD ENVELOPE (CALUMET CARTON STAYFLAT(R) .028" WHITE CLAYCOATED NEWSBACK, OR EQUIVALENT).
  9. FLATNESS <  $((D_m - d_m)/2) \times 0.01$
  10. PART NUMBER: 149501XXXXXXX
- LINE SIZE i.e. 030 (TABLE II) — BORE SIZE THICKNESS i.e. A (TABLE II) MATERIAL i.e. S (TABLE V)
- ONLY WHEN DRAIN/VENT HOLE IS SPECIFIED, SEE DRILLSHEET OR PURCHASE ORDER FOR DRAIN/VENT HOLE LOCATION (DVHL) AND DRAIN/VENT HOLE SIZE (DVHS). DOES NOT CONFORM TO NOTE B. DVHL DETERMINED BY  $(D - DVHS)/2$  DVHS DETERMINED BY ISA.

## SEC A-A

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FILE NAME:

CUSTOMER:

REF PURCHASE ORDER

UNLESS OTHERWISE SPECIFIED  
DIMENSIONS IN INCHES

-TOLERANCE-

DECIMALS FRACTIONS ANGLES

XX ± .01 XX ± .02 XX ± .010

DR. DM 6-24-98

APPROD. K. GUNNET 9/5/98

APPROD. B. VERMIDEN 9/5/98

APPROD. TAGGING

APPROD. SPECIALS

DO NOT SCALE PRINT

**Dieterich Standard**  
A SUBSIDIARY OF ROSEMOUNT INC.

Boulder, Colorado

TITLE  
STANDARD OUTLINE DIMENSIONAL DRAWING  
FOR MODEL 1495 ORIFICE PLATE

SIZE FSCU. NO. DRAWING NO.

A C-1495

SCALE: NONE WT.

SHEET 1 OF 4

1495 BASE MODEL																	
TYPE DESCRIPTION																	
00	PADBLE TYPE, BLANK																
03	UNIVERSAL TYPE, BLANK																
PD	PADBLE TYPE, CONCENTRIC BORE																
PD	PADBLE TYPE, CONCENTRIC BORE W/ SPIRAL FINISH																
UC	UNIVERSAL TYPE, CONCENTRIC BORE																
UG	UNIVERSAL TYPE, CONCENTRIC BORE W/ SPIRAL FINISH																
MACHINE INFORMATION																	
LINE SIZE	LINE SIZE	UNIVERSAL								PADBLE				R <sub>L</sub>	R <sub>W</sub>	E <sub>MAX</sub>	E <sub>MIN</sub>
		RT-RT	A1-A1	A1	A3	A6	A9	AF	AT								
006	1/2"	N/A	N/A	1.875	2.125	2.125	2.500	2.500	2.750					N/A	N/A	N/A	N/A
007	3/4"	1.125	1.125	2.250	2.675	2.625	2.750	2.750	3.000					N/A	N/A	N/A	N/A
010	1"	1.312	1.312	2.625	2.875	2.875	3.125	3.125	3.375					N/A	N/A	N/A	N/A
015	1-1/2"	2.000	2.000	3.375	3.750	3.875	3.875	3.875	5.375					N/A	N/A	N/A	N/A
020	2"	2.437	2.437	4.125	4.375	4.375	5.000	5.000	5.750					N/A	N/A	N/A	N/A
026	2-1/2"	2.812	2.812	4.875	5.125	5.125	6.500	6.500	6.875					N/A	N/A	N/A	N/A
030	3"	3.437	3.437	5.375	5.875	5.875	6.875	6.875	7.750					N/A	N/A	N/A	N/A
040	4"	4.406	4.406	6.875	7.125	7.625	8.125	8.250	8.250					N/A	N/A	N/A	N/A
060	6"	6.437	6.437	8.750	9.875	10.500	11.375	11.125	12.500					N/A	N/A	N/A	N/A
080	8"	8.437	8.437	11.000	12.125	12.875	14.125	13.875	15.250					N/A	N/A	N/A	N/A
100	10"	10.887	10.887	13.375	14.250	15.750	17.125	17.125	18.375					N/A	N/A	N/A	N/A
120	12"	12.583	13.079	16.125	16.625	18.000	18.625	20.500	21.625					N/A	N/A	N/A	N/A
140	14"	14.090	14.585	17.750	19.125	19.375	20.500	22.750	—					N/A	N/A	N/A	N/A
160	16"	16.000	16.585	20.250	21.250	22.250	22.875	25.250	—					N/A	N/A	N/A	N/A
180	18"	18.000	18.585	21.800	23.375	24.000	25.000	27.625	—					N/A	N/A	N/A	N/A
200	20"	20.000	20.983	23.750	25.875	26.750	27.375	29.875	—					N/A	N/A	N/A	N/A
240	24"	24.000	24.500	28.125	30.375	31.000	32.875	35.500	—					N/A	N/A	N/A	N/A
FLANGE RATING																	
FLANGE CLASS (lb RATING)																	
A1		150#															
A3		300#															
A6		600#															
A9		900#															
AF		1500#															
AT		2500#															
MATERIAL		SPEC															
S		316/L PER ASTM A240															
L		304/L PER ASTM A240															
N		MONEL 400 PER ASTM B127															
H		HASTELLOY C-276 PER ASTM B575															
THICKNESS		LINE SIZE		E													
A		005 THRU 100		.125													
B		020 THRU 200		.250													
C		020 THRU 240		.375													
OPTION		DESCRIPTION															
ITC		CONICAL ENTRANCE															
TE		ECCENTRIC BORE															
TD		QUADRANT EDGED															
TS		SEGMENTAL BORE															
1495	PG	D20	A3	S	A	N/A											

1485 PG D20 A3 S A N/A

MAXIMUM DRAIN-HOLE (VENT-HOLE) DIAMETERS	
q <sub>m</sub> (mm)	DVHS (mm)
<1,000 (<25.40)	3/32" (2.38)
1,000-3,500 (25.40-88.90)	3/32" (2.38)
3,501-4,125 (88.93-104.78)	1/8" (3.18)
4,126-5,000 (104.80-127.00)	5/32" (3.96)
5,001-6,000 (127.03-152.40)	3/16" (4.76)
6,001-6,750 (152.43-171.45)	7/32" (5.56)
6,751-7,500 (171.48-190.50)	1/4" (6.35)
7,501-8,375 (190.53-212.73)	9/32" (7.14)
8,376-9,250 (212.76-234.95)	5/16" (7.94)
9,251-10,000 (234.98-254.00)	11/32" (8.73)
10,001-10,875 (254.03-276.23)	3/8" (9.53)
10,876-11,625 (276.26-295.28)	13/32" (10.32)
11,626-12,500 (295.30-317.50)	7/16" (11.11)
12,501-13,250 (317.53-336.55)	15/32" (11.91)
>13,251 (>336.58)	1/2" (12.7)

- NOTES
1. GASKET SURFACE ON PLATE PER AMS B16.
  2. PLATE HOLDER WITH INTERNAL PLATE FOR LINE SIZES UP TO 3 INCH (76.2mm), WITH HOLD DOWN SCREWS FOR 4 INCH (101.6mm) AND LARGER.

**Dietrich Standard**  
A SUBSIDIARY OF ROEMERLINT INC.

DR

DNK

8/24/98

ISSUE

SIZE

A

FS&M NO.

DRAWING NO.

C-1495

SCALE

1

WT.

SHEET

2

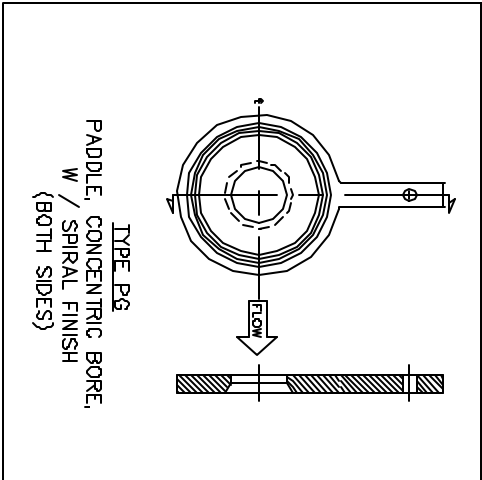
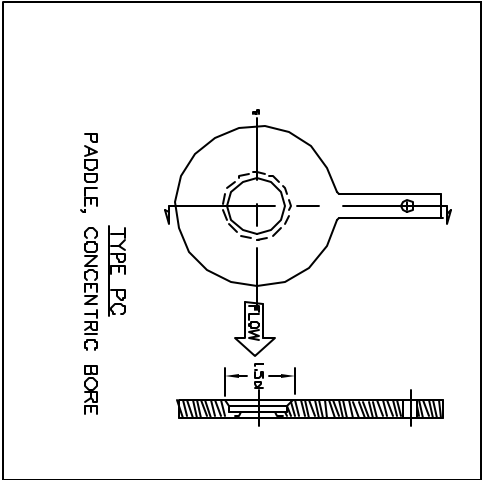
OF

4

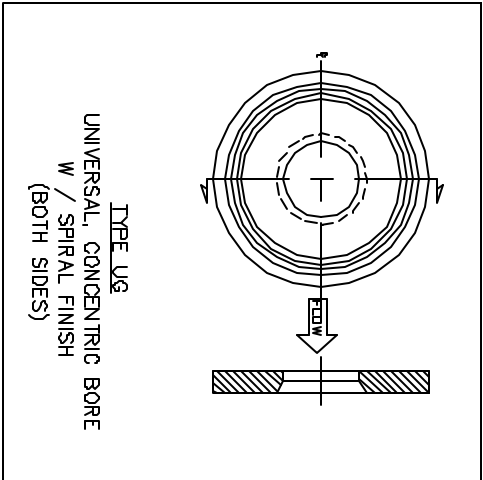
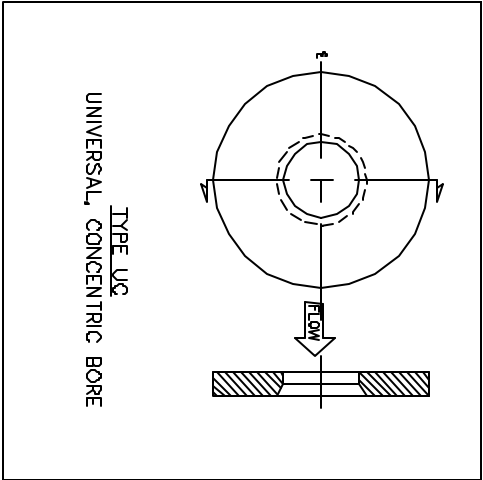
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FILE NAME

PADDLE TYPE ORIFICE PLATE

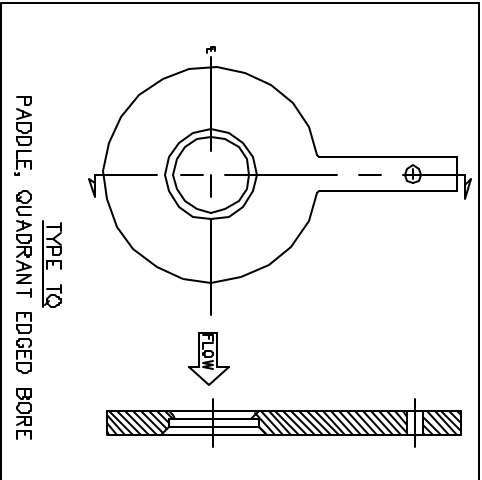
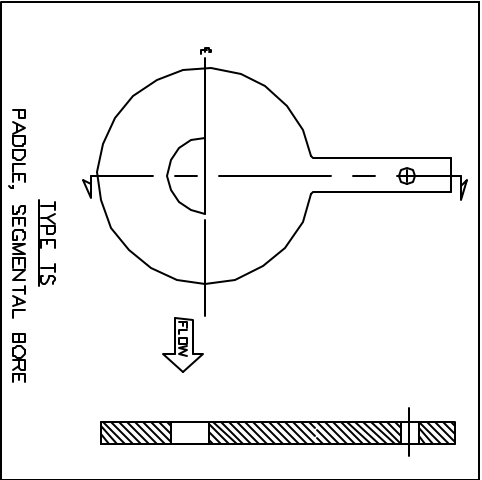
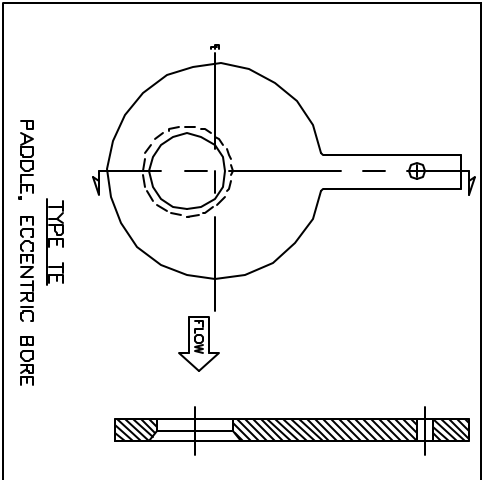
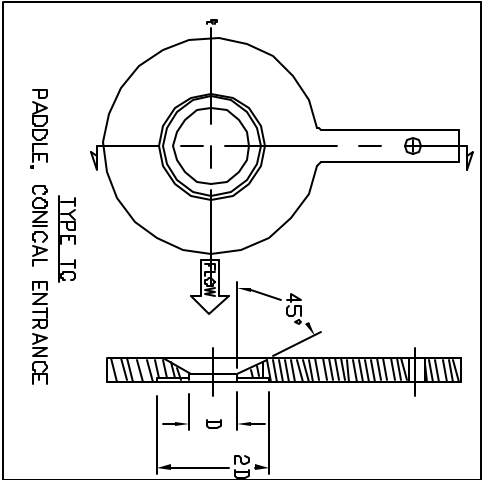


UNIVERSAL TYPE ORIFICE PLATE



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DR	DNK	6/24/98	SIZE	FSCH.IND.	DRAWING NO.	C-1495	
ISSUE			A	SCALE	WT.	SHEET 3	OF 4

PADDLE / UNIVERSAL OPTIONAL TYPE ORIFICE PLATE



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DR	DNK	6/24/98	SIZE	FSCH.ND.	DRAWING NO.	C-1495	
ISSUE			A	SCALE:	WT.	SHEET	4 OF 4