



F3502-0014-PL-1 Mold Pallet Assy and Installation in Injection Casting Furnace Parts List

April 1986

Changing the World's Energy Future

Doug Porter



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**Prepared for the
U.S. Department of Energy
Under DOE Idaho Operations Office
Contract DE-AC07-05ID14517**

PART NO.	DRAWING NO.	PART NAME OR DESCRIPTION	REMARKS	FOR PURCH. PARTS ONLY	
				MATERIAL	QTY
	F3502-0014-EF	MOLD PALLET ASSEMBLY AND INSTALLATION			
		IN INJECTION CASTING FURNACE			
	NOTE !	QUANTITIES SHOWN ARE FOR NOZZLE ASSYS "A" & "B"			
1	F3502-0050-ID	CYLINDER MOUNT (NOZZLE "B")			1
2	F3502-0051-ID	CYLINDER MOUNT (NOZZLE "A")			1
3	F3502-0052-ID	PALLET FRAME			2
4	F3502-0053-EC	INTERMEDIATE FLANGE			2
5	F3502-0054-EC	CONNECTING TUBE			2
6	F3502-0055-EC	AGITATOR ASSEMBLY			2
7	F3502-0056-EB	TOP FLANGE	SEE F3502-0055-PL		2
8	F3502-0057-EB	CLAMP PLATE			2
9	F3502-0058-EB	LOCATING STUD			2
10	F3502-0059-EB	PIN HOLDER			16
11	F3502-0060-EB	EXTENSION PIPE			2
12					2
13	F3502-0062-EB	HANDLE			
14	F3502-0063-EB	SPACER			2
15	F3502-0064-EB	GLAND, FLOATING			2
16	F3502-0065-EB	STOP			2
17	F3502-0066-EB	STAND-OFF			2
SYN.		CHANGE	BY	CK.	DATE
1	DCN F3502-0001		CK		7-86
2	PER DCN F3502-013		MK		5/87

PART NO.	DRAWING NO.	PART NAME OR DESCRIPTION	REMARKS	FOR PURCH. PARTS ONLY	
				MATERIAL	QTY.
18	F3502-0067-EC	VYCOR PALLET FRAME REWORK	REWORK Dwg. #1812-12577		2
19	F3502-0068-ED	PREHEATER SUBASSEMBLY	SEE F3502-0068-PL		2
20		AIR CYLINDER - 1 1/2 IN. BORE X 10 IN. STROKE	ALLEN AIR CORP.	MFG. STD.	2
		WITH 4 WAY SOLENOID CONTROL VALVE (110V-60HZ) OR EQUAL			
		MODEL NO. AV-1 1/2-10-NT/DRP-SDS-OR-AAC/18-120V-1B			
		WITH 2, AB-90 SWITCH COUPLERS			
21		HIGH VACUUM GASKET TYPE G-108 (8" SIZE)	VACUUM RESEARCH CO. OR EQUAL	MFG. STD.	2
22		HIGH VACUUM GASKET TYPE G-110 (10" SIZE)	VACUUM RESEARCH CO. OR EQUAL	MFG. STD.	2
23		RETAINING RING No. N5000-175	OR EQUIV	MFG. STD.	2
		TRUE-ARC RETAINER RING DIV. WALDES KOHINOOR INC			
24		GLIND, SEALING - CONAX N2 PL-14-B2	CONAX CORP.	MFG. STD.	4
25		PIPE PLUG - 1/2 NPT- CAT. NO. SS-8-P CAJONI CO.	OR EQUAL	SST	2
26		BALL LOCK PIN #CL-4BLP-T-1/4 S	CARR LANE MFG CO.	OR EQUAL	MFG. STD. 2
27		FERRULES #CL-2-F	CARR LANE MFG CO.	OR EQUAL	MFG. STD. 4
28		RETAINING CABLE #CL-2-C-10.0	CARR LANE MFG CO.	OR EQUAL	MFG. STD. 2
SYM.	CHANGE	BY	CK.	DATE	
THIS PARTS LIST IS THE PROPERTY OF ARGONNE NATIONAL LABORATORY					ASSEMBLY MOLD PALLET ASSEMBLY AND INSTALLATION IN INJECTION CASTING FURNACE APP'D: JH 7-15-86 CHECKED: JH 7-15-86 DRAWN: PC 4-24-86
					ASSEMBLY NO. F3502-0014-PL02
					SHEET 2 OF 6

ANL-146 (14-42) ENGINEERING PARTS MICROFILMED 7-31-86(1) 8-27-87(2)

PART NO.	DRAWING NO.	PART NAME OR DESCRIPTION	REMARKS	FOR PURCH. PARTS ONLY	
				MATERIAL	QTY.
29		UNION - 3/8 NPT 150# STD. REWORK		SST	2
		BOTH ENDS WITH 3/8-18 AM. STD. STRAIGHT PIPE THREAD		MFG STD	
30		FITTING - "TRU-SEAL" 3/8-18 NPT	OR EQUAL	MFG. STD.	2
		MILLER FLUID POWER DIV. OF FLICK-REEDY CORP.			
31		NIPPLE - 3/8 SCH. 40 PIPE X 3.375±.015		304 SST	2
32		"O" RING # 2-214 PARKER SEAL CO. O-RING DIV	OR EQUAL	VITON	4
33		"O" RING # 2-222 PARKER SEAL CO. O-RING DIV	OR EQUAL	VITON	4
34		THREADED ROD 1/4-20 UNC-2A X 4.000±.060 LG		SST	6
35		THREADED ROD 1/4-20 UNC-2A X 1.250±.060 LG		SST	6
36		COUPLING NUT 1/4-20 UNC-2B X 5/8 LG		SST	6
		1/2 HEX SIZE			
37		FITTING - MALE CONNECTOR 1/4 TUBE O.D.	OR EQUAL	316 SST	2
		X 1/4 NPT NO. SS-400-1-4 SWAGelok		MFG STD	
38		REDUCING BUSHING 3/4 NPT X 1/4 NPT, SS-12-RB-4	OR EQUAL	316 SST	4
		CAJON		MFG STD	
39		NIPPLE 1/4 SCH 40S PIPE X 1" LG		SST	4
				MFG STD	
SYM.		CHANGE	BY	CK.	DATE
THIS PARTS LIST IS THE PROPERTY OF			ASSEMBLY NAME PALLET ASSEMBLY AND INSTALLATION IN INDUSTRIAL CASTING FURNACE		
ARGONNE			APP'D		
NATIONAL LABORATORY			CHECKED		
			DRAWN		
			ASSEMBLY NO.		
			SHEET 3		
			OF 6		
ANL-146 (14-42) ENGINEERING PARTS MICROFILMED 7-31-86(1) 8-27-87(2)			F3502-004-PL02		

PART NO.	DRAWING NO.	PART NAME OR DESCRIPTION	REMARKS	FOR PURCH. PARTS ONLY	
				MATERIAL	QTY.
40		NUT- 1/4-20 UNC-2B HEX		SST	
41		NUT- 3/4-10 UNC-2B HEX	ASTM A194 GR8 OR 8A	MFG STD	18
42		SCREW-HEX SOC HD 3/8-16 UNC-2A X 4" LONG		SST	16
43		WASHER- PLAIN 3/4 SIZE		SST	1
44		WASHER- PLAIN 7/8 SIZE		MFG STD	16
45		SCREW-HEX SOC HD 10-24 UNC-2A X 1 1/2" LONG		SST	24
				SST	4
46		SCREW- HEX SOC HD 1/4-20 UNC-2A X 3/4" LONG		SST	
47		WASHER-PLAIN 3/8 SIZE		MFG STD	16
48		SCREW-HEX SOC HD 7/8-9 UNC-2A X 3" LONG	ASTM A320 GR8B A193 B8.2 OR B8A	SST	1
49		PIPE PLUG 1/4 NPT #SS-4-P CAJON	OR EQUAL	316 SST MFG STD	24
					2
50		LOW PRESSURE HOSE #8 (1/2" I.D.) X 3'-0" LG.			
		1/2" MALE NPT FITTING ON EACH END		MFG. STD.	2
51		UNION-1/4 TUBE FITTING			
		#SS-400-6 SWAGelok	OR EQUAL	316 SST MFG STD	2
52		MALE ELBOW 1/4 TUBE-1/4 NPT			
		#SS-400-2-4 SWAGelok	OR EQUAL	316 SST MFG STD	0

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