

NOTES:

1. RCMA DENOTES "ROTARY COUNTERWEIGHTED MARINE ARM."
2. FASTENER FINISH PER SPECIFICATION FS-1.
3. BASE RISER (ITEM C) TO BE INSTALLED BY INSERTING SHIMS AT BASE UNTIL FACE OF COUPLING IS LEVEL. SEE INSTALLATION INSTRUCTIONS.
4. ARM IS BALANCED EMPTY AND MUST BE DRAINED OF PRODUCT BEFORE MOVING TO OR FROM VESSEL. MEANS OF DRAINAGE BY OTHERS.
5. LUBRICATE CYLINDER TRUNNION PINS AT TIME OF ASSEMBLY USING FMC '3239701' GREASE.
6. TORQUE ITEM 'M' (3/4" A325 BOLTS) TO 250 FT-LBS.
7. ADD TRIM WEIGHTS (ITEM 'AN') AS REQUIRED FOR INBOARD ARM TO HAVE A SLIGHT TENDENCY TO RETURN TO STORED POSITION.
8. ASSEMBLY HAS BEEN PAINTED PER 16629-31.

AJ		2	N100983	FIXED LOCK, STAINLESS STEEL	—
AH		3	N100974	RAIL SPLICE CONNECTOR, SST.	—
AG		2	N100982	LADDER SECTION, W/CUT-OUTS, 2.8M ^{STL.} GALV.	70
AF		1	N100973	LADDER SECTION, 2.8M, STL., GALV.	35
AE		6	N100972	LADDER CLAMP W/SET SCREW, STL., GALV.	12
AD		12	3239761	WASHER - ASA NARROW, 7/8" STL.	1
AC		12	3239239	SCREW-CAP, HEX. HD., 7/8"-9x2 3/4", STL.	8
AB		4	3243831	NUT-HVY. HEX, 1"-8, A325, STL.	2
AA		4	3152607	BOLT-HVY. HEX. HD., 1"-8x3", A325, STL.	8
Z		1	16421-261A	SUPPORT JACK	113
Y		1	16629-406A	COUNTERWEIGHT ASSY.	9258
X		1	3225348	SCREW-CAP, HEX. HD., 3/8"-16x1 1/4", STL.	—
W		1	3229779	NUT-JAM, HEX, 3/8"-16, STL.	—
V		6	3238984	WASHER - ASA WIDE, 1", STL.	1
U		2	3148840	BUSHING - BRONZE	—
T		1	3146774	CYLINDER - HYD., 4" X 24", STL.	58
S		1	16554-8A	MTG. BRKT. - HORIZ. DRIVE, STL.	49
R		1	3242657	NUT-HVY. HEX, 3/4"-10, A325, STL.	—
P		7	16554-2M	SPACER - HORIZ. DRIVE BRKT., STL.	28
N		7	3242008	WASHER - SPR. LOCK, MED, 3/4", STL.	—
M		7	3146114	BOLT-HVY. HEX. HD., 3/4"-10x9", A325, STL.	9
L		2	3226777	PIN-COTTER, 1/4" X 2", STL.	—
K		1	3125245	PIN - CLEVIS, STL.	1
J		20	3239762	WASHER - ASA NARROW, 1", STL.	2
H		16	3238944	SCREW-CAP, HEX. HD., 1"-8x3", STL.	16
G		1	3115407	PACKING - 16" LPS (HH/SST)	1
F		11	3153519	BOLT-REG, HEX. HD., 1 1/4"-7x4 1/2" A325, STL.	25
E		11	3239763	WASHER - ASA NARROW, 1 1/4", STL.	2
D		11	3152059	NUT-HEX, 1 1/4"-7NC, A325, STL.	7
C		1	16629-404A	RISER ASSY., 12" X 25'-11"	5425
B		1	16629-403A	ARM ASSY., 12" X 60', L.H.	10733
A		1		MECHANICAL ASSEMBLY	27431

AR		1	3243634	CLEVIS-HYD. CYL., STL.	—
AP		1	16629-428A	TRAVEL LIMIT ALARM	—
AN		12	N101388	TRIM WEIGHT, STL.	1536
AM		4	3242009	NUT-HEX, 1"-8NC, STL.	1
AL		1	16629-27A	HYD. TUBING DETAIL-VACUUM BREAKER	31
AK		1	16629-29A	TUBING DETAIL ON ARM	—
ITEM	REQUIRED	PART NUMBER	DESCRIPTION, MATERIAL AND SPECIFICATION		EST. WEIGHT

NO	DATE	BY	CHK'D	APPR'D
1	5-17-93	GILL		WHL
2				
3				
4				
5				
6				
7				
8				
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11				
12				
13				
14				
15				
16				
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ITEM	REQUIRED	PART NUMBER	DESCRIPTION, MATERIAL AND SPECIFICATION (ALL PURCHASED PARTS AS SPECIFIED OR EQUAL)	EST WEIGHT
ALL THE INFORMATION IN THIS PROPOSAL IS CONFIDENTIAL AND HAS BEEN PREPARED FOR YOUR USE SOLELY IN CONSIDERING THE PURCHASE OF THE EQUIPMENT DESCRIBED. YOU MAY NOT USE IT FOR ANY OTHER PURPOSE OR DISCLOSE OR PERMIT IT TO BE DISCLOSED TO ANY OTHER PERSON WITHOUT EXPRESS WRITTEN PERMISSION OF FMC CORPORATION.				
DIMENSION TOLERANCES EXCEPT AS SPECIFIED		REF.		
FRACTIONAL ±		NEXT ASSY. 16629-1		
ANGULAR ±		DRAWN GILL		
DEC. X ±		SCALE NONE		
DEC. XX ±		DATE 5-14-93		
DEC. XXX ±		APPR'D WHL		
MACH. SURFACES BREAK ALL SHARP CORNERS		16629 SHEET 402 LM		
FINISH				
FMC FMC Corporation Fluid Control Division Brea California 92621				
MECHANICAL ASSEMBLY MATERIAL LIST 12" X 60'-0" FP-RCMA L.H.; OFFSET, REVERSE 80				