

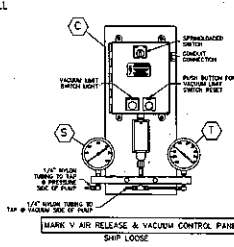
DATE	REV	REVISION DESCRIPTION	BY

ITEM	QTY	EQUIPMENT LIST
A	1	FILTER TANK ASSEMBLY, 50 SQ. FT. 7'-10" x 8'-4" x 8'-0" HIGH
B	1	RECIRCULATION PUMP, PADDOCK CHART
C	1	MAIN V. CONTROL BOX P.T.C. 1/2" COP LOCK, (FIELD LOCATE)
D	1	VACUUM EQUALIZATION SCREEN, 8oz FREERASS
E	1	SUCTION HEADER, 8" SCH. 80 PVC
F	1	8" BACKWASH SUCTION LINE
G	132	2" SLOTTED ABS UNDERDRAIN LATERALS WITH SS SCREENS
H	1	30" MAIN DRAIN LINE CONNECTION
J	1	110" PERIPHER OVERFLOW CONNECTION
K	1	VIEWPORT HATCH, 12" x 12" SS
L	1	SS BACKWASH BROOM
M	8	1/2" SS BARS ANCHORS WITH 3" x 8" SS PLATE (NOT SHOWN)
N	1	FRESH WATER MAKE-UP LINE (AUTO & MANUAL), 1" x 1/2"
O	75	5# SAND MEDIA, THE FILTER, SAND, 1 CU. FT. PER BAG
R	14	4# GRAVEL MEDIA, 1 7/16" - 1/2" 1 CU. FT. PER BAG
S	1	PRESSURE GAUGE
T	1	VACUUM GAUGE
U	1	2" BEDIEN DRAIN COUPLING WITH 2" THREADED SCREENED NIPPLE
X	A/N	FIBERGLASS GRATING, 1" x 1"
Y	1	6" RETURN TO POOL CONNECTION
Z	1	6" BACKWASH TO WASTE CONNECTION
AA	1	2" TANK DRAIN WITH 2" THREADED PVC PLUG
AB	2	SS ELECTRICAL COUPLING
AC	1	3/4" PUMP COMPARTMENT DRAIN CONNECTION
AD		
AE		
AF		
AG		
AH	1	3" FILTER TANK OVERFLOW CONNECTION
AJ	1	ULTRASONIC WATER LEVEL SENSOR-ECHO SMITH, MODEL RU72-5005 (110VAC)
AK		

CATALOG NUMBER	FILTER AREA	FLOW RATE	FILTER RATE	BACKWASH RATE	SHIPPING WEIGHT	LATERALS WEIGHT
9794-1550	50 SQ. FT.	750 GPM	15.0 GPM/SQ.FT.	750 GPM	2350#	40 50

NO	VALVE LEGEND	SIZE	FILTER	ARR.	SCOUR	BACKWASH	DRAIN	POOL
1	MAIN DRAIN WATER VALVE/W/LEVER OPERATOR	8"	O	X	X	X	X	X
2	SUCTION HEADER WATER VALVE/W/LEVER OPERATOR	8"	O	X	X	X	X	X
3	RETURN TO POOL WATER VALVE/W/LEVER OPERATOR	6"	O	X	X	X	X	X
4	BACKWASH TO WASTE WATER VALVE/W/LEVER OPERATOR	6"	X	O	O	O	X	X
5	BACKWASH TO WASTE WATER VALVE/W/LEVER OPERATOR	6"	X	O	O	O	O	O
6	UNDERDRAIN CONTROL VALVE/W/LEVER OPERATOR	6"	O	O	O	O	O	X
7	PERMETER OVERFLOW WATER VALVE/W/LEVER OPERATOR	6"	O	X	X	X	X	X
8	BACKWASH INFLUENT WATER VALVE/W/LEVER OPERATOR	8"	X	X	X	X	O	O
9	AUTOMATIC WATER MAKE-UP	1/2"	X	X	X	X	X	X
10	MANUAL WATER MAKE-UP TRUE UNION BALL VALVE	1 1/2"	X	X	X	X	X	X
11	WATER MAKE-UP CONTROL TRUE UNION BALL VALVE	1 1/2"	O	X	X	X	X	X

- NOTE:**
- TANK MATERIAL SHALL BE 1/8" TYPE 316L LOW CARBON STAINLESS STEEL.
 - ALL BOLTS, STUDS AND NUTS USED TO ASSEMBLE PIPING TO BE NON-CORROSIVE WITHIN FILTER COMPARTMENT.
 - MEDIA SUPPLIED WITH FILTER.
 - 40-60% FILTER RATE PER 50/FT. OF FILTER AREA = 15 GPM.
 - FACE PIPING SHALL BE 50# 40 PVC.
 - FLANGES SHALL BE 30# 80 PVC SOCKET ON SPOUT TYPE OR STAINLESS STEEL WITH FILTER TANK EXTERIOR FLANGES TO BE PVC SOCKET TYPE.
 - EXTERIOR OF TANK BELOW FILTER ROOM FLOOR TO BE GIVEN TWO (2) COATS OF BITUMASTIC 300# COLOR BLACK.
 - ALL VALVES TO BE PVC BODY, A 3/8" STST. SEAL, AND PVC GRC. EPDM SEALS. HANDLE EXTENSIONS TO BE SS.
 - TANK MAINTAINED AGAINST DEFECTS IN MATERIAL AND WORKMANSHIP FOR A PERIOD OF (1) YEAR.
 - 150# 60 HZ. TO ASP. DRUM POWER TO BE BROUGHT AND CONNECTED TO THE USC AIR RELEASE AND VACUUM UNIT SWITCH CONTROL ASSEMBLY BY THE ELECTRICAL CONTRACTOR. THE CONTROL ASSEMBLY TO BE CONNECTED TO A 110V ELECTRICALLY INTERLOCKED CONTROL MOTOR STARTER. NO OTHER START-STOP STATION TO BE INSTALLED.



PACCO PUMP SELECTION	
GPM	740 @ 65' TDH
MODEL#	4095-7
HP	20
RPM	1750
VOL.	208-230/480
PHASE	3

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PADDOCK
 POOL EQUIPMENT CO., INC.

DO NOT SCALE DRAWING
 TOLERANCE UNLESS OTHERWISE SPECIFIED:
 ±.001" .125" to .1250"
 ±.005" .1250" to .2500"
 ±.010" .2500" to 1.0000"
 ±.020" 1.0000" to 1.9999"

DESCRIPTION: MANUAL COMPACT USC-50 VACUUM SAND FILTER

GREENVILLE AQUATIC CENTER
 GREENVILLE, NC

ISSUED: 12/02/02
 DATE: 12/02/02
 SHEET NO: 4479-B