

a xylem brand

115 VOLT AC MACERATOR

FEATURES

Pump:	Self-Priming Flexible Impeller with Stainless Steel Wearplates
Impeller:	Jabsco Nitrile Compound
Macerator:	Stainless Steel Cutter Plate reduces particle size to 1/8" (3.17 mm) maximum
Seal:	Lip Type
Ports:	Inlet – 1-1/2" (38 mm) NPT Male and 1-1/2" (38 mm) barb Outlet – 1" (25.4 mm) Hose Barb
Motor:	115 Vac, AC Induction Type Single Phase, 60 Hz Thermal Overload Protection
Weight:	19 lb (41.8 kg)

⚠ WARNING Explosion hazard. motor can spark. Explosion & death can occur. Do not use where flammable vapors are present.

APPLICATION INFORMATION

The Jabsco 18690-0000 AC macerator pump unit is the ideal answer to waste handling problems for marine, recreational vehicle and domestic uses. The macerator section grinds waste down to a particle size of 1/8" maximum so it can be pumped easily through a 1" hose discharge line. The pump is self-priming, permitting the unit to be mounted above or below the tank in a convenient location. For optimal efficiency, locate pump as close to waste source as practical.

Empties a 30 gallon holding tank in only 3 minutes.

The 18690-0000 waste pump will macerate and pump all waste and tissue normally found in marine waste systems. IT WILL NOT HANDLE HARD SOLID OBJECTS, SANITARY NAPKINS OR RAGS.

HEAD CAPACITY TABLE

Feet of Head	GPM
5	14.0
10	13.0
20	10.0
30	7.5

Flow rates are for water, capacity may be slightly reduced when handling heavy solids. Full load Amps – 7.2

INSTALLATION

Locating the pump: The Jabsco AC macerator pump unit is self-priming to a six foot lift and may be located at any convenient point in the waste discharge system. It should be mounted upright so the motor's bearing lube channels are accessible and to prevent the oil from draining out of them. For optimal efficiency, locate pump as close to waste source as practical. Ideally, if connected to the bottom of the holding tank, the hose length should



Model 18690-000

be long enough so the hose-to-pump connection can be raised above the maximum liquid level should service be needed when the tank is full.

Plumbing Connections: Use 1-1/2" ID non-collapsible suction hose. Attach suction hose to the inlet port and secure it with a quality marine grade hose clamp. All suction connections must be airtight and free of sharp bends or restrictions. Use minimum 1" ID contractors hose for discharge.

Be sure adequate voltage and current capacity is available in electrical installation.

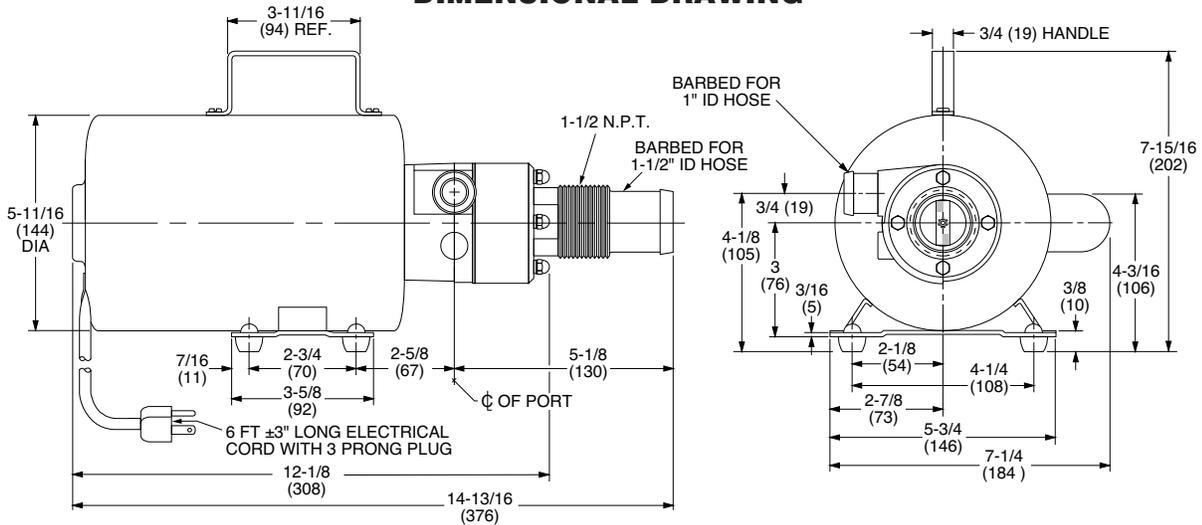
OPERATING INSTRUCTIONS

The Jabsco macerator pump unit has been designed to handle waste, toilet tissue, and facial tissue. It will also handle solids such as filter tip cigarettes, cigars and chunks of soft fruits or vegetables less than 1" in size. It will NOT pump solid objects like peach pits, rags, or sanitary napkins. The holding tank and pump should be flushed with several gallons of water after each pumpout. Do NOT run pump dry for longer than 30 seconds.

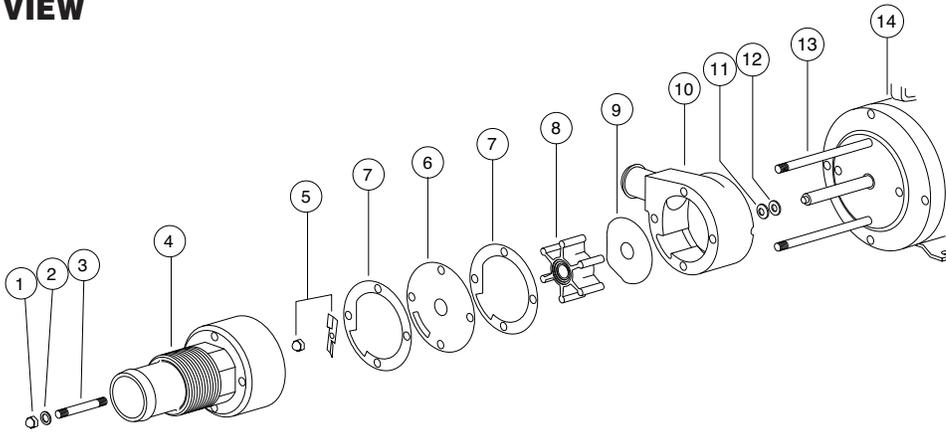
SERVICE INSTRUCTIONS

1. Remove acorn nuts and inlet housing.
2. Unscrew nut retaining cutter plate from shaft by turning counterclockwise facing cutter. Hold motor shaft behind chopper to prevent shaft from turning with a thin 9/32" (7 mm) ignition wrench.
3. Remove gaskets, wearplate and slide pump assembly off of mounting studs.
4. Replace seal, impeller gaskets or other parts as necessary. To remove seal, push out evenly with screwdriver from impeller bore side of body. To reassembly seal, coat outside of metal case with a light coat of sealant and press into body with lip facing impeller. Press star retaining washer (with concave side up) into seal bore and against seal case. A light coating of grease should then be applied to impeller bore and wearplate to aid initial dry startup.
5. Reassemble body, impeller, gaskets, wearplate, cutter

DIMENSIONAL DRAWING



EXPLODED VIEW



PARTS LIST

Key	Description	Part Number	Qty. Req.
1	Acorn Nut	91085-0340	4
2	Fiber Washer	91613-0140*	4
3	Stud, Short	17288-0010*	2
4	Macerator Housing	18594-1001	1
5	Cutter Plate with Nut	37056-1000	1
6	Wearplate, Large	18597-1000	1
7	Gasket Kit (2 ea per kit)	18596-1000*	1

Key	Description	Part Number	Qty. Req.
8	Impeller	6303-0003*	1
9	Wearplate, Small	12316-1002	1
10	Body	18593-1000*	1
11	Seal	1040-0000*	1
12	Slinger	6342-0000	1
13	Stud, Long	17288-0000	2
14	Motor Sub-Assembly-115v	18744-0000	1

THE PRODUCTS DESCRIBED HEREIN ARE SUBJECT TO THE JABSCO ONE YEAR LIMITED WARRANTY, WHICH IS AVAILABLE FOR YOUR INSPECTION UPON REQUEST.

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