



Operating / Service Manual

IMPORTANT: Read all instructions before assembling or using this device.



For decades, JEDMED Instrument Company has built its reputation on principles of quality, integrity, innovation and value. Continuous research and development coupled with exceptional customer service and a world-class quality system has placed JEDMED as an industry leader.

As always, our focus remains on you, our valued customer. Building rewarding and lasting relationships is the cornerstone of JEDMED's business philosophy. JEDMED is committed to delivering reliable and cost-effective solutions to medical professionals everywhere.

The employee-owners of JEDMED would like to take this opportunity to thank you for all your support. We are pleased and proud to serve the ever-changing medical community.

Sincerely,

JEDMED

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Note: Specifications subject to change without notice.

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PRECAUTIONS

The following conventions are used throughout this manual:

MARNING Alerts user to the possibility of *PERSONAL INJURY*.

CAUTION Alerts user to the possibility of **DAMAGE to the EQUIPMENT**.

NOTE Alerts user to **PERTINENT FACTS or CONDITIONS**.

> NOTE

Photos throughout this manual depict the standard Classic CSC Cabinet for simplicity. The stainless steel version of the cabinet is equivalent except as indicated.

Safety Precautions

- Allow operation only by qualified personnel.
- Do not leave device(s) operating while unattended.
- Always use "Universal Precautions" when handling potentially infectious material.
- Always clean, disinfect and sterilize equipment between patients
- Use care when introducing pressurized medications to patients.
- When using fiberoptic light sources, keep flammables away from light port, fiberoptic cable ends and endoscope tip.
- Disconnect from power before cleaning, servicing or storing.
- Do not allow liquid to enter any parts of this device.
- Specula and other instruments may pose choking hazard for smalll children.
- Always replace fuse(s) with same type and rating.

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DESCRIPTION

The JEDMED Classic CSC ENT Cabinet is a cost-effective workstation for the otolaryngic specialist. Its proven design has remained the industry standard for decades.

The contemporary look of the Classic CSC will enhance the appearance of any exam room. Several versatile color choices are available making it easy to coordinate with most any decor.

Standard configuration comes complete with all pumps, tubing, canisters, and spray bottles necessary for a basic ENT set-up. A variety of options are available allowing the cabinet to be customized to the user's specific work-style. Fully updated, the Classic CSC incorporates all user-friendly, low-voltage controls.

A stainless steel version of the cabinet is also available for users who prefer this timeless material. It is equivalent in form and overall dimensions to the standard Classic CSC.

The Classic CSC ENT Cabinet is a quality-designed and manufactured medical device. Given reasonable care, this product will provide many years of trouble-free service.

UNPACKING

SHIPPED IN CARTON:

- 1. Cut bands holding carton together.
- 2. Remove top end cap.
- 3. Remove main carton tube.
- Carefully lift cabinet off of bottom end cap (skid) and place on desired floor location (2 people required).
- 5. Carefully cut stretch-wrap away from cabinet.

SHIPPED VIA MOVING VAN:

1. Carefully cut stretch-wrap away from cabinet.

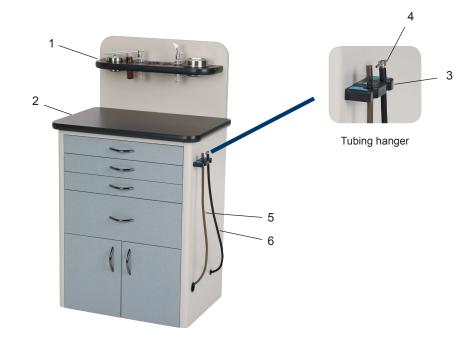
> NOTE

Any shipping damage should be documented and reported immediately to the carrier or JEDMED.

Main Cabinet

(right side)

- 1. Bottle shelf
- 2. Work surface
- 3. Tubing hanger
- 4. Pressure connection
- 5. Suction tubing
- 6. Pressure tubing



Main Cabinet

(left side)

- 1. Instrument drawer
- 2. Storage drawer
- 3. Pump compartment & trap canister
- 4. Control unit
- 5. Cord cover



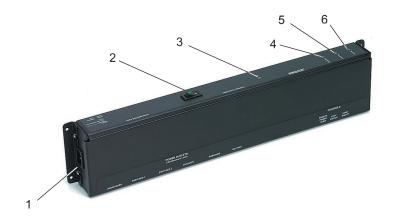
Rear View



Control Unit

(top view)

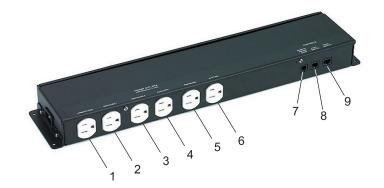
- 1. Power input
- 2. Main power switch
- 3. Power indicator
- 4. Auxiliary indicator
- 5. Pressure indicator
- 6. Suction indicator



Control Unit

(bottom view)

- 1. Unswitched outlet
- 2. Switched 1 outlet
- 3. Switched 2 outlet
- 4. Auxiliary outlet
- 5. Pressure outlet
- 6. Suction outlet
- 7. Remote power strip connection
- 8. Footswitch connection
- 9. Tubing hanger (hand switch) connection



Tubing Hanger (hand switch) Controls

- 1. Suction switch
- 2. Suction indicator
- 3. Auxiliary switch
- 4. Auxiliary indicator
- 5. Pressure switch
- 6. Pressure indicator
- 7. Internal switches (automatic version only)



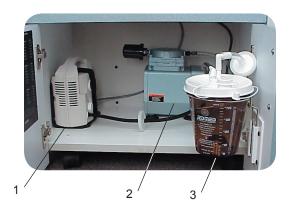
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Pump Compartment Components

- 1. Pressure pump
- 2. Suction pump
- 3. Trap canister



Pump compartment located in base of cabinet



Suction Trap System

- 1. Trap canister & lid
- 2. Patient tubing
- 3. Suction tubing (to pump)
- 4. Hydrophobic filter
- 5. Elbow fitting



Trap canister configuration

Suction Pump Detail

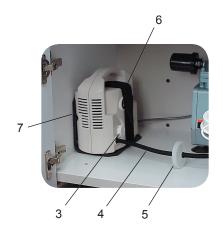
- 1. Suction tubing
- 2. Muffler



Suction pump

Pressure Pump Detail

- 1. Power switch
- 2. Power cord
- 3. Intake filter
- 4. Pressure tubing
- 5. Hydrophobic filter (pressure)
- 6. Securing strap
- 7. Foam pad





Pressure pump (right side)

Accessories



Powder Blower #175



Nebulizer #180



Atomizer #286



3" Cotton Container



4" Gauze Container

PARTS IDENTIFICATION - Options

Standing Riser (10") with drawer

> NOTE

Not available on stainless steel version.



Riser Drawer



Cabinet on Riser

Flip-Up Shelf

> NOTE

Not available on stainless steel version.

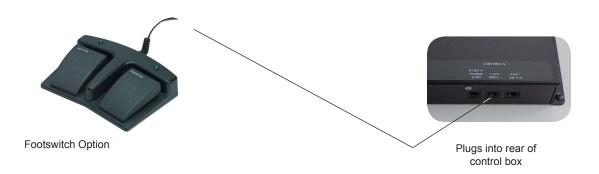


Retracted



Extended

Remote Footswitch



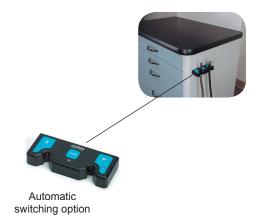
otion

Option

PARTS IDENTIFICATION - Options

Automatic Switching Tubing Hanger (pressure & suction)

Pressure or suction pumps start automatically when tubing is lifted out of hanger bracket.



Otoscope Recharger Unit (Welch Allyn®)

Rechargeable handle unit for otoscopes.



Otoscope Option

JEDMED K2 Recharger

Works with traditional Welch Allyn[®] 2.5V or 3.5V rechargeable handles.

OR



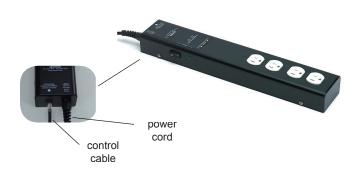
Integrated



Stand-Alone

Remote-Controlled Power Strip

Remote power strip is controlled by cabinet power. When cabinet control box is switched off, power to remote outlet is also shut off. Plug microscope and/or power chair into remote power strip to keep children from tampering with sensitive equipment while physician is out of the room.





ASSEMBLY INSTRUCTIONS

INSTALL TRAP CANISTER

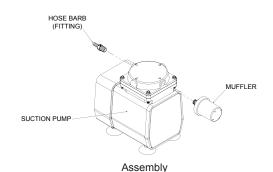
- 1. Place lid on canister and press to seal securely.
- 2. Slip canister with lid into metal support ring.
- 3. Attach tapered elbow fitting (on end of pump tubing) to top of canister.
- 4. Attach dark gray patient tubing to "Patient" inlet on canister.



Trap canister

INSTALL SUCTION PUMP

- 1. Attach fittings to pumps (if required).
- 2. Place pump in cabinet.
- 3. Connect suction tubing (clear) to suction pump inlet.
- 4. Plug pump into "suction" receptacle located on bottom of control box.



> NOTE

Pressure pump comes pre-installed in cabinet.



Tubing Connection



Pump placement

INSTALL OPTIONS

Options are normally supplied fully assembled and installed at the factory. If options are ordered after initial cabinet purchase, follow instructions received with each option.

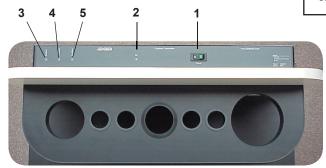
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DEVICE OPERATION

Controls

∕!\ Warning

Possible explosion hazard if used in the presence of flammable anesthetics.



Top view

1. Power Switch (main) Shuts off all AC power to the cabinet except "unswitched"

receptacle on bottom of control box. "Unswitched" receptacle may be used for rechargeable otoscope unit or other device which requires power even if control box is shut off.

2. Power Indicator Indicates when power to cabinet is switched "ON"

3. Suction Indicator Indicates when suction pump is energized.

4. Pressure Indicator Indicates when pressure pump is energized.

5. Auxiliary Indicator Indicates when auxiliary device is energized. "AUX" receptacle

is located on bottom of control box.

Typical Use



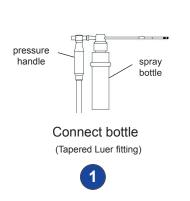
Hand Switch



- Depress "P" on hand switch to start pressure pump. Pressure illuminator lights and pump runs.
- Press "P" again to stop pump.
- Pump may be optionally controlled using footswitch or automatic tubing hanger. Regardless which switch turns pump on, indicators on all devices will light. Likewise, pump may be turned off by using any control (hand switch, footswitch or automatic tubing hanger).
- Suction pump and Auxiliary outlet operate similarly.
- Various options may be plugged into Auxiliary outlet and be controlled via "AUX" switch (power limit: 2 amps).

DEVICE OPERATION

SPRAYING (Pressure)



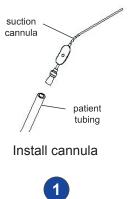




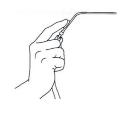
<u>!</u> Warning

Always exercise care when introducing pressurized medications onto the site. Use only enough pressure to accomplish the

ASPIRATING (Suction)







Begin aspirating (Cover bleeder hole with index finger to draw vacuum)



DEVICE OPERATION

REPLACEMENT OF TRAP CANISTER & PATIENT TUBING



Disconnect Pump Tubing



Cap Port (optional*)



Disinfect Patient Tubing



Cap Patient Tubing



Carefully Pass Tubing Through Cabinet



Remove & Discard Properly

*Capping canister pump port is optional. An internal hydrophobic filter blocks liquids from leaking; nevertheless, JEDMED recommends capping this port. However, the <u>patient</u> tubing port on the canister contains no such filter and port <u>must</u> be capped to avoid leakage.

> NOTE

To avoid contaminating cabinet, do not contact opening or cabinet wall with tubing or gloves as tubing is passed through. If contacted, disinfect area immediately.

/! Warning

Aspirated bodily fluids are considered a BIO-HAZARD. ALWAYS use "Universal Precautions" when handling any such potentially infectious material. Dispose of properly in accordance with federal, state, and local regulations.

CLEANING - DISINFECTION - MAINTENANCE

! WARNING

Always unplug unit from main power outlet before cleaning, disinfecting, maintenance or service.

Cleaning

System may be wiped clean using a soft cloth moistened with water and a mild detergent. Do not use excessive liquids or allow liquids to enter control box, pumps, cable connections or other components. Check that system is thourougly dry before reconnecting power.

Disinfection

System should be wiped down with a cold disinfecting solution and a disposable cloth. Do not allow disinfectant solution to remain on product any longer then necessary to ensure proper disinfecting. Before using, test new disinfectants in an inconspicuous surface and check for adverse results. Follow disinfectant manufacturer's instructions for use.

Removal of Work Surface

As a convenience, work surface is held securely in place with hook & loop material. If needed, removal is accomplished by simply lifting up slowly.



Lift up slowly and firmly along front edge of work surface (secured with hook & loop material)

Scheduled Maintenance

Pressure intake filter should be changed out at a minimum of every two (2) months, or as needed.

Hydrophobic filters should be changed out at a mimimun of every three (3) months, or as needed.

All filters simply press into place.



Intake filter removed



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FILTERS

About Hydrophobic Filters

Both the pressure and suction pumps are fitted with in-line hydrophobic filters. A "hydrophobic" filter allows air to pass through but blocks aqueous (water-based) fluids. The pore size of these filters also traps most common forms of bacteria.

If any aqueous solutions (including bodily fluids) contact the membrane of the hydrophobic filter, the pores will close-down and lock out both liquids and air from passing. This will result in loss of suction and may cause the pump to have difficulty starting. Filters may be fully blocked or only partially blocked depending on how much liquid has entered.

The rated pore size of these filters is 1.0 micron (micrometer) but is effectively ten times smaller than this provided the membrane has not been "wetted".

Filter Wetting - A filter can become "wetted" if the filter membrane comes in contact with alcohol or any other solvent. "Wetting" causes the filter to lose its hydrophobic (water-shedding) characteristics. This causes the filter to allow liquids to pass which would normally be blocked. Hydrophobic filters are incorporated to trap bacteria and help protect pumps from liquids. It is important to replace filters regularly as well as any time they may have become wetted.

! WARNING

Always observe Universal Precautions when handling and disposing of hydrophobic filters.

Replace Pump Filters

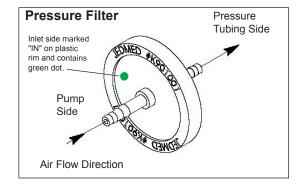
- 1. Pull tubing loose from hose barbs on filter.
- 2. Install new filter by pushing firmly onto filter hose barbs.

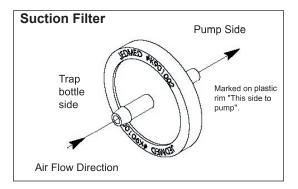
 Orientation is important: Refer to diagrams.

Filter life may vary due to several factors. Filters should be checked every three (3) months for the following:

- 1. Darkening of color (accumulation of particles)
- 2. Variation in flow rate (decreased flow)
- 3. Liquid ingress (suction overflow)

If any conditions noted above are observed, replace filters. At a minimum, filters should be changed at least every three (3) months.





REORDER INFORMATION

Consumables

Order #	Description
03-5575	Disposable trap canister & lid (pack of 10)
03-5580	Disposable suction tubing (6 ft.)
K901002	Hydrophobic filter (suction)
K903020	Intake filter (pressure)
K901001	Hydrophobic filter (pressure)

Fuses (120V version)

K011022	T10A Main Power	(Bussman #MDA-10, slow)	1-1/4 x 1/4"
K011056	T6.3A Suction / Pressure / Auxiliary	(Littelfuse #021506.3HXP, slow)	5 x 20mm

Fuses (240V version)

Contact JEDMED

Replacement Parts

Order #	Description
K409018	Control Box (120V)
K409019	Control Box (240V)
03-6111	Automatic Pressure/Suction Tubing Hanger
03-6113	Footswitch
03-6115	Remote-Controlled Power Strip
03-6135	K2 handle recharger (otoscope) - on control box
03-6120	K2 handle recharger (otoscope) - free standing

> NOTE

Refer to the assembly drawings located at the back of this manual for replacement parts.

Contact Information

For additional information or to order replacement parts contact your Regional Sales Representative or JEDMED Technical Service. Refer to inside of back cover.

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SPECIFICATIONS

Overall Cabinet

Dimensions See below

 Weight
 In use
 Shipping

 Laminate version
 175 lbs. (80 kg)
 200 lbs. (91 kg)

 Stainless steel version
 190 lbs. (87 kg)
 215 lbs. (98 kg)

Control Box

Input 115Vac, 60Hz

Output 115Vac (Controls up to 10 Amps)

Power 1150W maximum

Class 1 (3 prong, grounded)

Dimensions 1.875 x 4.250 x 19.250 inches (48 x 108 x 489 mm)

Suction Pump

Electrical Input 115Vac 4.2amps 60Hz

 Vacuum
 25.5 in. Hg (max.)

 Flowrate
 1.1cfm @ 0 in. Hg

Dimensions (W x D x H) 7.500 x 5.000 x 8.000 inches (191 x 127 x 203 mm)

Weight 14 lbs. (6.4 kg)

Pressure Pump

Electrical Input 115Vac 2.5amps 60Hz

Pressure 35psi Flowrate 8 lpm

Dimensions (W x D x H) 8.000 x 4.000 x 7.000 inches (203 x 102 x 178 mm)

Weight 5.0 lbs. (2.3 kg)

Trap Canister

Dimensions (diameter x H) 5.000 x 6.000 inches (127 x 152 mm)

Capacity 800cc

Riser with Drawer

Dimensions (W x D x H) 24.000 x 17.000 x 10.000 inches (610 x 432 x 254 mm)

Weight 55 lbs. (25 kg)

Remote Power Strip

Dimensions (W x D x H) 1.625 x 2.750 x 15.500 inches (42 x 70 x 394 mm)

Weight 1.75 lbs. (0.8 kg)
Current Rating 10 amps (maximum)

Flip-Up Writing Shelf

Dimensions (W x D x H) 14.000 x 14.000 x 0.750 inches (356 x 356 x 19 mm)

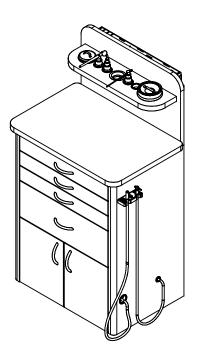
Weight 4.5 lbs. (2.0 kg) Weight Limit 15 lbs. (6.8 kg)

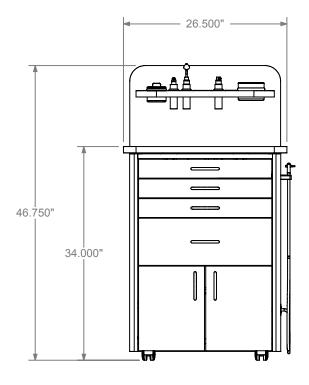
Footswitch

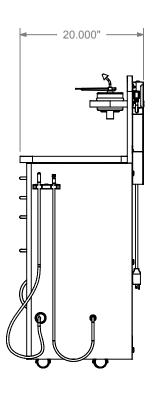
Dimensions (W x D x H) 8.000 x 6.000 x 1.500 inches (203 x 152 x 38 mm)

Weight 1.2 lbs. (0.5 kg)

DIMENSIONS







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SERVICE INFORMATION

SERVICE INFORMATION

Service should only be performed by a qualified technician.

Contact JEDMED for further information.



Always unplug unit from main power outlet before cleaning, disinfecting, maintenance or service.

Contact Information

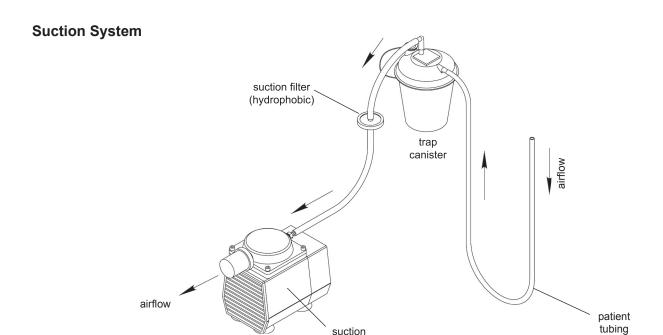
For additional information or to order replacement parts contact your Regional Sales Representative or JEDMED Technical Service. Refer to inside of back cover.

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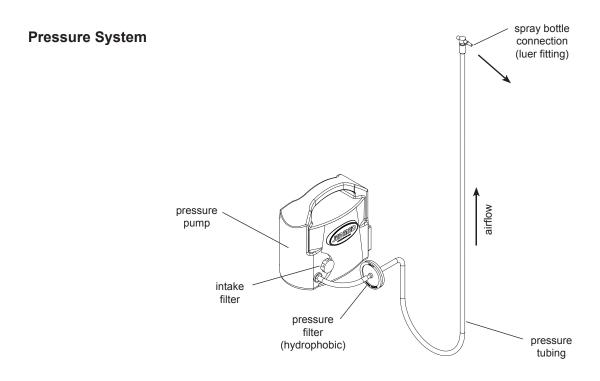
TROUBLESHOOTING

Problem / Condition	Possible Cause	Solution
	No AC power at wall receptacle.	Test power outlet with another device to assure power is available.
Power light does not illuminate.	Power switch on control box not turned ON.	Turn power switch ON.
No functions operate at all.	Power cord unplugged from side of control box.	Check to insure power supply and connections are good.
	Fuse(s) blown (main input)	Replace main input fuse(s). (Contact JEDMED)
Pressure or suction pump does not operate. Corresponding pressure	Corresponding pump unplugged from bottom of control box.	Check all pump connections.
or suction indicator does illuminate.	Blown fuse (corresponding pump).	Replace fuse (Contact JEDMED)
Pressure pump operates when suction switch is depressed (or vice versa).	Pumps plugged into incorrect AC outlet on bottom of control box.	Plug each pump into proper outlet.
Pressure or suction pump runs continuously; may or may not turn off with main power switch.	Corresponding pump plugged into one of the Switched or Unswitched outlets on bottom of control box.	Plug corresponding pump into proper outlet.
Pressure or suction pump runs continuously.	Cabinet is equipped with automatic Pressure & Suction Hanger and corresponding tubing is not seated in hanger properly.	Fully insert corresponding tubing into automatic hanger so as to properly contact sensing switch.
	Tubing connection is loose.	Check all tubing connections.
Suction pump runs, but little or no air comes out.	Trap canister lid is loose or crack in lid or canister.	Reset lid or replace canister and/or canister.
OR	Tubing is kinked or clogged.	Check all tubing for interference.
Pump is difficult to start or will not start and only "hums".	Hydrophobic (output) filter is clogged.	Replace hydrophobic filter.
start and only hums .	If equipped with glass trap bottle, overflow valve may be stuck.	Clean overflow protection valve.
Pressure pump runs, but little or no	Tubing connection is loose.	Check all tubing connections.
air comes out. OR	Tubing is kinked or clogged.	Check all tubing for interference.
Pump is difficult to start or will not	Intake filter is clogged.	Replace intake filter.
start and only "hums".	Hydrophobic (output) filter is clogged.	Replace hydrophobic filter.

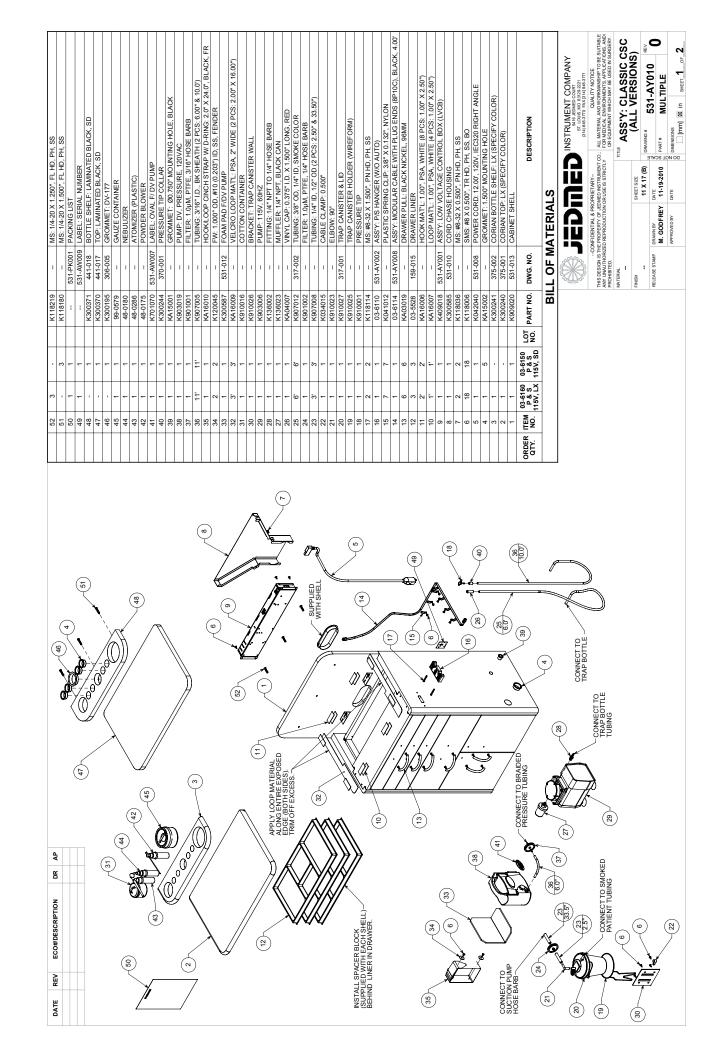
PUMP CONNECTIONS



suction pump



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NOTES



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