



OPERATOR'S MANUAL

Cat. No.

0780-20

0880-20



CORDLESS WET/DRY VACUUMS

TO REDUCE THE RISK OF INJURY, USER MUST READ AND UNDERSTAND OPERATOR'S MANUAL.

IMPORTANT SAFETY INSTRUCTIONS

⚠ WARNING WHEN USING AN ELECTRICAL APPLIANCE, BASIC PRECAUTIONS SHOULD ALWAYS BE FOLLOWED, INCLUDING THE FOLLOWING: READ ALL INSTRUCTIONS BEFORE USING VACUUM. FOR HOUSEHOLD USE ONLY.

WORK AREA SAFETY

- Keep work area clean and well lit. Cluttered or dark areas invite accidents.
- Vacuum cleaners have motors and other parts that can produce sparks during normal use. Do not use within 30 feet of areas where explosive materials may be present (such as gasoline pumps and places where liquids like paint thinners, cleaners, solvents, etc. are stored).
- Do not use in the presence of explosive dust, liquids or vapors.
- Do not use where oxygen or anesthetics are used.
- Do not allow to be used as a toy. Close attention is necessary when used by or near children.
- Use extra care when cleaning on stairs.

ELECTRICAL SAFETY

- Wear electrically insulated footwear, such as rubber boots, when vacuuming wet material.
- Do not handle battery pack or vacuum with wet hands.

PERSONAL SAFETY

- STAY ALERT. Watch what you are doing and use common sense. Do not use vacuum cleaner when you are tired, distracted or under the influence of drugs, alcohol or medication causing diminished control.
- The operation of a utility vacuum can result in foreign objects being blown into eyes, which can result in eye damage. Always wear safety goggles when operating vacuum.
- Always wear safety goggles or glasses with side shields.
- Wear a face or dust mask when working in dust situations. Dust particles can harm your lungs.
- Avoid accidental starting. Ensure the switch is in the off-position before inserting battery pack. Inserting battery packs in vacuums that have the switch on invites accidents.
- Do not overreach. Keep proper footing and balance at all times. This enables better control of the vacuum in unexpected situations.
- Never stand on vacuum or use as a step stool.
- Keep hair, loose clothing, fingers, and all parts of body away from openings and moving parts.
- If devices are provided for the connection of dust extraction and collection facilities, ensure these are connected and properly used. Use of these devices can reduce dust-related hazards.

USE AND CARE

- Use only as described in this manual. Use only manufacturer's recommended attachments.
- Do not use without dust bag and/or filters in place.
- Do not use to pick up flammable or combustible liquids such as gasoline or use in areas where they may be present.
- Do not pick up anything that is burning or smoking such as cigarettes, matches, or hot ashes.

- Do not pick up soot, cement, plaster or drywall dust without filter in place. These are very fine particles that may affect the performance of the motor or be exhausted back into the air.
- To reduce the risk of health hazards from vapors or dust, do not vacuum toxic, carcinogenic or other hazardous materials such as asbestos, arsenic, barium, beryllium, lead, pesticides or other health endangering materials.

•**WARNING:** Some dust created by power sanding, sawing, grinding, drilling, and other construction activities contains chemicals known to cause cancer, birth defects or other reproductive harm. Some examples of these chemicals are:

- lead from lead-based paint
- crystalline silica from bricks and cement and other masonry products, and
- arsenic and chromium from chemically-treated lumber.

Your risk from these exposures varies, depending on how often you do this type of work. To reduce your exposure to these chemicals: work in a well ventilated area, and work with approved safety equipment, such as those dust masks that are specially designed to filter out microscopic particles.

•Do not use your cleaner as a sprayer of flammable liquids such as oil base paints, lacquers, household cleaners, etc.

•Use special care when emptying heavily loaded tanks.

•To avoid spontaneous combustion, empty tank after each use.

•Do not leave vacuum unattended when battery pack is installed. Remove battery pack when not in use and before servicing.

•Do not put any object into openings. Do not use with any opening blocked; keep free of dust, lint, hair, and anything else that may reduce air flow.

•Maintain vacuum. Check for misalignment or binding of moving parts, breakage of parts and any other condition that may affect the vacuum's operation. If damaged, have the vacuum repaired before use. Many accidents are caused by poorly maintained tools.

•Maintain labels and nameplates. These carry important information. If unreadable or missing, contact a MILWAUKEE service facility for a free replacement.

BATTERY PACK USE AND CARE

•Turn off all controls before removing battery pack.

•Remove battery pack whenever motor head is removed from tank.

•Before using the battery pack or charger read the operator's manuals, and any labels on the battery pack, charger and vacuum.

•Recharge only with the charger specified by the manufacturer. A charger that is suitable for one type of battery pack may create a risk of fire when used with another battery pack.


- Use vacuum only with specifically designated battery packs. Use of any other battery packs may create a risk of injury and fire.
- When battery pack is not in use, keep it away from other metal objects like paper clips, coins, keys, nails, screws, or other small metal objects that can make a connection from one terminal to another. Shorting the battery terminals together may cause burns or a fire.
- Do not use damaged battery pack or vacuum. If battery pack or appliance are not working as they should, have been dropped, damaged, left outdoors, or dropped into water, return them to a service center.

SERVICE

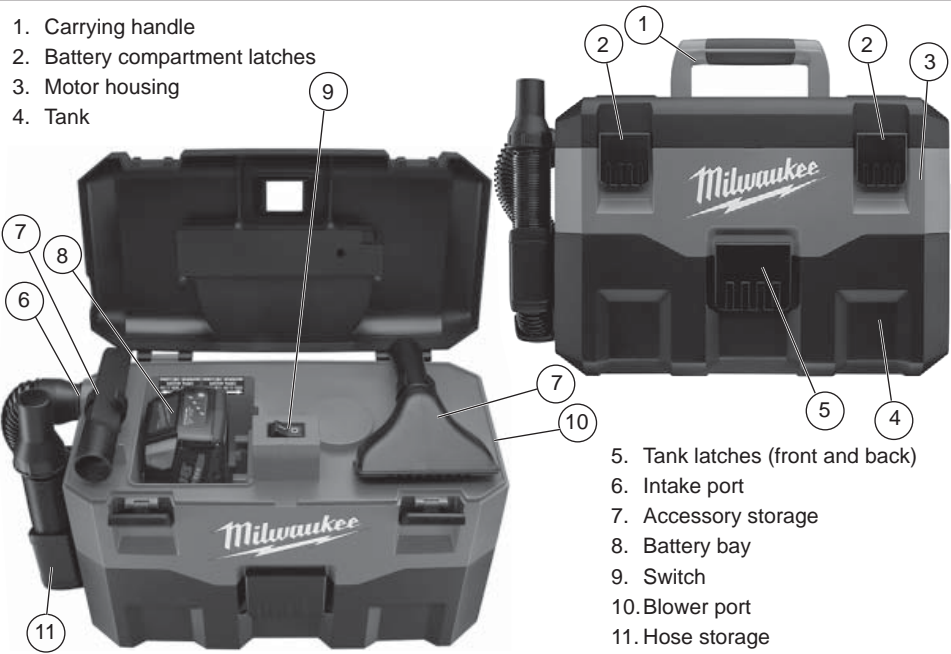
•Have your power tool serviced by a qualified repair person using only identical replacement parts. This will ensure that the safety of the power tool is maintained.

READ AND SAVE ALL INSTRUCTIONS FOR FUTURE USE

SYMBOLLOGY

	Underwriters Laboratories, Inc., United States and Canada		Direct Current
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FUNCTIONAL DESCRIPTION



SPECIFICATIONS

Cat. No.	Volts	Capacity	For use with Battery Packs:	Battery packs for use with chargers:
0780-20	28 DC	2 Gal. (7.5 L)	48-11-2830 M28™	48-59-2818, 48-59-0280
0880-20	18 DC	2 Gal. (7.5 L)	48-11-1830 V18™	48-59-2818, 48-59-0280
			48-11-2230 18 V NiCd	48-59-2818, 48-59-0255, 48-59-0186, 48-59-0260, 48-59-0280
			48-11-1815, 48-11-1828, 48-11-1820, 48-11-1840 18 V Li-Ion	48-59-1801, 48-59-1812

ASSEMBLY

WARNING Always remove battery pack before changing or removing accessories. Only use accessories specifically recommended for this tool. Others may be hazardous.

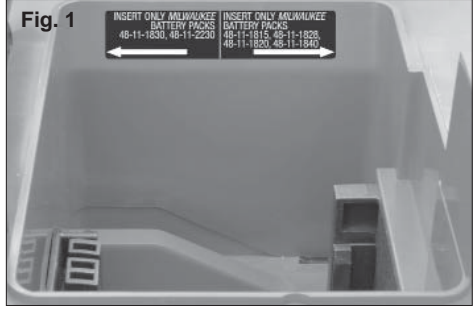
Installing/Removing Battery Pack

1. Lift and release battery compartment latches and open battery compartment.
2. To remove the battery pack, pull it off of the bay.
3. To insert the battery pack, slide it into the battery bay.
NOTE: The 18 V Vacuum has 2 bays available. Use the left side bay for 48-11-1830 V18™ and 48-11-2230 18 V NiCd battery packs. Use the right side bay for 48-11-1815, 48-11-1828, 48-11-1820, and 48-11-1840 18 V Li-ion battery packs.
4. Close battery compartment and secure both latches.

3. To remove the filter, turn it 1/2" counter clockwise and pull it off of the motor housing/float cage.
4. Empty all debris from the tank.
5. To clean the filter, shake off excess dirt or rinse the outside with water. Dry completely.
6. To install the filter, slide it over the float cage. Line up the filter tabs with the motor housing notches and turn it 1/2" clockwise to lock in place.
7. Replace the motor housing and secure both latches.

CAUTION Keep filters clean. Efficiency of the vacuum is largely dependent on the filters. Dirty filters will reduce the air flow and efficiency of the filtration system. Do NOT machine wash or dry.

WARNING To reduce the risk of injury, wear safety goggles or glasses with side shields and dust mask when using the vacuum as a blower. Clean tank completely before use.



WARNING To reduce the risk of injury, always remove the battery pack before releasing the tank latches.

Installing/Removing the Filter

- Use the cartridge filter for dry and wet pickup.
1. Remove the battery pack. Close and latch the battery compartment.
 2. Release the tank latches and lift off the motor housing. Place it upside down on a flat surface.

Pickup/Blower

- The vacuum can be used for debris pickup or as a blower, depending on the port used.
1. For debris pickup, insert the large end of hose into the intake port of the motor housing, lining up the tabs on the hose with the notches in the port. Twist to secure and form a tight fit.
 2. To use as a blower, insert the large end of hose into the blower port of the motor housing, lining up the tabs on the hose with the notches in the port. Twist to secure and form a tight fit.
 3. Attach one of the accessories to the other end of the hose. Twist to form a tight fit. Use 1-1/4" opening accessories.

OPERATION

⚠ WARNING To reduce the risk of fire and injury, do not use to pick up flammable or combustible materials.

⚠ WARNING To reduce the risk of injury, wear safety goggles or glasses with side shields. Remove the battery pack before changing accessories, making adjustments, and removing the motor housing.

Starting and Stopping Vacuum

To turn on the vacuum, push the switch to the ON (I) position.

To turn off the vacuum, push the switch to the OFF (O) position.

Wet Pick-Up Operation

1. Remove ALL dirt and debris found in the tank. Install the filter.
2. Turn on the vacuum and begin pick-up.
3. Turn off the vacuum immediately upon completing a wet pick-up job or when tank is full and ready to be emptied.
4. Remove the battery pack.
5. Raise the hose to drain any excess liquid into the tank.
6. Remove motor housing and pour liquid waste into a suitable drain.
7. Clean the interior of the tank, the filter, and pick-up accessories periodically, more often when used to pick up wet, sticky materials. Use warm, soapy water.

Automatic suction Shut-Off

When picking up liquids, an internal float rises until it seats itself against a seal at the intake of the motor, shutting off suction. When this happens, the motor will develop a higher than normal pitch noise and the suction is drastically reduced. If this occurs, turn off the vacuum immediately. Failure to turn off unit after float rises and shuts off suction will result in extensive damage to the motor. To continue use, empty the liquid waste from the tank.

NOTE: If the vacuum is accidentally tipped over, it could lose suction. Turn off the vacuum and return it to an upright position. The float will return to its normal position.

Storage

Before storing your vacuum, empty and clean the tank, filter, and accessories. Remove the battery pack.

MAINTENANCE

⚠ WARNING To reduce the risk of injury, always unplug the charger and remove the battery pack from the charger or tool before performing any maintenance. Never disassemble the tool, battery pack or charger. Contact a MILWAUKEE service facility for ALL repairs.

Maintaining Tool

Keep your tool, battery pack and charger in good repair by adopting a regular maintenance program. After six months to one year, depending on use, return the tool, battery pack and charger to a MILWAUKEE service facility for:

- Lubrication
- Mechanical inspection and cleaning (gears, spindles, bearings, housing, etc.)
- Electrical inspection (battery pack, charger, motor)
- Testing to assure proper mechanical and electrical operation

If the tool does not start or operate at full power with a fully charged battery pack, clean the contacts on the battery pack. If the tool still does not work properly, return the tool, charger and battery pack, to a MILWAUKEE service facility for repairs.

⚠ WARNING To reduce the risk of personal injury and damage, never immerse your tool, battery pack or charger in liquid or allow a liquid to flow inside them.

Cleaning

Clean dust and debris from charger and tool vents. Keep tool handles clean, dry and free of oil or grease. Use only mild soap and a damp cloth to clean the tool, battery pack and charger since certain cleaning agents and solvents are harmful to plastics and other insulated parts. Some of these include gasoline, turpentine, lacquer thinner, paint thinner, chlorinated cleaning solvents, ammonia and household detergents containing ammonia. Never use flammable or combustible solvents around tools.

Repairs

For repairs, return the tool, battery pack and charger to the nearest service center listed on the back cover of this operator's manual.

ACCESSORIES

⚠ WARNING Always remove battery pack before changing or removing accessories. Only use accessories specifically recommended for this tool. Others may be hazardous.

To obtain a catalog, contact your local distributor or a service center listed on the back cover of this operator's manual.

IMPORTANT SAFETY INSTRUCTIONS

⚠ WARNING WHEN USING AN ELECTRICAL VACUUM, BASIC PRECAUTIONS SHOULD ALWAYS BE FOLLOWED, INCLUDING THE FOLLOWING: READ ALL INSTRUCTIONS BEFORE USING VACUUM. FOR HOUSEHOLD USE ONLY. BEFORE USING THE VACUUM, READ THIS OPERATOR'S MANUAL, BATTERY PACK AND CHARGER OPERATOR'S MANUALS, AND ALL LABELS ON THE VACUUM, BATTERY PACK, AND CHARGER.

WORK AREA SAFETY

- Keep work area clean and well lit. Cluttered or dark areas invite accidents.
- Vacuums have motors and other parts that can produce sparks during normal use. Do not use within 30 feet of areas where explosive materials may be present (such as gasoline pumps and places where liquids like paint thinners, cleaners, solvents, etc. are stored).
- Do not use in the presence of explosive dust, liquids or vapors.
- Do not use where oxygen or anesthetics are used.
- Do not allow to be used as a toy. Close attention is necessary when used by or near children.
- Use extra care when using on stairs.

ELECTRICAL SAFETY

- Wear electrically insulated footwear, such as rubber boots, when vacuuming wet material.
- Do not handle battery pack or vacuum with wet hands.
- Store indoors. Do not expose to rain.

PERSONAL SAFETY

- STAY ALERT. Watch what you are doing and use common sense. Do not use vacuum when you are tired, distracted or under the influence of drugs, alcohol or medication causing diminished control.
- The operation of a vacuum can result in foreign objects being blown into eyes, which can result in eye damage. Always wear safety goggles or glasses with side shields when operating vacuum.
- Wear a face or dust mask when working in dust situations. Dust particles can harm your lungs.
- Avoid accidental starting. Ensure the switch is in the off-position before inserting battery pack. Inserting battery pack in vacuum that has the switch on invites accidents.
- Do not overreach. Keep proper footing and balance at all times. This enables better control of the vacuum in unexpected situations.
- Never stand on vacuum or use as a step stool.
- Keep hair, loose clothing, fingers, and all parts of body away from openings and moving parts.
- Use only as described in this manual. Use only manufacturer's recommended attachments.

USE AND CARE

- Do not use without tank and/or filter properly installed.
- Do not use to pick up flammable or combustible liquids such as gasoline or use in areas where they may be present.
- Do not pick up anything that is burning or smoking such as cigarettes, matches, or hot ashes.
- Do not pick up soot, cement, plaster or drywall dust without filter in place. These are very fine

particles that may affect the performance of the motor or be exhausted back into the air.

• This product is suitable for collection of silica dust when used in accordance with these instructions. To reduce the risk of health hazards from other vapors or dust, do not vacuum carcinogenic, toxic or hazardous materials such as asbestos, arsenic, barium, beryllium, lead, pesticides or other health endangered materials.

⚠ WARNING Some dust created by power sanding, sawing, grinding, drilling, and other construction activities contains chemicals known to cause cancer, birth defects or other reproductive harm. Some examples of these chemicals are:

- lead from lead-based paint
 - crystalline silica from bricks and cement and other masonry products, and
 - arsenic and chromium from chemically-treated lumber.
- Your risk from these exposures varies, depending on how often you do this type of work. To reduce your exposure to these chemicals: work in a well ventilated area, and work with approved safety equipment, such as those dust masks that are specially designed to filter out microscopic particles.
- Use special care when emptying heavily loaded tanks.

• To avoid spontaneous combustion, empty tank after each use.

• Do not leave vacuum unattended when battery pack is installed. Remove battery pack when not in use and before servicing.

• Do not put any object into openings. Do not use with any opening blocked; keep free of dust, lint, hair, and anything else that may reduce air flow.

• Maintain vacuum. Check for misalignment or binding of moving parts, breakage of parts and any other condition that may affect the vacuum's operation. If damaged, have the vacuum repaired before use. Many accidents are caused by poorly maintained tools.

• Maintain labels and nameplates. These carry important information. If unreadable or missing, contact a MILWAUKEE service facility for a free replacement.

BATTERY PACK USE AND CARE

- Use vacuum only with specifically designated battery packs. Use of any other battery packs may create a risk of injury and fire.
- Turn off all controls before removing battery pack.
- Before using the battery pack or charger read the operator's manuals, and any labels on the battery pack, charger and vacuum.
- Recharge only with the charger specified by the manufacturer. A charger that is suitable for one type of battery pack may create a risk of fire when used with another battery pack.

•When battery pack is not in use, keep it away from other metal objects like paper clips, coins, keys, nails, screws, or other small metal objects that can make a connection from one terminal to another. Shorting the battery terminals together may cause burns or a fire.

•Do not use damaged battery pack or vacuum. If battery pack or vacuum are not working as they should, have been dropped, damaged, left outdoors, or dropped into water, return them to a service center.

SERVICE

•Have your power tool serviced by a qualified repair person using only identical replacement parts. This will ensure that the safety of the power tool is maintained.

•Never service damaged battery packs. Service of battery packs should only be performed by the manufacturer or authorized service providers.

SPECIFIC SAFETY RULES

•Before using the vacuum, read this operator's manual, your battery pack and charger operator's manuals, and all labels on the vacuum, battery pack, and charger.

•Never use vacuum without tank and filter properly installed.

•Never use water to clean filter. Tap clean or blow dirt off with compressed air.

•Wear ear protectors. Exposure to noise can cause hearing loss.

READ AND SAVE ALL INSTRUCTIONS FOR FUTURE USE

SYMBOLOLOGY



Volts



Direct Current



Read operator's manual

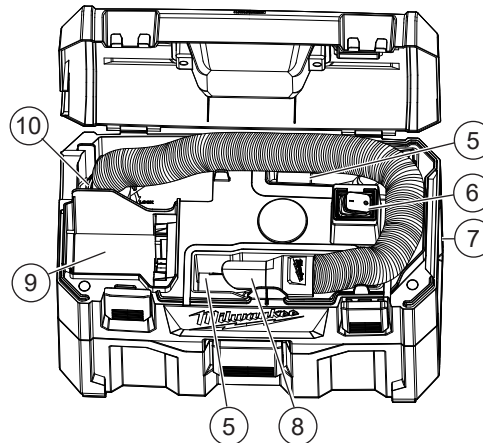
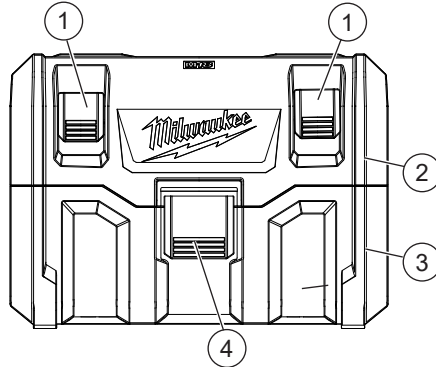


Wear eye protection



UL Listing for Canada and U.S.

FUNCTIONAL DESCRIPTION



1. Battery compartment latches
2. Motor housing
3. Tank
4. Tank latches (front and back)
5. Accessory storage areas
6. Switch
7. Blower port
8. Vacuum inlet
9. Battery bay
10. Intake port

ASSEMBLY

WARNING To reduce the risk of injury, always remove the battery pack before removing the tank.

CAUTION Keep filter clean. Efficiency of the vacuum is largely dependent on the filter. A dirty filter will reduce the air flow and overall efficiency of the system. Do not clean with water. Remove from tank and tap clean or blow off with compressed air.

Removing/Inserting the Battery

To remove the battery, push in the release buttons and pull the battery pack away from the tool.

WARNING Always remove battery pack before changing or removing accessories.

To insert the battery, slide the pack into the body of the tool. Make sure it latches securely into place.

Removing/Installing the Filter

Use the filter for dry pickup only.

1. Remove the battery pack. Close and latch the battery compartment.
2. Release the tank latches and lift off the motor housing. Place it upside down on a flat surface.
3. To remove the filter, turn it 1/2" counter clockwise and pull it off of the motor housing/float cage.
4. Empty all debris from the tank.
5. To clean the filter, tap clean or blow dirt off with compressed air.

NOTE: Never use water to clean filter.

6. To install the filter, slide it over the float cage. Line up the filter tabs with the motor housing notches and turn it 1/2" clockwise to lock in place.
7. Replace the motor housing and secure both latches.

Pick-Up/Blower

The vacuum can be used for debris pick-up or as a blower, depending on the port used.

1. For the debris **pick-up**, insert the large end of the hose into the intake port of the motor housing, lining up the tabs on the hose with the notches in the port. Twist to secure and form a tight fit.
2. To use as a **blower**, insert the large end of hose into the blower port of the motor housing, lining up the tabs on the hose with the notches in the port. Twist to secure and form a tight fit.

WARNING Only use accessories specifically recommended for this tool. Others may be hazardous.

Installing/Removing the Accessories

To install the nozzles, hoses or extensions, push the accessory onto the vacuum inlet.

OPERATION

WARNING To reduce the risk of fire and injury, do not use to pick up flammable or combustible materials.

To reduce the risk of injury, wear safety goggles or glasses with side shields. Empty tank before use.

Before use, ensure the filter and float cage are properly installed. Remove filter before all wet pick-up operations.

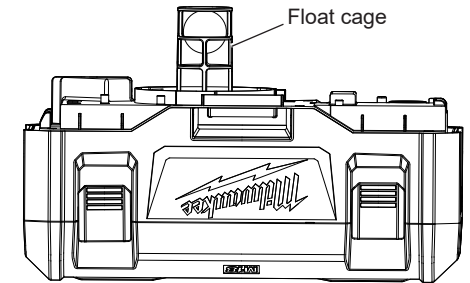
Starting and Stopping Vacuum

To turn on the vacuum, push the switch to the ON (I) position.

To turn off the vacuum, push the switch to the OFF (O) position.

Wet Pick-Up Operation

1. Remove ALL dirt and debris found in the tank.
2. Remove the filter. Ensure that the float cage remains in place.



3. Turn on the vacuum and begin pick-up.
4. Turn off the vacuum immediately upon completing a wet pick-up job or when tank is full and ready to be emptied.

NOTE: If suction shuts off, turn off the vacuum immediately and empty the tank.

5. Remove the battery pack.
6. Raise the hose to drain any excess liquid into the tank.
7. Remove motor housing and pour liquid waste into a suitable drain.
8. Clean the interior of the tank and pick-up accessories periodically, more often when used to pick up wet, sticky materials. Use warm, soapy water.

Automatic Suction Shut-Off

When picking up liquids, an internal float rises until it seats itself against a seal at the intake of the motor, shutting off suction. When this happens, the motor will develop a higher than normal pitch noise and the suction is drastically reduced. If this occurs, turn off the vacuum immediately. Failure to turn off unit after float rises and shuts off suction will result in extensive damage to the motor. To continue use, empty the liquid waste from the tank.

NOTE: If the vacuum is accidentally tipped over, it could lose suction. Turn off the vacuum and return it to an upright position. The float will return to its normal position.

Storage

Before storing your vacuum, empty and clean the tank, filter, and accessories. Remove the battery pack.

Cat. No.....	0880-20
Volts.....	18 DC
Battery Type.....	M18™
Charger Type.....	M18™
Air Flow.....	45 CFM
Suction.....	32 inH2O
Capacity.....	2 Gal. (7.5 L)
Recommended Ambient Operating Temperature.....	0°F to 125°F

MAINTENANCE

⚠WARNING To reduce the risk of injury, always unplug the charger and remove the battery pack from the charger or tool before performing any maintenance. Never disassemble the tool, battery pack or charger. Contact a MILWAUKEE service facility for ALL repairs.

Maintaining Tool

Keep your tool, battery pack and charger in good repair by adopting a regular maintenance program. Inspect your tool for issues such as undue noise, misalignment or binding of moving parts, breakage of parts, or any other condition that may affect the tool operation. Return the tool, battery pack, and charger to a MILWAUKEE service facility for repair. After six months to one year, depending on use, return the tool, battery pack and charger to a MILWAUKEE service facility for inspection.

If the tool does not start or operate at full power with a fully charged battery pack, clean the contacts on the battery pack. If the tool still does not work properly, return the tool, charger and battery pack, to a MILWAUKEE service facility for repairs.

⚠WARNING To reduce the risk of personal injury and damage, never immerse your tool, battery pack or charger in liquid or allow a liquid to flow inside them.

Cleaning

Clean dust and debris from vents. Keep handles clean, dry and free of oil or grease. Use only mild soap and a damp cloth to clean, since certain cleaning agents and solvents are harmful to plastics and other insulated parts. Some of these include gasoline, turpentine, lacquer thinner, paint thinner, chlorinated cleaning solvents, ammonia and household detergents containing ammonia. Never use flammable or combustible solvents around tools.

Repairs

For repairs, return the tool, battery pack and charger to the nearest service center.