

OPERATION AND MAINTENANCE MANUAL

EXPLOSION PROOF / DUST IGNITION PROOF VACUUM CLEANER SYSTEM ELECTRICALLY OPERATED - IMMERSION SEPARATOR "WET (WATER) MIX"

MODEL 61495 DIVISION 1 EXP1-10 (IT-40L) EX CFE HEPA (2+2)



File number: 090716



Designed and Certified for use in Class I - Group D, T3C And Class II - Groups E, F & G Hazardous Locations as defined in the National Electrical Code (NFPA 70)

READ ALL INSTRUCTIONS BEFORE OPERATING, CLEANING OR SERVICING IMPORTANT - SAVE THESE INSTRUCTIONS

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ROUTINE MAINTENANCE FOR MODELS EXP1-IT - IMMERSION SEPARATOR "WET MIX"

- This unit must be filled at all times with water.
- This unit must be filled up to the liquid level indicator line shown on the recovery tank.
- Do not exceed the below recommended maximum dust recovery capacity.

Water required	Max. dust recovery capacity	
3.25 gallons / 12.3 liters	Recovery bag	Tank
	0.80 gallon / 3 liters	1 gallon / 3.8 liters

We recommend proceeding with the following maintenance after each use and after a maximum of 8 hours of consecutive use:

- Drain the water by opening up the manifold drain valve
- Once drained the unit must be disconnected from its power source
- Disengage the latches and remove the power head from the recovery tank
- Discard all recovered material from inside of the recovery tank.
- Thoroughly clean all parts of the unit including the suction hose.
- Once unit is clean install the conductive recovery bag inside the recovery drum <u>and fill it of clean</u> <u>water.</u>

In addition: After 5 hours of consecutive use turn off the vacuum cleaner system and verify the water level

COALESCING FILTER ELEMENT (CFE)

Verify if the CFE needs to be replaced as part of routine maintenance.

CONSULT THE INSTRUCTION MANUAL AT ALL TIMES

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October 4, 2018

1.0 INSPECTION

Carefully unpack and inspect your vacuum cleaner system for shipping damage. Each vacuum cleaner is tested and thoroughly inspected before being shipped; therefore, any damage is the responsibility of the delivering carrier, who should be notified.

2.0 APPLICATIONS

<u>WARNING:</u> A full Process Hazard Analysis has to be conducted by the user for the recovery of dusts in hazardous locations. The recommendations in this manual cannot, in any case, supplant the conclusions of a full Process Hazard Analysis.

The 61495 / EXP1-IT IMMERSION SEPARATOR "WET (WATER) MIX" is an explosion proof / dust ignition proof vacuum cleaner system designed and certified for use in Class I – Group D, T3C and Class II - Groups E, F & G hazardous locations as defined in NFPA 70 (U.S National Electric Code and Canadian Electrical Code)

The 61495 / EXP1-IT IMMERSION SEPARATOR "WET (WATER) MIX" vacuum cleaner system is designed to recover combustible dust. Dust is neutralized by being precipitated into water.

- **WARNING:** It is the user's responsibility to determine if water is appropriate and safe to precipitate and neutralize the specific dust being recovered.
- <u>WARNING:</u> This vacuum cleaner is designed for the recovery of dust only. Do not recover liquids.
- WARNING: Only tools and accessories provided by the manufacturer shall be used with this vacuum cleaner system. The use of other tools and accessories may impair safety.

2.1. APPLICATION IN POTENTIALLY EXPLOSIVE ATMOSPHERES IN PRESENCE OF FLAMMABLE GASES, VAPORS OR LIQUIDS

The 61495 / EXP1-IT IMMERSION SEPARATOR "WET (WATER) MIX" vacuum cleaner system is designed and certified for use in Class I, Division 1, Group D Hazardous Locations, which representative gas is Propane, and where ignitable concentrations of flammable gases, vapors or liquids can exist all of the time or some of the time under normal operating conditions.

- WARNING: The maximum surface temperature of the vacuum cleaner (T3C 160°C) must always be lower than the ignition temperature of the gas present in the hazardous location.
- <u>WARNING:</u> The 61495 / EXP1-IT IMMERSION SEPARATOR "WET (WATER) MIX" vacuum cleaner system can be used in areas where flammable liquids and solvents are present but cannot be used to recover flammable liquids and solvents.
- <u>WARNING:</u> It is the user's responsibility to conduct a full Process Hazard Analysis in regard to the compatibility of the dusts recovered and the flammable gases, vapors or liquids and other combustible dusts present in the hazardous location.

2.2. APPLICATION IN POTENTIALLY EXPLOSIVE ATMOSPHERES IN PRESENCE OF COMBUSTIBLE DUST

The 61495 / EXP1-IT IMMERSION SEPARATOR "WET (WATER) MIX" vacuum cleaner system is designed and certified for use in Class II, Division 1, Groups E, F, G Hazardous Locations, which representative dusts are metals, coal and grain, where ignitable concentrations of combustible dust can exist all of the time or some of the time under normal operating conditions.

The 61495 / EXP1-IT IMMERSION SEPARATOR "WET (WATER) MIX" vacuum cleaner system can be used to recover a maximum of 1 gallon (3.8 liters) of combustible dusts directly in the recovery tank or 0.8 gallon (3 liters) of combustible dust in the conductive recovery bag within 3.25 gallons / 12.3 liters of water:

WARNING: It is the user's responsibility to determine if water is appropriate and safe to precipitate and neutralize the specific dust being recovered.

WARNING: DO NOT RECOVER ANY HOT EMBERS OR IGNITED DUSTS.

3.0 IMPORTANT SAFETY PRECAUTIONS

3.1. DEGASSING VENT

A degassing vent is installed on the vacuum cleaner system as a safety feature to prevent gas from building up in the immersion separator. Any gas which may develop escapes through the vent.



WARNING: It is the user's responsibility to conduct a risk assessment as to determine which gas may develop both during operation and idle time caused by chemical reactions between water present in the immersion separator and the dusts recovered and to determine the safety measures to observe in presence of the concerned gas.

3.2. LAYERS OF DUST

WARNING: Clean regularly the vacuum cleaner system surfaces with a damped cloth to avoid dust accumulation which could create a potential source of ignition.

3.3. FLAMMABLE LIQUIDS

WARNING: THIS VACUUM CLEANER SYSTEM IS NOT DESIGNED TO RECOVER FLAMMABLE LIQUIDS. DO NOT USE THIS VACUUM CLEANER SYSTEM TO RECOVER FLAMMABLE LIQUIDS.

3.4. IMPORTANT SAFETY PRECAUTIONS IN REGARD TO ELECTROSTATIC CHARGES GENERATION

When the vacuum cleaner system is used as recommended in this manual it has been determined that no significant or continuous electrostatic charge accumulation, which could act as a potential ignition source, can occur.

Nevertheless, it is recommended for safe use not to perform any specific action on the insulating items assembled on the vacuum cleaner system, such as a continuous and intense manual rubbing, which could lead to a significant electrostatic charge accumulation.

The above instructions are to be observed particularly in regard to the plastic wheel covers.

4.0 PRE-USAGE INSTRUCTIONS

- <u>WARNING:</u> This vacuum cleaner system must be properly grounded. DO NOT OPERATE UNIT WITHOUT A PROPER GROUND SOURCE.
- <u>WARNING:</u> Use only original replacement parts from the manufacturer or from one of its authorized distributors.
- <u>WARNING:</u> The vacuum cleaner system is supplied without an electrical plug. It is the user's responsibility to install a suitable plug certified for the hazardous location classification.
- <u>WARNING:</u> The plug should be installed by a qualified electrician only. The plug must be plugged into an appropriate outlet that is properly installed and grounded in accordance with all local codes and ordinances.
- <u>WARNING:</u> The vacuum cleaner system is for dry use only and is not to be used or stored outdoors in wet conditions.
- <u>WARNING:</u> Before use, operators should be provided with information, instruction and training for the use of the vacuum cleaner system and the substances for which it is to be used, including the safe method of removal and disposal of the material collected
- **WARNING:** The immersion separator should be clean and dry before operation.
- <u>WARNING:</u> Improper use of this vacuum cleaner system will result in the voiding of the warranty.
- **WARNING:** Proceed with sound measurements in the working zone while operating the vacuum cleaner. Hearing protection may be required in accordance with the applicable regulations.

- a. Consult local electric code and authority having jurisdiction before operation. Make sure the electrical installation is compatible with the voltage stated on the nameplate.
- b. Examine the vacuum cleaner system's power cable for damage (cracking or ageing) before use. Return to manufacturer for servicing if damaged. Use only the power cable supplied with the unit or one purchased from the manufacturer.
- c. Do not pull vacuum cleaner system by the power cable.
- d. Inspect the vacuum cleaner system's air supply hose before use. Return to manufacturer for servicing if damaged. Use only air supply hose supplied with the unit or purchased from the manufacturer.
- e. Do not pull vacuum cleaner system by the air supply hose.
- f. Turn off the vacuum cleaner system and unplug the power cable before servicing or storing the vacuum cleaner system. Clean and service this vacuum cleaner system <u>only in a NON-HAZARDOUS LOCATION.</u>
- g. Always shut off main air supply and open ball valve on the vacuum cleaner system to relieve the line pressure before disconnecting the air supply hose.

WARNING: Use caution when connecting and disconnecting compressed air lines. When static air pressure is suddenly released, it can cause the airline to whip.

- h. This vacuum cleaner system is designed for indoor use only.
- i. The vacuum cleaner system shall only be operated when the CFE HEPA filter is in position and undamaged.
- j. Connect to a properly grounded outlet only. See Grounding Instructions.
- k. Do not use extension cords

5.0 PRE-CAUTIONS FOR THE RECOVERY OF HAZARDOUS MATERIALS

<u>WARNING:</u> The vacuum cleaner system not equipped with a CFE HEPA filter <u>is</u> <u>not suitable</u> for the recovery of hazardous materials.

DANGER: If the vacuum cleaner system is used to recover toxic or nuisance materials, the following safety precautions must be taken:

- a. The vacuum cleaner system must be equipped with a CFE HEPA filter.
- b. Service and operation should only be carried out by trained personnel.
- c. Appropriate clothing and personal protective equipment should be worn when operating or servicing the vacuum cleaner system.
- d. Dispose of collected materials responsibly. Follow applicable government regulations for the disposal of hazardous materials.
- <u>WARNING:</u> This appliance contains dust hazardous to health. Emptying and maintenance operations, including removal of the dust collection means, must only be carried out by authorized personnel wearing suitable personal protection. Do not operate without the full filtration system fitted.
- **NOTE:** Any health hazard associated with the use of this vacuum cleaner system in conjunction with the recovery of asbestos and other hazardous substances has not been investigated.

6.0 GROUNDING INSTRUCTIONS

This vacuum cleaner system must be properly grounded. If it should malfunction or breakdown, grounding provides a path of least resistance for electric current to reduce the risk of electric shock. This vacuum cleaner system is equipped with a cord having an equipment-grounding conductor. The vacuum cleaner system is supplied without an electrical plug. It is the user's responsibility to install a suitable plug certified for the hazardous location classification.

The plug shall be installed by a qualified electrician only. The plug must be plugged into an appropriate outlet which is properly installed and grounded in accordance with all local codes and ordinances. Ensure the fuse/breaker on the electrical panel is of the correct rating and exceeds the maximum current rating shown on the nameplate of the vacuum unit. Test the electrical continuity of the vacuum cleaner system prior use. (See section "Testing for ground continuity").

- <u>WARNING:</u> This vacuum cleaner system is equipped with conductive wheels, which allow for the vacuum cleaner system to be grounded with the floor. Do not substitute the conductive wheels and use only replacement conductive wheels supplied by the manufacturer.
- WARNING: Improper connection of the equipment-grounding conductor can result in a risk of electric shock. Check with a qualified electrician or service person if you are in doubt as to whether an outlet is properly grounded. If the plug will not fit the outlet, have a proper plug or outlet installed by a qualified electrician. No adaptor should be used with this vacuum cleaner system.
- <u>WARNING:</u> To effectively dissipate static electricity and to ensure spark-free operation, this vacuum cleaner system must be grounded during use.
- **DANGER:** Do not operate the vacuum cleaner system if the electrical outlet is not properly grounded or if the grounding is questionable.

7.0 TESTING FOR GROUND CONTINUITY

WARNING: Test the electrical continuity of the vacuum cleaner system before use. This will ensure that any static electricity that is produced while vacuuming will be discharged to ground.

<u>WARNING:</u> Use only original replacement parts from the manufacturer or from one of its authorized distributors.

An ohm-meter is required to perform the following electrical continuity test.

- a. Disconnect the power cable from the outlet.
- b. Make sure that all the latches on the vacuum cleaner system are fastened.
- c. Disconnect the suction hose from the vacuum cleaner system.
- d. Using the ohm-meter test for the electrical continuity of the vacuum cleaner system from the ground pin on the electrical plug to the suction intake. A reading of 10 ohms or less is satisfactory to ensure proper grounding and static dissipation.
- e. Using the ohm-meter test for the electrical continuity of the suction hose from one end to the other. A reading of 10⁹ ohms or less is satisfactory to ensure proper grounding and static dissipation.
 - <u>IMPORTANT:</u> If you obtain a reading higher than what is indicated above it is possible your vacuum cleaner system could not ensure a proper dissipation of static electricity. In such case some maintenance is needed.

8.0 FILTRATION SYSTEM



9.0 OPERATING INSTRUCTIONS

<u>WARNING:</u> Turn off the vacuum cleaner system and unplug the power cable before servicing.

a. <u>Shut off main air supply</u> and <u>open ball valve</u> on the frame of the vacuum cleaner system to relieve the pressure in the air supply hose.





b. Once the pressure has been relieved close ball valve on the frame of the vacuum cleaner system



c. Disengage the latches and remove the power head from the recovery tank



- <u>WARNING:</u> Before use the inside of the recovery tank, the suction hose and accessories should be clean and dry
- d. <u>When used with a conductive recovery bag:</u> Attach the conductive recovery bag to the suction intake inside the recovery tank using clamp.



e. Fill the wet mix immersion separator with water up to the appropriate level



f. If liquid foams upon agitation, use a de-foaming agent. Add the prescribed amount of defoaming agent into the immersion separator in order to prevent foam from entering the powerhead.

<u>WARNING:</u> Do not add any foaming agent to water. Foam could damage parts located in the powerhead of the vacuum cleaner system.

g. Place back the powerhead on the recovery tank and fasten the latches

h. Connect the airline hose of a suction/air hose to the air outlet placed on the frame of the vacuum cleaner system



- i. Attach the suction hose of a suction/air hose to the suction intake on the side of immersion separator.
- j. Connect a sander/pneumatic tool to the end of the suction hose of the suction/air hose.
- **WARNING:** Always wear eye protection when sanding or grinding even if using vacuum assisted tools.
- <u>WARNING:</u> It is the user's responsibility to determine the type of protective clothing and respiratory equipment required.
- **IMPORTANT:** Carefully read and follow the instructions provided with the vacuum assisted sander or grinder to ensure proper operation.
- <u>WARNING:</u> This vacuum cleaner is designed for the recovery of dry material only. Do not recover liquids.
- k. Test the electrical continuity of the vacuum cleaner system before use. This will ensure that any static electricity that is produced while vacuuming will be discharged to ground. (see section "TESTING FOR GROUND CONTINUITY")

- I. Connect the vacuum cleaner to a grounded electrical outlet.
- m. Open the main air supply and the ball valve on the vacuum cleaner system.





- n. To turn the vacuum cleaner on, turn switch to the ON position
- o. Operate the sander/pneumatic tools as required.
- <u>WARNING:</u> Follow the instructions provided with the sander/pneumatic tool to ensure proper operation.
- **<u>CAUTION:</u>** Operating the tools while the vacuum is turned off will allow dust and particulate that would have otherwise been captured to be released into the work location.

10.0 CLEANING AND MAINTENANCE

WARNING: Turn off the vacuum cleaner system and unplug the power cable before servicing.

a. <u>Shut off main air supply</u> and <u>open ball valve</u> on the frame of the vacuum cleaner system to relieve the pressure in the air supply hoses.





b. Once the pressure has been relieved close ball valve on the frame of the vacuum cleaner system



VERIFICATION OF WATER LEVEL

After 5 hours of consecutive use turn off the vacuum cleaner system and verify the water level is still between the indicated minimum and maximum levels. If the water level is below the indicated minimum level adjust by filling the wet mix immersion separator with water up to the appropriate level



IMPORTANT: In order to check the level of water the vacuum cleaner system needs to be shut down.

IMPORTANT: We recommend proceeding with the following maintenance after each use and after a maximum of 8 hours of consecutive use

a. Use the drain valve to empty collected material.

<u>WARNING:</u> Empty collected material as soon as water reaches the maximum indicated level.

b. To operate drain valve lift the safety ring and turn the handle. Optional drain hoses are available for use with the drain valve.



- **WARNING:** Empty collected materials into suitable container.
- <u>WARNING:</u> Empty the immersion separator when necessary but also after each use (8 hours shift). Do not allow recovered materials to sit for extended periods of time. An excessive accumulation of recovered materials can create a dust ignition hazard.

- c. Dispose of collection bag when full and replace by a new collection bag
- d. Clean the recovery tank and remove all remaining material
- e. Clean hose to remove any accumulated dust, debris or material recovered.

<u>WARNING:</u> Be sure to remove any remaining materials after use by rinsing and cleaning the recovery tank, the suction hose and accessories.

- f. Check the Coalescing Filter Element (CFE) HEPA grade regularly and replace when saturated
- g. The CFE HEPA filter should be replaced yearly, or every two years, depending on use. (Refer to "Filtration system" and "Assembling and replacing the CFE HEPA filter")
- **WARNING:** Do not use the CFE HEPA filter after removal out of the appliance.
- <u>WARNING:</u> Keep the power supply cable clean and inspect it regularly for cuts or cracks
- **WARNING:** Keep the air supply hose clean and dry.
- <u>WARNING:</u> When carrying out service or repair operations, all contaminated items which cannot be satisfactorily cleaned, are to be disposed of. Such items shall be disposed of in impervious bags in accordance with any current regulation for the disposal of such waste;
- <u>WARNING:</u> Clean regularly the vacuum cleaner system surfaces with a water damped cloth to avoid dust accumulation.

11.0 ASSEMBLING AND REPLACING THE CFE HEPA FILTER

A CFE HEPA filter is designed for filtration of ultra-fine particles. A clogged CFE HEPA filter will reduce the air flow thereby reducing the vacuum's performance thus requiring replacement.

The life of the CFE HEPA filter depends greatly on the use of the vacuum cleaner system. It is recommended the CFE HEPA filter be replaced once a year if the vacuum is used intensively (daily). The filters can be replaced every two years if the vacuum cleaner system is used less frequently (two or three times per week)

- <u>WARNING:</u> If the vacuum cleaner system is used for the recovery of toxic materials proper clothing and the use of an appropriate breathing apparatus is necessary when assembling and replacing the CFE HEPA filter or any other contaminated part of the unit.
 - a. Disconnect the power cable from the outlet.
 - b. <u>Shut off main air supply</u> and <u>open ball valve</u> on the frame of the vacuum cleaner system to relieve the pressure in the air supply hoses.





c. Once the pressure has been relieved close ball valve on the frame of the vacuum cleaner system



- d. Disengage the latches and remove the power head from the recovery tank.
- e. Unscrew the hex nut securing the CFE HEPA filter to the underside of the lid.
- f. Spare the washer and gasket placed under the CFE HEPA filter
- g. Discard the old CFE HEPA filter
- h. Insert the new CFE HEPA filter
- i. Securely fasten the CFE HEPA filter using the gasket, the washer and the hex nut.
- j. Dispose of the contaminated filter according to government regulations. (If applicable)

12.0 MOTOR MAINTENANCE

The motor used in this vacuum cleaner system is designed for maintenance free operation and it does not need to be serviced. However, clean regularly the vacuum cleaner system surfaces with a damped cloth to avoid dust accumulation.

13.0 STORAGE

It is recommended that the inside of the recovery tank be clean and dry when storing the vacuum cleaner system.

14.0 TROUBLESHOOTING:

PROBLEM	PROBABLE CAUSE	SOLUTION
Drop in suction power	Immersion separator may be full	Empty the immersion separator
	Suction hose or vacuum tools may be blocked	Clear blockage using a broom handle or other appropriate device
	CFE HEPA filter may be clogged	Change the CFE HEPA filter



EXP1 MODELS CERTIFIED FOR: CLASS I, DIVISION 1, GROUP D T3C AND US CLASS II, DIVISION 1, GROUPS E, F & G

DYNABRADE EXP1-10 IT-40L 2+2 EX CFE HEPA CSA





DYNABRADE EXP1-10 IT-40L 2+2 EX CFE HEPA CSA

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EXP1 MODELS CERTIFIED FOR: CLASS I, DIVISION 1, GROUP D T3C AND CLASS II, DIVISION 1, GROUPS E, F & G

DYNABRADE EXP1-10 IT-40L 2+2 EX CFE HEPA CSA POWER HEAD

	PART LIST			
ITEM	PART NUMBER	DESCRIPTION	QTY	
1	62968	LID W/BRACKET	1	
2	62366	GASKET	1	
3	62379	MOTOR	1	
4	62381	GASKET	1	
5	62969	LOWER MOTOR HOUSING	1	
6	62798	PLUG	1	
7	62608	POWER CABLE	15M	
8	62970	CROUSE HINDS WIRE MESH	1	
9	62385	CORD CONNECTOR 211186	1	
10	62384	SWITCH	1	
11	62971	REDUCER BUSHING	1	
12	62972	ROUNDED HEAD SCREW	4	
13	62354	HANDLE	2	
14	62506	SCREW	4	
15	62620	SEAL WASHER	4	
16	62520	GASKET	1	
17	62383	CONNECTOR	1	
18	62681	REPLACEMENT COALESCING FILTER ELEMENT	1	
19	62363	HEX NUT	4	
20	62937	LOCK WASHER	2	
21	62662	THREADED ROD	1	
22	62880	GASKET	1	
23	62878	FLAT WASHER	1	
24	62590	BOLT	4	
25	62355	SEAL WASHER	4	
26	62974	HEX HEAD SCREW	4	
27	62443	ACORN NUT	4	
28	62377	HEX NUT	12	
29	62367	SPRING WASHER	8	
30	62371	SEAL WASHER	4	
31	62409	PLASTIC SPACER	8	
32	62975	PLASTIC SPACER	4	
33	62976	POWER CABLE ASSEMBLY	1	
34	62399	SEAL WASHER	4	













DETAIL B

DETAIL



DETAIL



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EXP1 MODELS CERTIFIED FOR: CLASS I, DIVISION 1, GROUP D T3C AND CLASS II, DIVISION 1, GROUPS E, F & G

DYNABRADE EXP1-10 IT-40L 2+2 EX CFE HEPA CSA TANK

	PART LIST			
ITEM	PART NUMBER	DESCRIPTION	QTY	
1	62942	DRUM W/WHEEL BRACKET	1	
2	62996	NIPPLE	1	
3	62944	DRAIN VALVE ONLY	1	
4	62945	NIPPLE	1	
5	62946	CAMLOCK	1	
6	62947	INTAKE COUPLER	1	
7	62948	CAMLOCK	1	
8	62949	ELBOW	1	
9	62950	GASKET	1	
10	62995	ELBOW	1	
11	62952	SHIM WASHER	1	
12	62961	LARGE-OD FLAT WASHER	1	
13	62356	FLAT WASHER	1	
14	62962	CONDUCTIVE RECOVERY BAG	1	
15	62997	HEX BOLT	1	
16	62464	WHEEL COVER	4	
17	62397	LATCH	3	
18	62457	SCREW	6	
19	62399	SEAL WASHER	6	
20	62441	HEX NUT	6	
21	62954	CLIP FOR STORAGE CAP	1	
22	62572	CAMLOCK	1	
23	62955	CONE WITH CAGE	1	
24	62689	EDGE TRIM	1	
25	62758	Hydrogen Relief Valve	1	
26	62956	LIQUID LEVEL INDICATOR	1	
27	62957	ELBOW	1	
28	62958	WORM - DRIVE CLAMPS	1	
29	62959	MESH FILTER	1	
30	62960	MESH FILTER	5	
31	62443	ACCORN NUT	1	
32	96617	IMMERSION SEPARATOR LABEL	1	
33	96619	EXPLOSION LABEL	1	
34	96616	RAPTOR LABEL	1	
35	96618	HEPA LABEL	1	
36	19920	DYNABRADE LABEL	1	
37	62965	MIST ARRESTOR SCREENS (SET OF 6 SCREEN)	1	
38	62966	CONE ASSEMBLY	1	
39	62967	CONDUCTIVE RECOVERY BAG (PACK OF 3)	1	



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EXP1 MODELS CERTIFIED FOR: CLASS I, DIVISION 1, GROUP D T3C AND CLASS II, DIVISION 1, GROUPS E, F & G

DYNABRADE EXP1-10 IT-40L 2+2 EX CFE HEPA CSA CART

	PART LIST			
ITEM	PART NUMBER	DESCRIPTION	QTY	
1	62790	CARRIAGE FRAME	1	
2	62791	REAR WHEEL	2	
3	62499	DOWEL	2	
4	62498	CAP	2	
5	62448	HEX BOLT	2	
6	62998	ZAMAK WASHER	2	
7	62645	NUT	2	
8	62352	BOLT	4	
9	62793	BUSHING	2	
10	61507	HOSE HANGER	2	
11	62458	FLANGE NUT	6	
12	62999	SCREW W/SERRATED FLANGE	4	
13	62818	FLAT WASHER	2	
14	62723	BRACKET	1	
15	62556	MANIFOLD	1	
16	62598	REDUCER BUSHING	1	
17	62362	PRESSURE GAUGE	1	
18	62596	90 DEGREES ELBOW	1	
19	62599	HEX NIPPLE	1	
20	62365	BALL VALVE BRASS	1	
21	62351	MALE QUICK DISCONNECT	1	
22	62994	HEX SOCKET PLUG	1	
23	62548	QUICK DISCONNECT, FEMALE	1	
24	62419	SCREW	2	
25	62699	SCREW	2	
26	62481	FLAT WASHER	2	
27	62688	WHEEL	2	
28	62684	CARRIAGE FRAME ASSEMBLY	1	