OPERATION AND MAINTENANCE MANUAL

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

MODEL 61496 DIVISION 1

ATEX-10A (IT-40L) CFE HEPA (2+2)

Designed for Use in Class I, Division 1, Groups A, B, C and D, T6;
and Class II, Division 1, Groups E, F, G Hazardous Locations
as defined in the National Electric Code (NFPA 70)

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

ROUTINE MAINTENANCE FOR IMMERSION SEPARATOR "WET MIX" MODEL ATEX-10A IT-40L CFE HEPA

- **This unit must be filled with water at all times during operation.**
- **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	
	Recovery bag	Tank
3.25 gallons / 12.3 liters	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 and fill it of clean water.**

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.

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July 12, 2019

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

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

The 61496 ATEX-10A IT-40L CFE HEPA IMMERSION SEPARATOR "WET (WATER) MIX" is a pneumatic (air-operated) explosion proof / dust ignition proof vacuum cleaner system designed for use in Class I, Division 1, Groups A, B, C & D, T6 and Class II, Division 1, Groups E, F & G hazardous locations as defined in NFPA 70 (U.S National Electric Code and Canadian Electrical Code)

The 61496 ATEX-10A IT-40L CFE HEPA 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.**

WARNING: **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 61496 ATEX-10A IT-40L CFE HEPA IMMERSION SEPARATOR "WET (WATER) MIX" is designed for use in Class I, Division 1 - Groups A, B, C and D, T6 which representative gases are Acetylene and Hydrogen, Hazardous Locations, 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 (85ºC/185ºF) must always be lower than the ignition temperature of the gas present in the hazardous area.**

WARNING: **The 61496 ATEX-10A IT-40L CFE HEPA IMMERSION SEPARATOR "WET (WATER) MIX" can be used in areas where flammable liquids and solvents are present but cannot be used to recover flammable liquids and solvents.**

WARNING: **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 61496 ATEX-10A IT-40L CFE HEPA IMMERSION SEPARATOR "WET (WATER) MIX" is designed 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 61496 ATEX-10A IT-40L CFE HEPA IMMERSION SEPARATOR "WET (WATER) MIX" **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: **THE IMMERSION SYSTEM WILL EXTINGUISH A HOT PARTICLE SUCH AS GRINDING SPARKS. NONETHELESS, COLLECTED HOT EMBERS OR IGNITED DUSTS CAN IGNITE COMBUSTIBLE DUST IN THE SUCTION HOSE. MAKE SURE TO CLEAN THE SUCTION HOSE ON A REGULAR BASIS TO REMOVE ALL REMAINING COLLECTED COMBUSTIBLE DUST.**

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 COMPRESSED AIR REQUIREMENTS

IMPORTANT: **The compressed air has to be clean, dry and oil free to prevent blockage of the pneumatic system.**

Minimum diameter of air supply hose and fittings	0.5" (12.7mm)
Input air pressure for ideal performance	80 PSI (5.5. bars)
Input air volume for ideal performance	35-45 CFM (59.5-76.5 cu. meters / hour)
Minimum compressor size	15 HP

IMPORTANT: **Do not downsize the compressed air fittings or air supply line. Downsizing the fittings will result in a reduction of the vacuum cleaner's performance.**

IMPORTANT: **Brass (or stainless steel) fittings are required to ensure spark free operation and to ensure ground continuity between vacuum cleaner and the compressed air supply.**

5.0 PRE-USAGE INSTRUCTIONS

WARNING: **DO NOT OPERATE UNIT WITHOUT A PROPER GROUND SOURCE. This unit is designed to operate on a grounded main air supply outlet. It is the responsibility of the user to ensure that the main air supply outlet is grounded.**

WARNING: **Use only original replacement parts from the manufacturer or from one of its authorized distributors.**

WARNING: **The vacuum cleaner system is for dry use only and is not to be used or stored outdoors in wet conditions.**

WARNING: **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.**

WARNING: **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. Do not pull vacuum cleaner system by the by the air supply hose.

b. Turn off the vacuum cleaner and disconnect the air supply hose before servicing or storing the pneumatic explosion proof vacuum cleaner. Clean and service this vacuum cleaner system only **in a NON-HAZARDOUS LOCATION**.

c. Always shut off main air supply and open ball valve on the vacuum 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.**

d. The immersion separator should be clean and dry before operating the vacuum cleaner system.

e. This vacuum cleaner system is designed for indoor use only.

f. The vacuum cleaner system shall only be operated when the CFE HEPA filter is in position and undamaged.

g. Brass (or stainless steel) fittings are required to ensure spark free operation and to ensure ground continuity between vacuum cleaner and the compressed air supply

6.0 PRE-CAUTIONS FOR THE RECOVERY OF HAZARDOUS MATERIALS

WARNING: **The vacuum cleaner system not equipped with a CFE HEPA filter is not suitable 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.

WARNING: **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.**

7.0 GROUNDING INSTRUCTIONS

This vacuum cleaner must be properly grounded. If it should malfunction or breakdown, grounding provides a path of least resistance for electric current to prevent the build-up static electrical charge and to ensure that static electricity is discharged to ground. The build-up of static electricity could create a sparking hazard and an ignition hazard.

It is the responsibility of the user to ensure that the compressed air supply outlet is grounded. Test the electrical continuity of the vacuum cleaner system prior use. (See section “Testing for ground continuity”).

WARNING: **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: **To effectively dissipate static electricity and to ensure spark-free operation, this vacuum cleaner system must be grounded during use.**

DANGER: **Do not operate vacuum cleaner if the air supply outlet is not properly grounded or if the grounding is questionable.**

8.0 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.**

WARNING: **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 air supply hose from the compressed air supply.

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. Connect the air supply hose to the compressed air inlet on the vacuum cleaner.

e. Using an ohm-meter test for the electrical continuity of the air supply hose from one metallic end to the other. A reading of 10 ohms or less is satisfactory to ensure proper grounding and static dissipation.

f. Using the ohm-meter test for the electrical continuity of the vacuum cleaner from the end of the air supply hose to the suction intake of the vacuum cleaner. A reading of 10 ohms or less is satisfactory to ensure proper grounding and static dissipation.

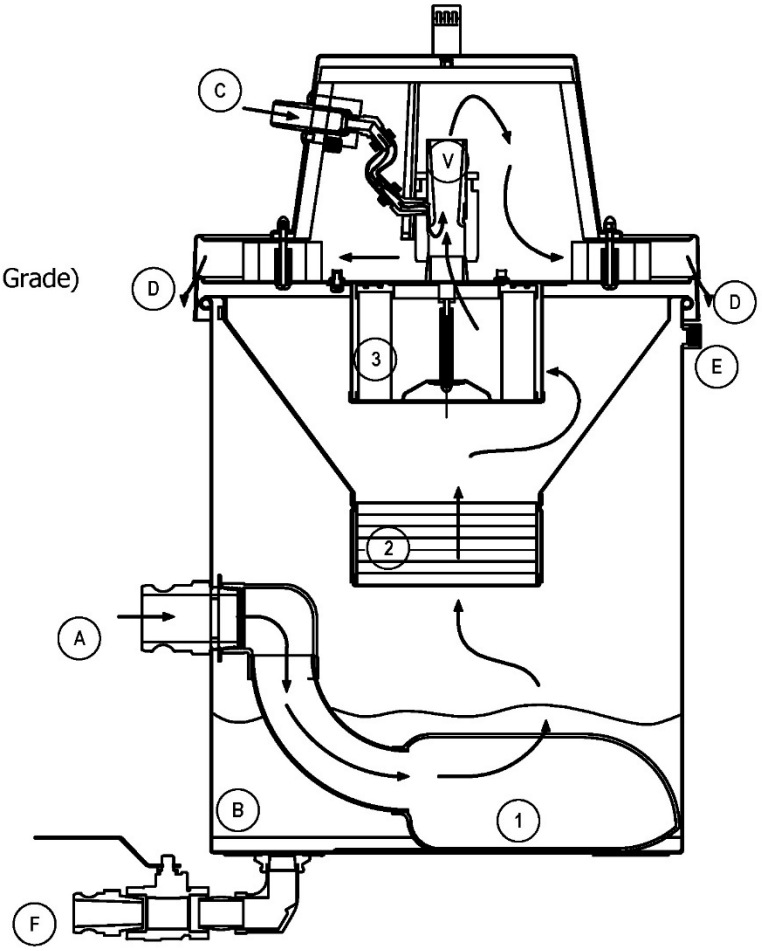
g. Using the ohm-meter test for the electrical continuity of the suction hose from one end to the other. a reading of 10^9 ohms or less is satisfactory to ensure proper grounding and static dissipation.

IMPORTANT: **If you obtain a reading higher than what is indicated above it is possible your vacuum cleaner system does not ensure a proper dissipation of static electricity and needs some maintenance.**

9.0 FILTRATION SYSTEM

A: Suction Intake
B: Water
C: Compressed Air Inlet
D: Working Air Exhaust
E: Degrassing Vent
F: Drain Valve
V: Venturi

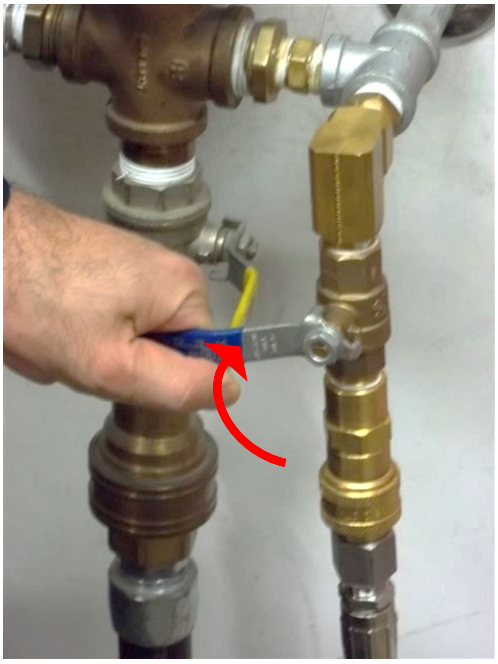
1: Conductive Recovery Bag
2: Mist Arrestor Pack
3: Coalescing Filter Element (Hepa Grade)



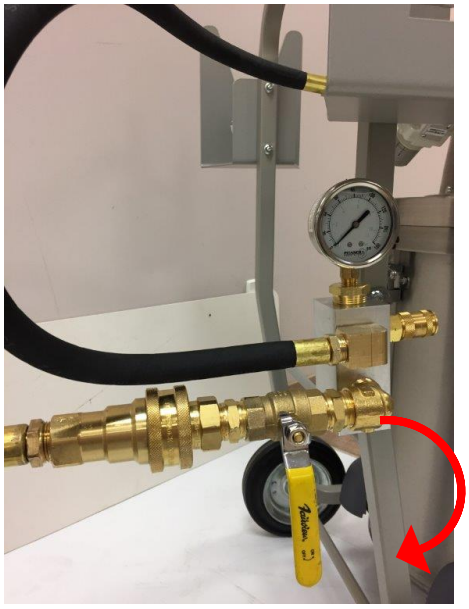
10.0 OPERATING INSTRUCTIONS

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

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

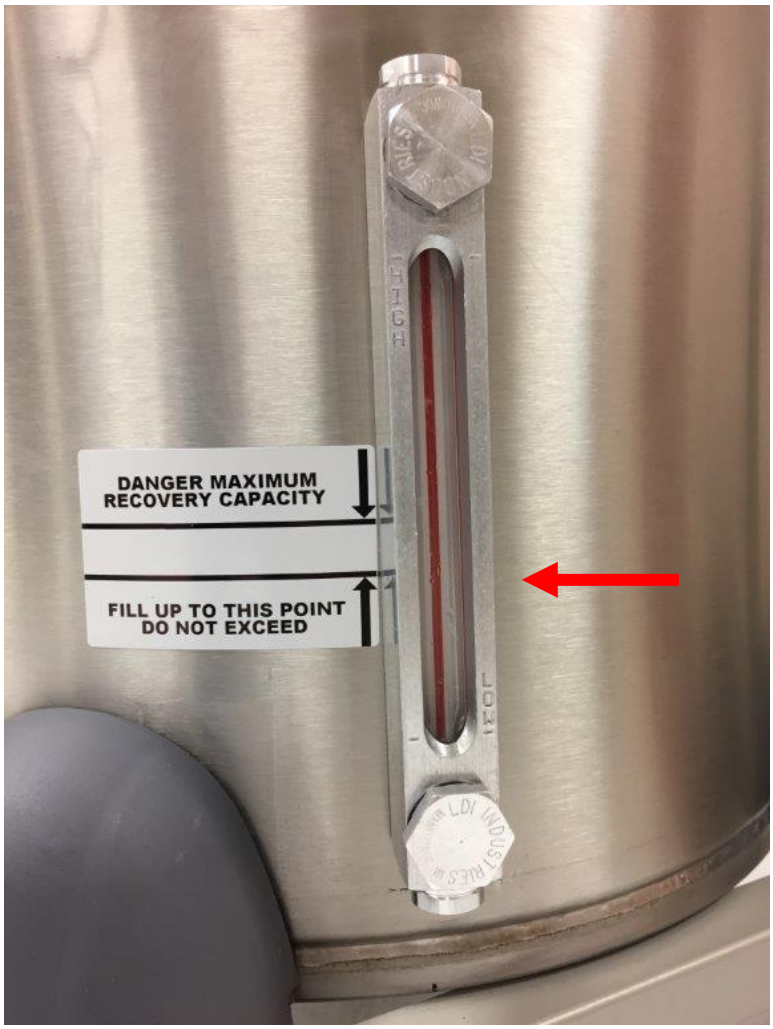


c. Disengage the latches and remove the power head from the recovery tank

<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

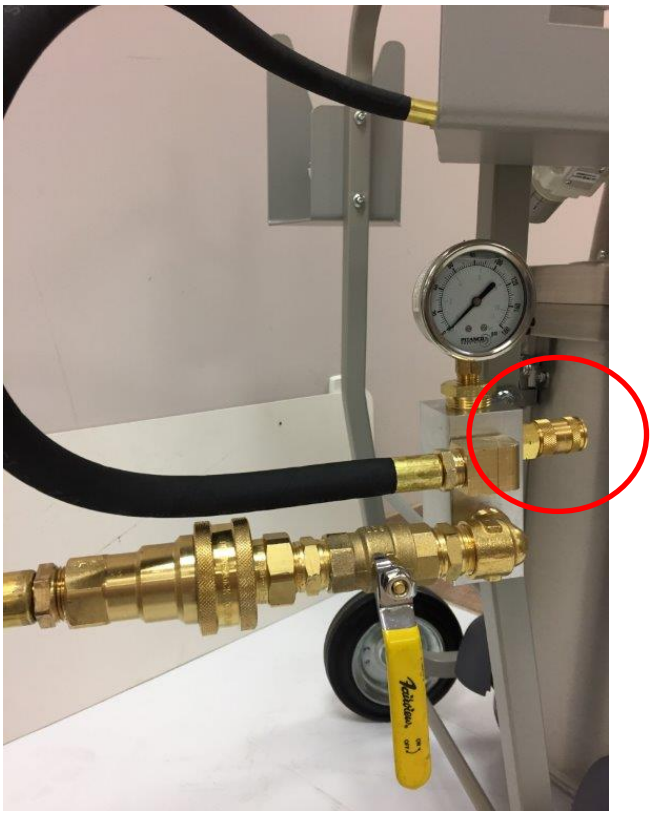


f. If liquid foams upon agitation, use a de-foaming agent. Add the prescribed amount of de-foaming agent into the immersion separator in order to prevent foam from entering the powerhead.

<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.**

WARNING: **It is the user's responsibility to determine the type of protective clothing and respiratory equipment required.**

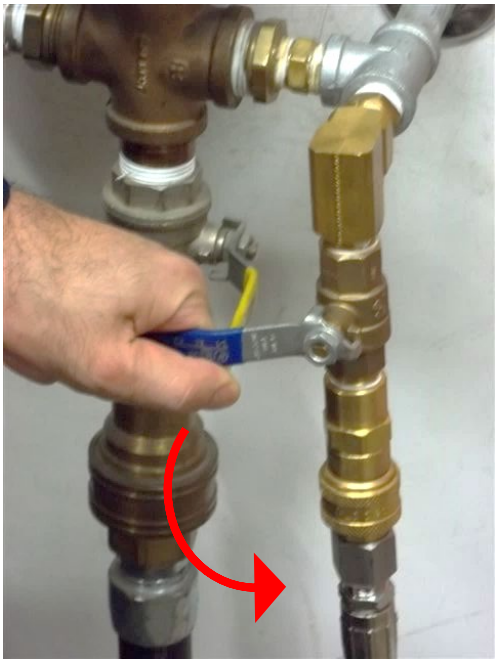
IMPORTANT: **Carefully read and follow the instructions provided with the vacuum assisted sander or grinder to ensure proper operation.**

WARNING: **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”)

l. Connect the vacuum cleaner to a grounded main air supply.

m. Open the main air supply and the ball valve on the vacuum cleaner system.



n. To turn the vacuum cleaner on, turn knob on powerhead to desire setting

o. Operate the sander/pneumatic tools as required.

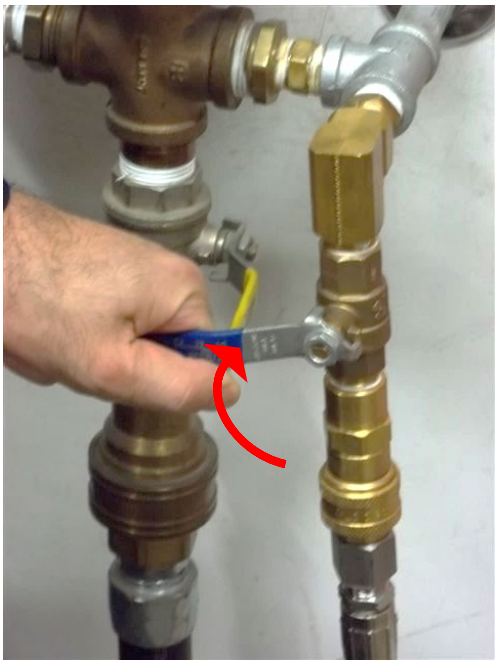
<u>WARNING:</u> **Follow the instructions provided with the sander/pneumatic tool to ensure proper operation.**

<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.**

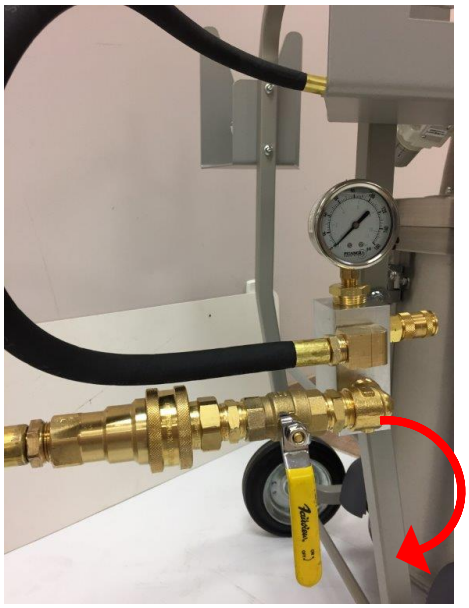
11.0 CLEANING AND MAINTENANCE

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

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

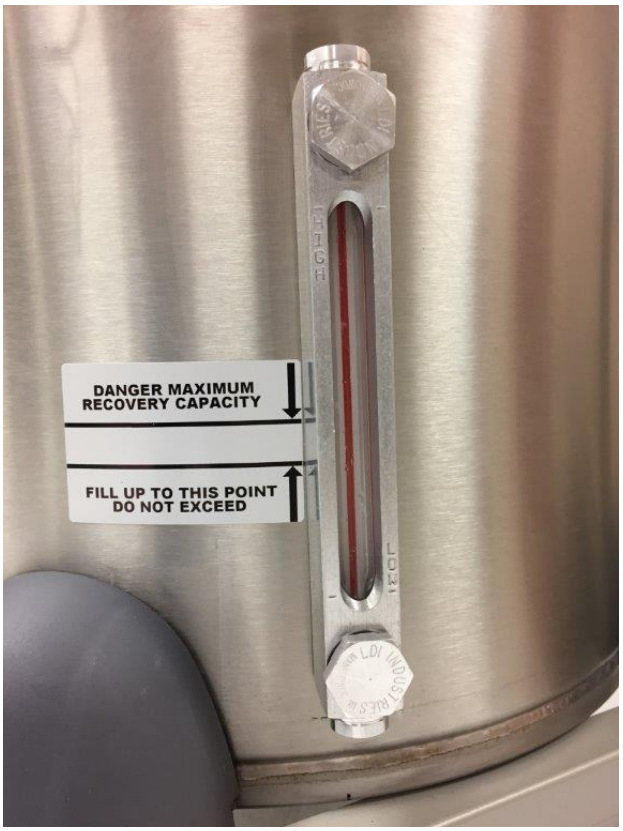


b. Once the pressure has been relieved close ball valve on the frame of the vacuum cleaner system



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**

c. Use the drain valve to empty collected material.

WARNING: **Empty collected material as soon as water reaches the maximum indicated level.**

d. 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.**

WARNING: **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.**

e. Dispose of collection bag when full and replace by a new collection bag

f. Clean the recovery tank and remove all remaining material

g. Clean hose to remove any accumulated dust, debris or material recovered.

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

h. Check the Coalescing Filter Element (CFE) HEPA grade regularly and replace when saturated

i. 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.**

WARNING: **Keep the static dissipating air supply hose clean and dry. This will help prevent blockage of the venturi jet which could reduce the vacuum cleaner system’s performance.**

WARNING: **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;**

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

12.0 ASSEMBLING AND REPLACING THE CFE HEPA FILTER

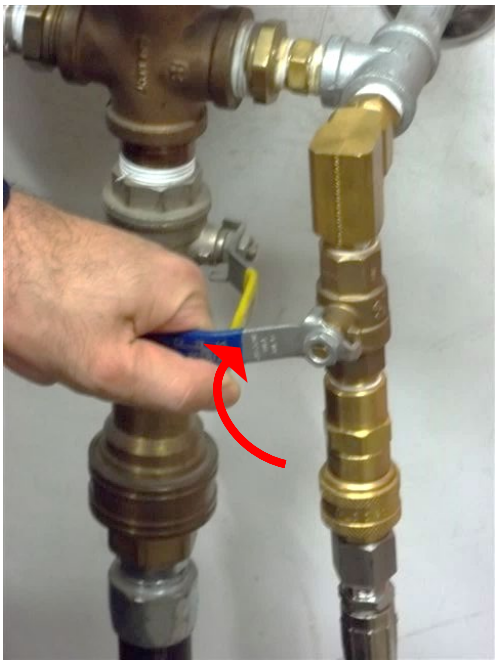
A CFE HEPA filter is designed for filtration of ultra-fine particles. A clogged CFE HEPA filter will reduce the air flow thereby reducing the vacuum’s performance thus requiring replacement.

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)

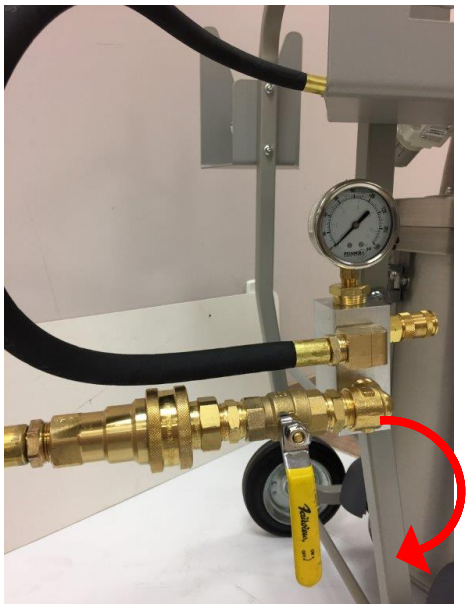
WARNING: **If the vacuum cleaner system is used for the recovery of toxic materials proper clothing and the use of an appropriate breathing apparatus is necessary when assembling and replacing the CFE HEPA filter or any other contaminated part of the unit.**

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

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.

d. Unscrew the hex nut securing the HEPA filter to the underside of the lid.

e. Spare the washer and gasket placed under the CFE HEPA filter

f. Discard the old CFE HEPA filter

g. Insert the new CFE HEPA filter

h. Securely fasten the CFE HEPA filter using the gasket, the washer and the hex nut.

i. Dispose of the contaminated filter according to government regulations. (If applicable)

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:

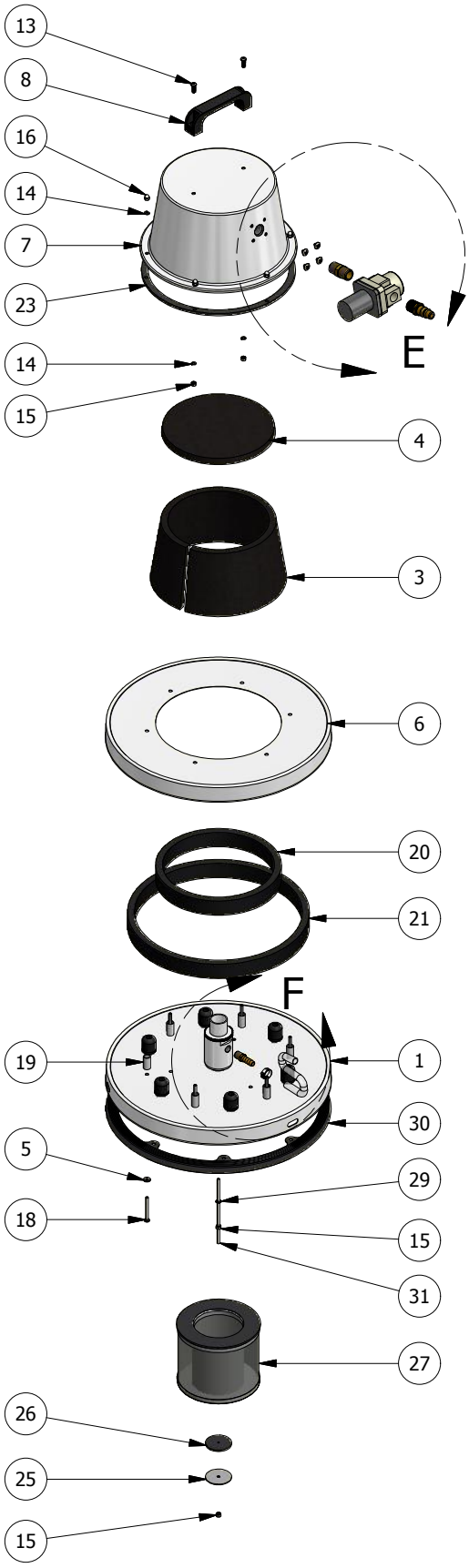
PROBLEM	PROBABLE CAUSE	SOLUTION
Drop in suction power	Immersion separator may be full	Empty the immersion separator
	Suction hose or vacuum tools may be blocked	Clear blockage using a broom handle or other appropriate device
	CFE HEPA filter may be clogged	Change the CFE HEPA filter

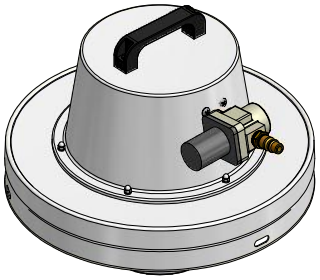
II 2 GD
Ex h IIC T6 Gb
Ex h IIIC T85°C Db

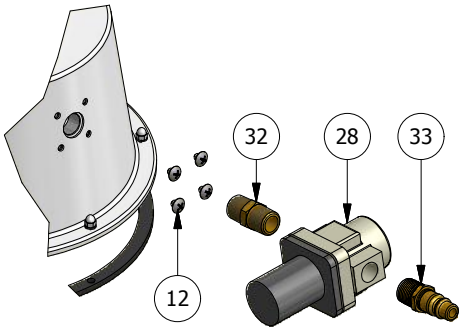
DYNABRADE ATEX-10A IT-40L 2+2 CFE HEPA

II 2 GD
Ex h IIC T6 Gb
Ex h IIIC T85°C Db

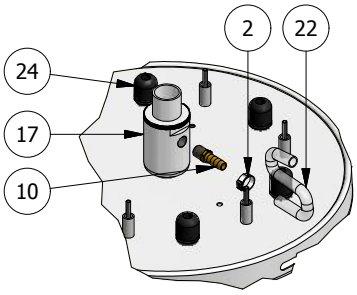
DYNABRADE ATEX-10A IT-40L 2+2 CFE HEPA
POWER HEAD

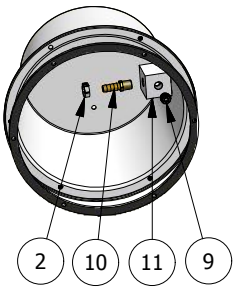


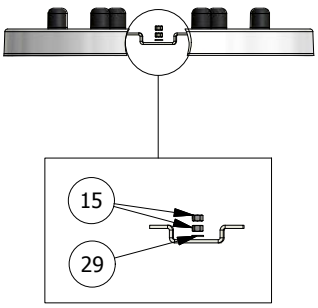




DETAIL A







DETAIL B

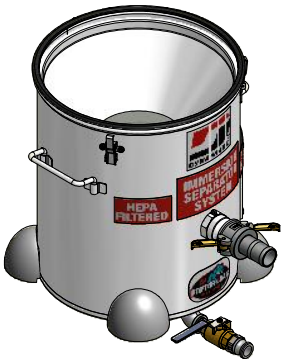
II 2 GD
Ex h IIC T6 Gb
Ex h IIIC T85°C Db

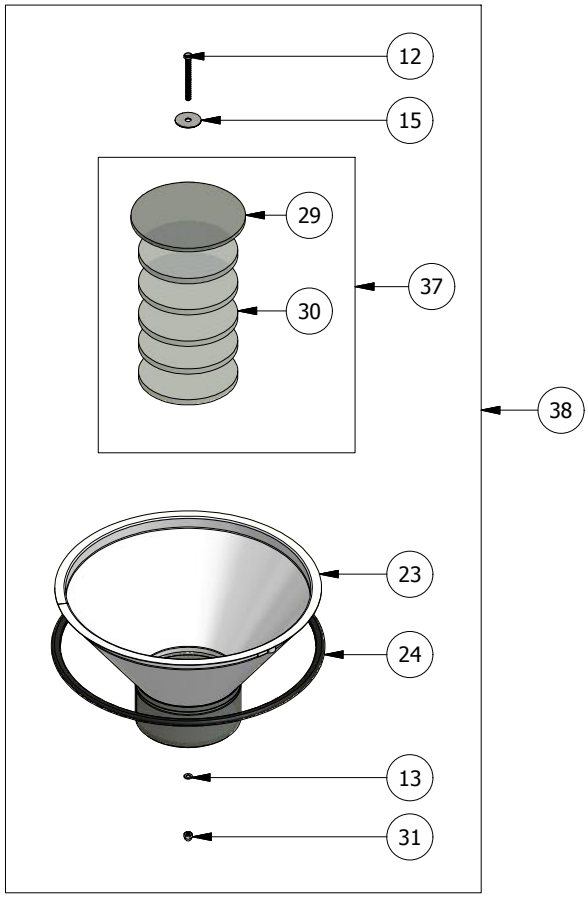
DYNABRADE ATEX-10A IT-40L 2+2 CFE HEPA
POWER HEAD

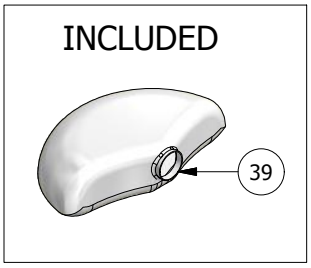
PART LIST

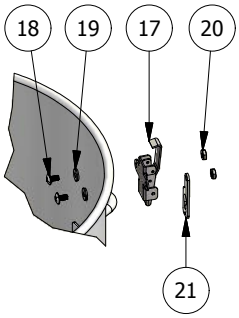
ITEM	PART NUMBER	DESCRIPTION	QTY
1	62501	LID	1
2	62931	TRIDON CLAMP	2
3	62503	SOUND INSULATING FOAM	1
4	62686	SOUND INSULATING FOAM	1
5	62399	SEAL WASHER	6
6	62932	LID FOR VENTURI	1
7	62933	HOUSING FOR VENTURI	1
8	62816	HANDLE	1
9	62759	Hex Socket Plug	1
10	62567	FITTING	2
11	62934	MANIFOLD	1
12	62466	SCREW	4
13	62352	BOLT	2
14	62364	SPRING WASHER	8
15	62363	HEX NUT	6
16	62372	ACORN HEX NUT	6
17	62496	VENTURI	1
18	62388	BOLT	6
19	62409	PLASTIC SPACER	6
20	62390	EXHAUST SILENCER	1
21	62935	EXHAUST SILENCER	1
22	62725	AIR SUPPLY HOSE	1
23	62941	GASKET	1
24	62940	RECESSED RUBBER BUMPER	6
25	62878	FLAT WASHER	1
26	62880	GASKET	1
27	62681	REPLACEMENT COALESCING FILTER ELEMENT	1
28	10694	GENERAL PURPOSE AIR PRESSURE REGULATOR, 0.5" NPT PORTS	1
29	62937	LOCK WASHER	2
30	62520	GASKET	1
31	62662	THREADED ROD	1
32	62599	HEX NIPPLE	1
33	62351	MALE QUICK DISCONNECT	1

DYNABRADE ATEX-10A IT-40L 2+2 CFE HEPA
TANK

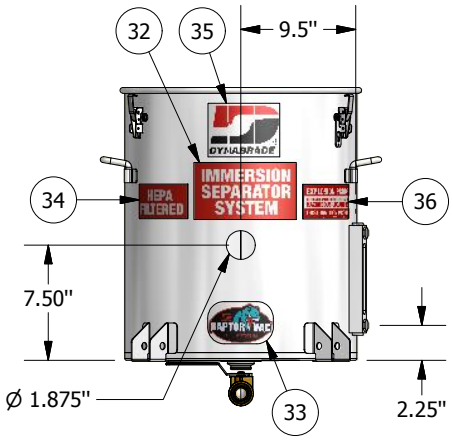








DETAIL C



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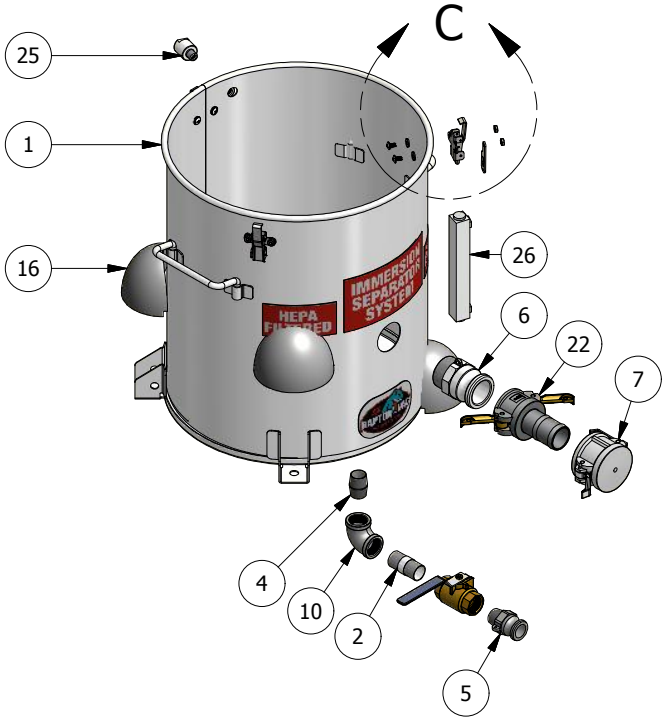
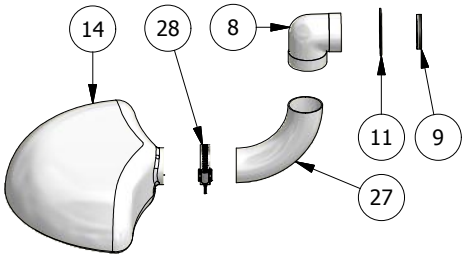




DETAIL

II 2 GD
Ex h IIC T6 Gb
Ex h IIIC T85°C Db

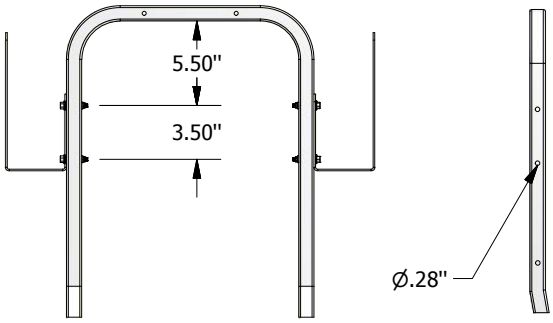
DYNABRADE ATEX-10A IT-40L 2+2 CFE HEPA
TANK

PART LIST

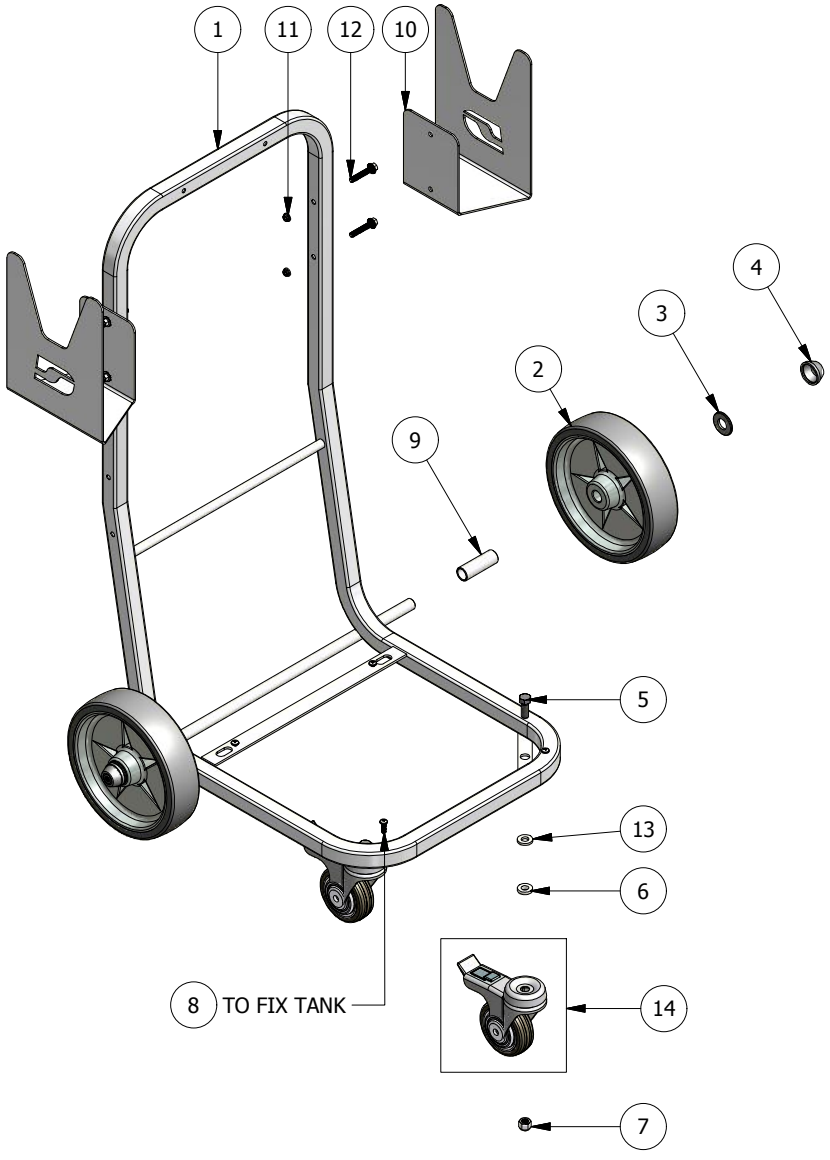
ITEM	PART NUMBER	DESCRIPTION	QTY
1	62942	DRUM W/WHEEL BRACKET	1
2	62996	NIPPLE	1
3	62944	DRAIN VALVE ONLY	1
4	62945	NIPPLE	1
5	62946	CAMLOCK	1
6	62947	INTAKE COUPLER	1
7	62948	CAMLOCK PART	1
8	62949	ELBOW	1
9	62950	GASKET	1
10	62995	ELBOW	1
11	62952	SHIM WASHER	1
12	62997	HEX BOLT	1
13	62356	FLAT WASHER	1
14	62962	CONDUCTIVE RECOVERY BAG	1
15	62961	LARGE-OD FLAT WASHER	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 FEMALE	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	96616	RAPTOR LABEL	1
34	96618	HEPA LABEL	1
35	19920	DYNABRADE LABEL	1
36	96619	EXPLOSION LABEL	1
37	62965	MIST ARRESTOR SCREEN (SET OF 6 SCREENS)	1
38	62966	CONE ASSEMBLY	1
39	62967	CONDUCTIVE RECOVERY BAG (PACK OF 3)	1

II 2 GD
Ex h IIC T6 Gb
Ex h IIIC T85°C Db

DYNABRADE ATEX-10A IT-40L 2+2 CFE HEPA
CART



DETAIL



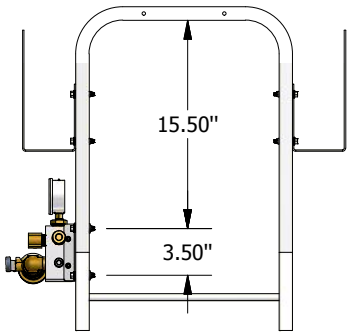
II 2 GD
Ex h IIC T6 Gb
Ex h IIIC T85°C Db

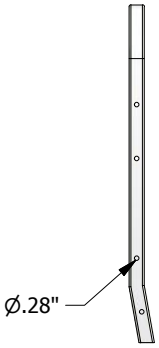
DYNABRADE ATEX-10A IT-40L 2+2 CFE HEPA
CART

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	6
13	62818	FLAT WASHER	2
14	62688	WHEEL	2

II 2 GD
Ex h IIC T6 Gb
Ex h IIIC T85°C Db

DYNABRADE ATEX-10A IT-40L 2+2 CFE HEPA
HOSE CONNECTION





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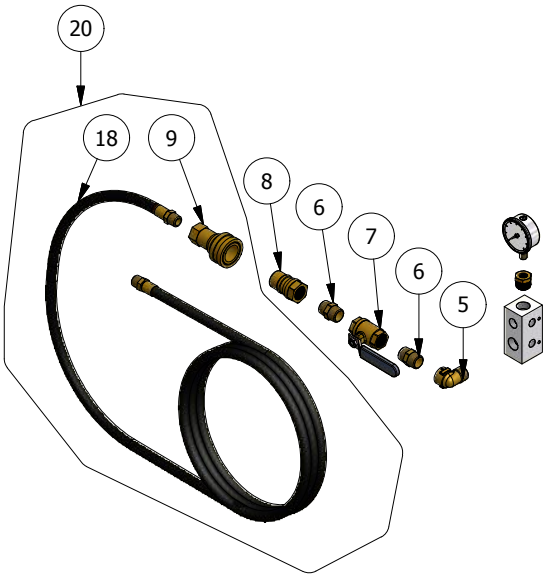
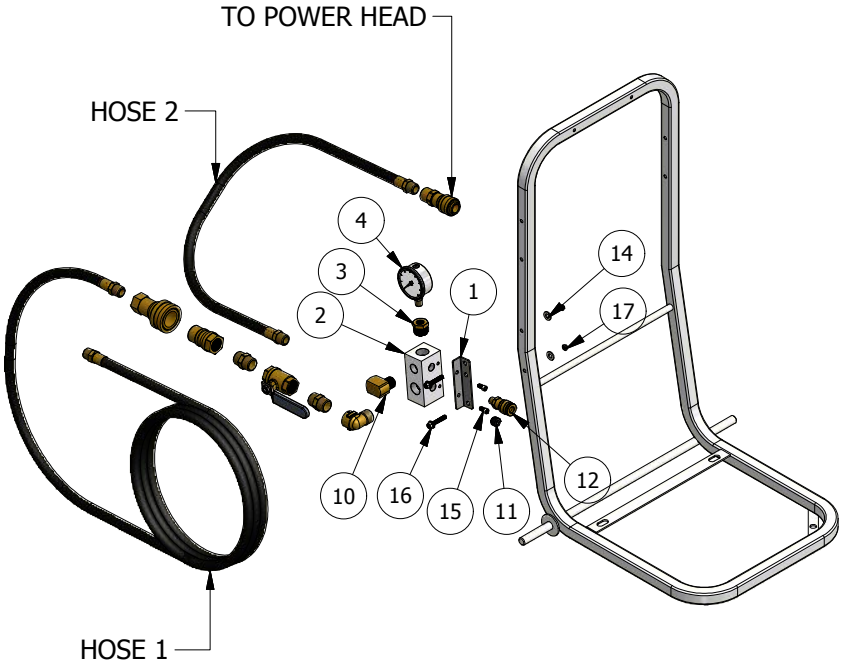
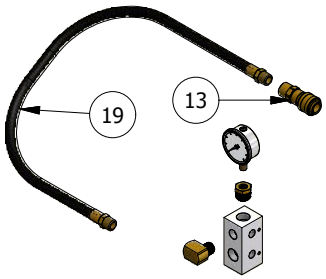


DETAIL HOSE 1





DETAIL HOSE 2

II 2 GD
Ex h IIC T6 Gb
Ex h IIIC T85°C Db

DYNABRADE ATEX-10A IT-40L 2+2 CFE HEPA

PART LIST

ITEM	PART NUMBER	DESCRIPTION	QTY
1	62723	BRACKET	1
2	62557	MANIFOLD	1
3	62473	HEX BUSHING	1
4	62362	PRESSURE GAUGE	1
5	62538	ELBOW	1
6	62460	HEX NIPPLE	2
7	62460	HEX NIPPLE	1
8	62450	MALE QUICK DISCONNECT	1
9	62451	FITTING FEMALE QUICK DISCONNECT	1
10	62596	90 DEGREE ELBOW	1
11	62994	HEX SOCKET PLUG	1
12	62548	QUICK DISCONNECT, FEMALE	1
13	62589	QUICK DISCONNECT, FEMALE	1
14	62481	FLAT WASHER	2
15	62419	SCREW	2
16	62999	SCREW W/SERRATED FLANGE	2
17	62458	FLANGE NUT	2
18	62449	AIR SUPPLY HOSE	1
19	62658	AIR SUPPLY HOSE	1
20	62661	AIR SUPPLY HOSE ASSEMBLY	2