



GOODWAY®

MODEL DV-AV9-EX

Industrial Vacuum Cleaner

UL® Listed For Use in Potentially Explosive Environments

Operating and Maintenance Instructions



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Goodway reserves the right to improve products; contact the factory for the latest configuration and uses.

INTRODUCTION

Thank you for purchasing this Goodway vacuum. We appreciate your business and look forward to serving you in the future. As with all Goodway products, you can be assured that the finest quality components and workmanship have gone into this machine.

Please take a few minutes to read the following Operating and Maintenance Instructions. By carefully following the instructions, you will obtain years of trouble free service from this product. Please pay particular attention to the safety instructions and exercise caution when using this machine.

We are here to serve you!
For *Sales* call
1-800-333-7467
For *Service* call
1-800-370-2855
Goodway Technologies Corp.

GENERAL

The DV-AV9-EX is an air-powered vacuum cleaner for commercial use, designed for operation in areas containing combustible dusts, gases, vapors and mists. This vacuum cleaner contains no moving parts, and is grounded throughout to lessen the build up of static electricity.

This appliance is designed for the recovery of dry material only, in Class I, Division 2; Groups A, B, C and D and Class II, Division 2; Groups F and G. Hazardous Locations as defined in the National Electrical Code NFPA 70.

SAFETY INSTRUCTIONS

READ ALL INSTRUCTIONS BEFORE USING THIS VACUUM CLEANER

WARNING – To reduce the risk of fire, explosion or injury:

- Disconnect appliance from compressed air source when not being used and before servicing.
- Use only as described in this manual. Use only Goodway Technologies recommended attachments.
- Do not use if compressed air supply hose is damaged. Unrestricted compressed air hoses can whip causing personal injury and equipment damage.
- Do not put any objects into openings. Do not use with any opening blocked; keep free of dust, lint, hair, and anything that may reduce airflow.
- Keep hair, loose clothing, fingers and all parts of body away from openings.
- Be extra careful when cleaning stairs.
- If vacuum does not operate properly or has been damaged, return it to the factory for service.
- Do not vacuum hot, burning or smoking material such as cigarettes, matches or hot ashes.
- Do not operate this appliance without all filters in place

SAVE THESE INSTRUCTIONS

GROUNDING INSTRUCTIONS

This vacuum cleaner must be grounded. Grounding provides a path for static electricity to be dissipated and to ensure that no difference of electrical potential, between the appliance and other equipment, exists. The vacuum cleaner is supplied with a yellow/green grounding cord with an alligator clip for connecting the vacuum to ground.

Before use, ensure that there is conductivity (less than 5 ohm) between the alligator clip and all exposed metal areas of the vacuum with a conductivity tester or ohmmeter.

WARNING: If the electrical resistance is greater than 5 ohm, between the alligator clip and any part of the vacuum, **do not operate the vacuum. Contact Goodway Technologies Corporation's Customer Service at (800) 370-2855 for assistance.**

Connect the alligator clip to a known ground.

Only use vacuum hoses and accessories recommended by Goodway Technologies Corporation (see accessory list). Hoses and accessories must be conductive or static dissipating. Accessories, which are anodized aluminum, must be sanded in order to obtain a proper ground connection.

WARNING: Hoses and accessories, which are not conductive or static dissipating, can allow the build up of static electricity and cause sparking.

OPERATING INSTRUCTIONS

1. A clean, dry supply of air at a minimum of 50 PSI and 35 cubic feet/minute is required for operation. Maximum allowable pressure is 90 PSI.

WARNING: Unrestricted compressed air hoses can whip, causing personal injury and equipment damage.

2. Use a ½" diameter, static conductive or grounded airline minimum. Do not use a quick coupling as it will restrict airflow to the vacuum.
3. Connect the air supply line to the barbed fitting at the intake on the vacuum lid. Make sure the valve on the lid is in the off position.
4. Open the valve on the vacuum lid to the desired setting and begin vacuuming.
5. For top performance, clean the filters regularly. The gage on the front of the vacuum head is a guide for filter cleanliness. As the gage moves out of the blue area, the filters require cleaning. Clogged filters restrict airflow and reduce suction.
6. When finished vacuuming, always shut off the main air supply and open the valve at the vacuum to relieve pressure in the airline.

HOW TO EMPTY THE DEBRIS CONTAINER

WARNING – As the filter will be dirty, protective eyewear, breathing mask and gloves must be worn.

To empty the debris container, close the air valve. Turn the two levers on the side of the vacuum cleaner fully forward. The debris container is now unlocked and easily transportable. When the container has been emptied, put it in its initial point and make sure that it is correctly aligned. Turn the two levers back to their original position and the container will be automatically locked. At this point the vacuum cleaner is ready to be used.

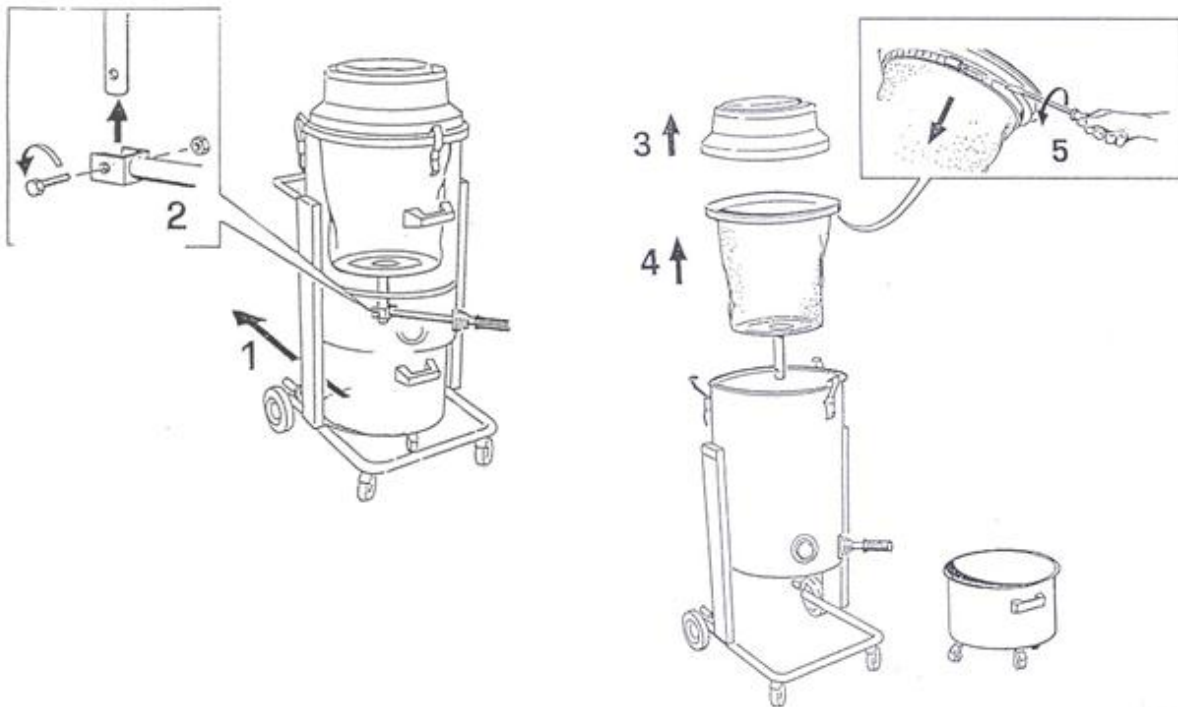


REPLACEMENT OF THE FILTER

1. Lower and remove the debris container.
2. From the bottom of the unit, remove the cotter pin and pin. Remove the grounding wire from the filter shaker frame.
3. Remove the vacuum head.
4. From the top of the unit remove the filter assembly
5. Service or replace the filter by loosening the clamp. Re-install the filter onto the ring.
6. Put the filter assembly back into the unit.
7. Reinstall the pin, cotter pin and grounding wire.

Warning: Failure to reinstall the grounding wires can cause a static build-up and possible sparking.

8. Lock the debris container back in place.
9. Test the unit for proper electrical bonding in accordance with the previous grounding instructions.



EXTERNAL FILTER SHAKER

Only use the external filter shaker when the unit is turned OFF. Recommend shaking the filter before every use and after a long working period.

TROUBLESHOOTING

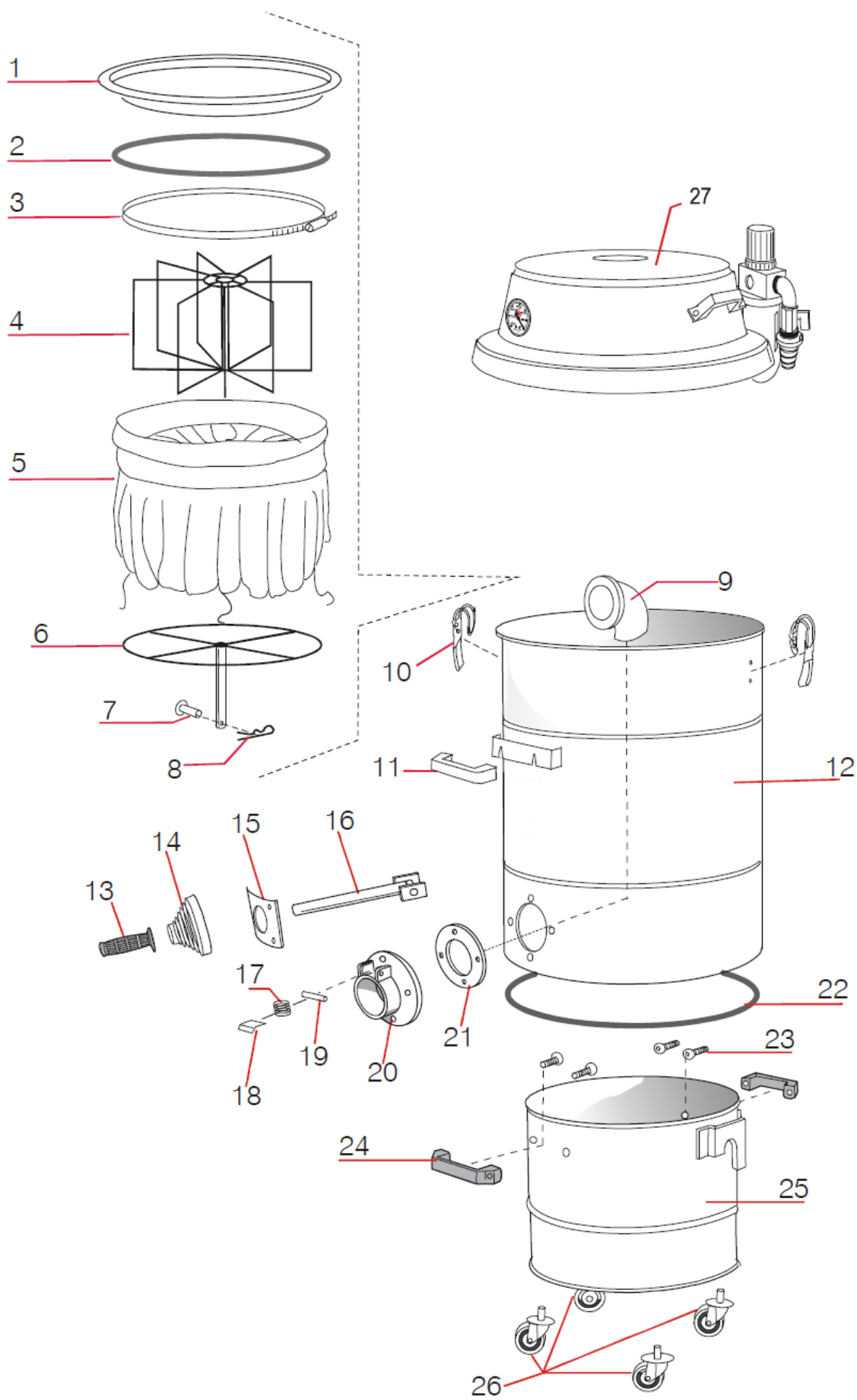
Loss of Suction:

1. Make sure air supply is fully turned on.
2. Check the air supply for obstructions or restrictions such as insufficiently sized line or regulator.
3. Make sure valve on vacuum lid is fully opened.
4. Check for clogged filters.
5. Check hose and tools for obstructions or holes.
6. Check vacuum intake for clogging.
7. Check that tank is not too full.
8. Check interface between debris container and vacuum tank, and between vacuum head and tank for leaks.
9. Check drum for holes or leaks.
10. Check the venturi ejector (see Head Assembly Schematic) for clogging and clean if necessary.

AVAILABLE ACCESSORIES

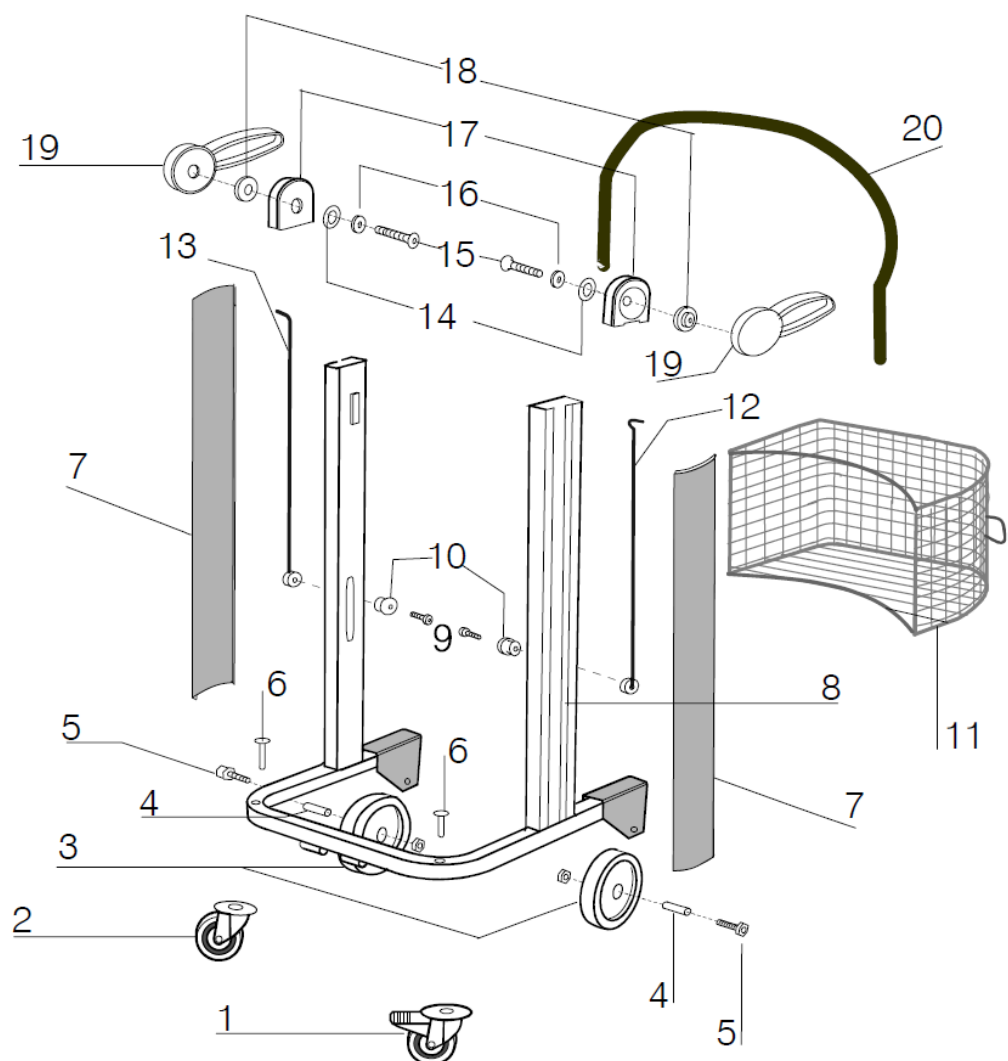
Available Accessories	Part #	Description
	VAC-072	Anti-Static Polyethylene Hose 1 ½" x 15' 10 ⁴ surface resistance
	VAC-073	Anti-Static Polyethylene Hose 2" x 15' 10 ⁴ surface resistance
	VAC-008G	Neoprene Wire Reinforce Hose With Grounding Wire 2" x 15' 10 ⁶ surface resistance
	DA-RD2	Intake Adapter for 1 ½" and 2" Hoses Stainless Steel
	VAC-009	Double Bend Wand 1 ½" x 54" Aluminum
	VAC-010	Extension Tube 1 ½" x 54" Aluminum
	VAC-011	Angled Extension Tube 1 ½" x 27" Aluminum
	VAC-012	Extension Tube 1 ½" x 60" Aluminum
	VAC-038	Gulper Tool 1 ½" x 18" Aluminum
	VAC-027	Aluminum Crevice Tool 1 ½" x 27"
	VAC-064	Bulk Pick Up Nozzle 1 ½" x 18" Aluminum
	VAC-029	Bulk Pick Up Nozzle 2" x 18" Aluminum
	VAC-030	Double Bend Wand 2" x 56" Aluminum
	VAC-031	Gulper tool 2" x 13" Aluminum
	VAC-044	Non Metallic Orange Nozzle 1 ½" x 4 ½" HDPE
	VAC-045	Non Metallic Yellow Nozzle 2" x 4 ½" HDPE
	VAC-054	Aluminum Dust Brush 5"
	VAC-301	1 ½" Aluminum Pipe Tool for pipes 6" O.D. & Up
	VAC-302	1 ½" Aluminum Pipe Tool for pipes 4" - 6" O.D.
	VAC-303	1 ½" Aluminum Pipe Tool for pipes 1"-3" O.D.
	VAC-013	1 ½" Nylon Floor brush 14" wide
	VAC-080	1 ½" Dusting Brush 3" Diameter
	DV-AH-50	½ " ID Air Hose Grounded 50' Long
	DA-AH-HF	HEPA Filter

DV-AV9-EX Machine Body Assembly Drawing



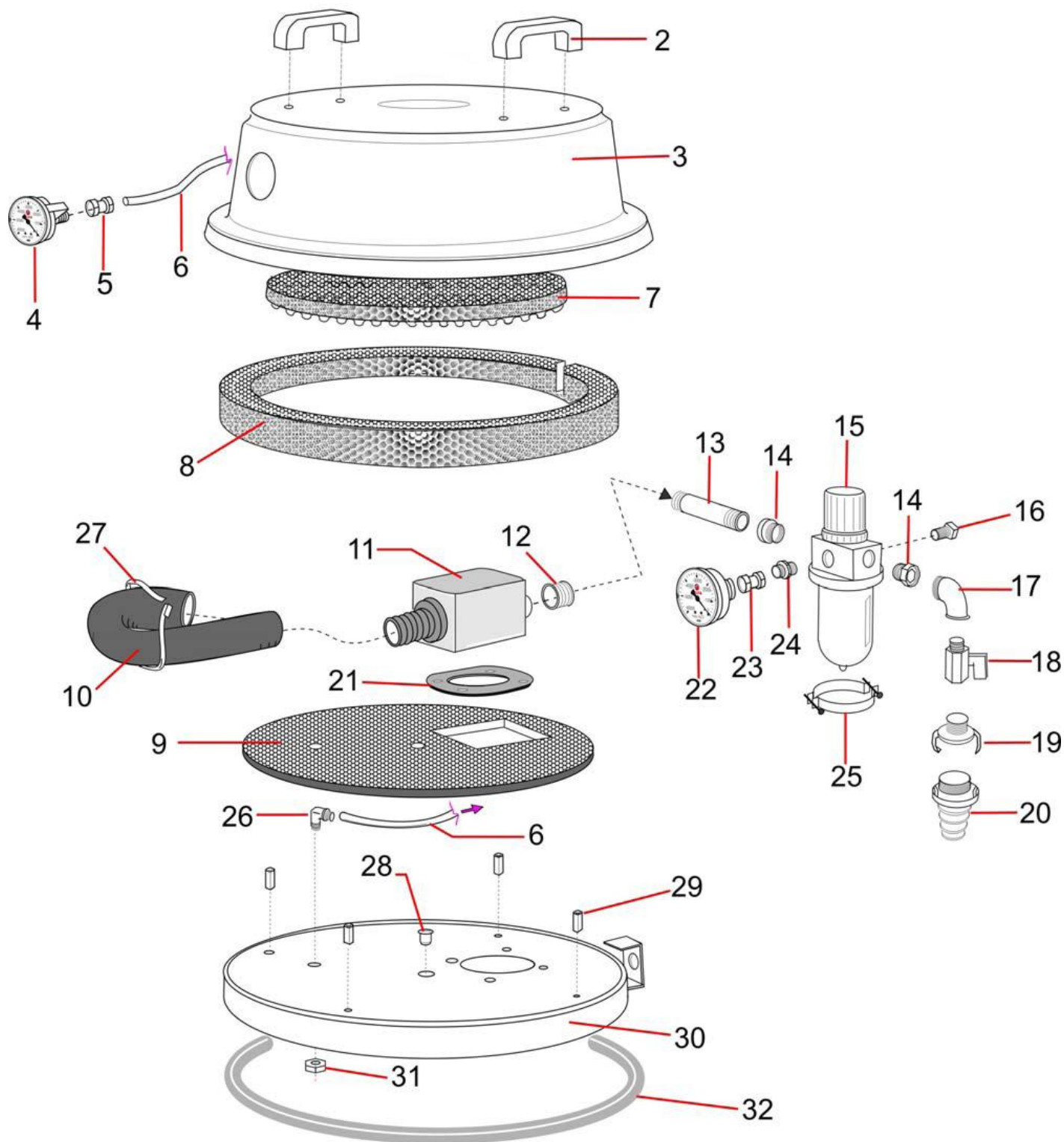
Machine Body Parts List			
Ref #	Part #	Qty	Description
1(a)	AR3484	1	Filter holder ring
1(b)	AR3484/b	1	Filter holder ring (stainless steel)
2	AR3485	1	Filter holder seal
3	AR3471	1	Filter retainer clamp
4	AR3487	1	Filter cage
5	AR3459	1	16 pocket antistatic polyester filter
6	AR3586	1	Filter shaker cage
7	AR2481	1	Filter shaker cage lock pin
8	AR2480	1	Cotter pin
9	AR3711X	1	Deflector
10	AR2002	2	Hook fastener
11	AR2001	1	Handle
12(a)	AR3490/b	1	Filter chamber (stainless steel)
12(b)	AR3490	1	Filter chamber
13	AR2008	1	Filter shaker knob
14	AR2066	1	Bellows
15	AR2065X	1	Filter shaker flange
16	AR3489	1	Filter shaker lever
17	AR2417	1	Die-cast union spring
18	AR2418	1	Die-cast union pawl
19	AR2416	1	Die-cast union pin
20	AR2413	1	Die-cast union
21	AR3491	1	Die-cast union seal
22	AR3439	1	Filter chamber seal
23	AR3492	4	Screw
24	AR2061	2	Handle
25(a)	AR3493	1	Debris container
25(a)	AR3493/b	1	Debris container (stainless steel)
26	AR2399	4	Castor
27	AR2721	1	Motor head

DV-AV9-EX Trolley Assembly Drawing



Trolley Parts List			
Ref #	Part #	Qty	Description
1	AR2195	1	Castor with brake
2	AR2196	1	Castor
3	AR2194	2	Antistatic rubber fixed wheels
4	AR3451	2	Wheel axles
5	AR3497	2	Screw
6	AR3498	2	Screw
7	AR3499	2	Columns
8	AR3500	1	Trolley frame
9	AR3513	2	Screw
10	AR2363	2	Slider pawl
11	AR3502	1	Accessory basket
12	AR3503	1	RH release rod
13	AR3504	1	LH release rod
14	AR3505	2	Spacer
15	AR3506	2	Screw
16	AR3507	2	Washer
17	AR3508	2	Aluminum body
18	AR3509	2	Fulcrum
19	AR3510	2	Lever
20	AR3511	1	Push handle

DV-AV9-EX Motor Head Assembly Drawing



Motor Head Parts List			
Ref #	Part #	Qty	Description
2	AR2023	2	Handle
3	AR3897X	1	Head cover
4	AR3524	1	Vacuum gage
5	AR3386	1	Straight connection
6	AR3898	1	Rilsan hose
7	AR3899	1	Silencer disk for air head
8	AR3900	1	Silencer for air cover
9	AR3914	1	Silencer for base plate air head
10	AR3927	35cm	Silencer hose for air head
11	AR3913	1	Ejector unit for air head
12	AR4074	1	Screw
13	AR4075	1	Hose connection
14	AR3901	1	Threaded extension
15	AR3947	1	Condensation filter
16	AR3903	1	Pivot
17	AR3904	1	Bend
18	AR2338	1	Ball valve
19	AR3905	1	Plug in for rubber holder
20	AR3906	1	Rubber holder
21	AR2396	2	Joint
22	AR2335	1	Manometer
23	AR4076	1	Cuffs
24	AR3909	1	Screw
25	AR3907	1	Collar
26	AR3915	1	Easy plug
27	AR4077	1	Clamp
28	AR3916	1	Plug
29	AR4080	4	Spacer
30	AR3545X	1	Base
31	AR4079	1	Screw
32	AR2036	1	Joint

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**Goodway Technologies Corporation
manufactures and distributes a complete line of Tube/Pipe
Cleaning Systems, Duct Cleaning Systems, Vacuums,
Floor Machines, Hi-Pressure Washers and other
maintenance related equipment.**



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