



Delfin s.r.l.

Strada della Merla, 49/a
10036 Settimo Torinese (Turin) - Italy
Ph. 0039.011.8005500
Fax: 0039.011.8005506
www.delfinvacuums.it
e-mail: delfin@delfinvacuums.it

INDUSTRIAL VACUUMS

D/G 1

D/G 60

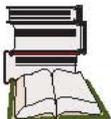
D/G 2

D/G 100

D/G 150



Operating and
maintenance manual



Carefully read this manual and the annexes accompanying the model supplied before using the DELFIN industrial vacuum.

Preface

The herein manual provides all necessary information for the correct use and maintenance of your DELFIN vacuum cleaner. Its efficiency and life depend on the regular maintenance and care.

Before being shipped from the DELFIN's facility, this item successfully passed the Manufacturer's system test, which requires the completion of strict conformity assessment procedures in order to ensure the product's efficiency and reliability. Nevertheless, it is necessary to check the vacuum cleaner's conditions at the time of delivery and make sure that no structural damages, which may affect its efficiency and safety, occurred during transportation.

This manual must be considered as integrating part of the supplied DELFIN vacuum cleaner and, in case of loss or damage a further copy should be requested to DELFIN S.r.l.

All information reported in the herein manual belongs to DELFIN S.r.l. and must be considered as confidential and protected by copyright. Reproduction, even partial, of the manual's graphics, text and illustration is prohibited by law.

Some of the parts shown in this manual may slightly differ from the ones of your vacuum cleaner, whilst some of the components may not appear in the herein pictures, as omitted for a clearer view.

For easy consultation purposes, this manual is divided into sections. Each section is featured by a symbol.

This "Operating and Maintenance Manual" provides all information expressly required by the "Machinery Directive 98/37/EC". All technical specifications reported herein have been verified by the manufacturer at the issue of this manual.

This manual must always be readily available for consultation to the staff using the DELFIN vacuum and to the operators in-charge of its maintenance. Therefore, the herein manual must be kept in a place accessible to all the above mentioned staff.

In case of doubt or concerns please call our Technical Service immediately and ask for assistance.

Should any dispute arise in connection with Delfin supplies and/or Delfin products' related manuals, the court of Turin (Italy) will have jurisdiction to settle any such dispute.

Delfin equipment must always be supplied with its specific manual, even in case of resale.



© Copyright DELFIN S.r.l. - Settimo Torinese (TO), ITALY.

EDITION: July 2005

General information	1
1.1 Main parts	2
1.2 Standard accessories	3
1.2.1 Optional accessories	4
1.3 Manufacturer's Identification Data	8
1.4 CE Marking	9
1.5 Applications and use	9
1.6 Environmental conditions	9
1.7 Noise level	9
1.8 Storage	9
1.9 Waste disposal	9
1.10 Technical specifications	10
1.11 Warranty	12
Safety	13
2.1 Information on safety	14
2.2 Safety warnings	15
2.3 Warning signs and plates	18
2.4 Residual risks	19
2.5 Applicable directives	19
Installation	21
3.1 Handling	22
3.2 Installation	23
Working system	25
4.1 Functional description of controls	26
4.2 Working procedures	27
4.3 Collection container's release and withdrawal	29
4.4 Filter shake system	30
4.5 Timer setting for the automatic filter shake option. (D/G 150 – D/G 150 ELF)	31
4.6 Timer setting (option available on pneumatic models only)	32
4.7 Vacuum gauge	33
Maintenance	35
5.1 Information and warnings	36
5.2 General safety rules	36
5.3 Maintenance operations	37
5.3.1 Safety cartridge-filter cleaning	38
5.4 Filter replacement	39
5.4.1 Cartridge-filter replacement or cleaning (optional)	42
5.5 Troubleshooting	43
Spare parts	45



**G
E
N
E
R
A
L**

**I
N
F
O
R
M
A
T
I
O
N**

1.1 Main parts



- 1) Flexible hose
- 2) Curved inlet plug
- 3) Spring hook fastener
- 4) Cover
- 5) Filter chamber
- 6) Handle
- 7) Suction hose inlet plug
- 8) Level indicator
- 9) Removable debris collection container
- 10) Container's release lever
- 11) Pivot wheels of the removable container
- 12) Fix wheels
- 13) Pivot wheels with brake
- 14) Filter shaking operating lever
- 15) Turbine rear fairing
- 16) Thrust lever

1.2 Standard accessories



1) Main filter kit for D/G 1 model – Spare Part No. AR3024

mod. D/G 1 ELF, D/G 60

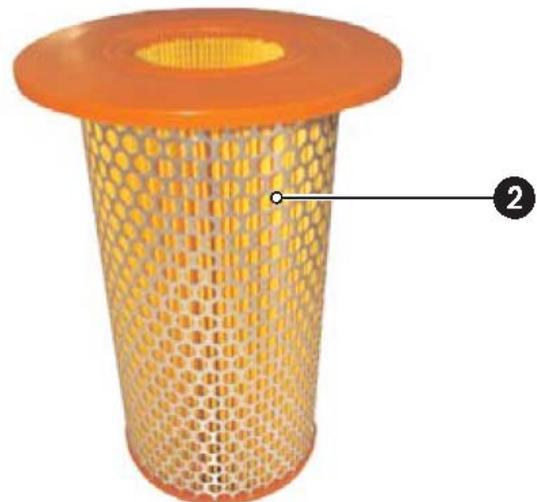
Spare Part No. AR3003

mod. D/G2, D/G 100, D/G 150, D/G 60 ELF

Spare Part No. AR2072

mod. D/G 100 ELF, D/G 150 ELF

Spare Part No. AR3753



2) Safety Cartridge-Filter for D/G1, D/G 2, D/G 60, D/G 100 models. Spare Part No. AR4003.

1.2.1 Optional accessories

Absolute (HEPA) Filter P/N AA1262 Ø 430 H=80 (D/G 1 mod.)

**Absolute (HEPA) Filter P/N AA1253 Ø 430 H=150
(D/G 2 – D/G 60 - D/G 100 - D/G 150 mod.)**

The Absolute (HEPA)Filter effectively captures the finest dust particles which are not filtered by the polyester main filter. In case the vacuum is equipped with this specific filter, it will be necessary to check the filtering capacity of this accessory on regular basis.



CAUTION!

Wear personal safety devices such as goggles and dust mask during the performance of the operations described here following. Remove the Absolute (HEPA)Filter and place it into a plastic bag. Close the plastic bag and provide for its waste disposal complying with the applicable laws prescribed for the type of dust collected. For filter replacement operations it is first necessary to turn off the vacuum and to unplug it, then remove the cover and loosen the screw nut (A).



Bag holding ring P/N. AA1098

This accessory may be required as an option for the collection of the sucked material into a waste nylon bag to be placed into the vacuum's collection container. Throughout this holding ring it is possible to keep the nylon bag open, under vacuum depression, for correct utilization.

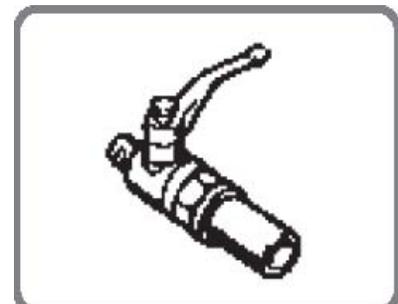


Sieve grating accessory P/N AA 1003

The function of this accessory is to separate liquid from solid materials. The solid debris will be collected into the upper part of the basket, over the grating, whilst the liquids will be deposited at the container's bottom.



A container equipped with a specially provided drainage valve may be ordered as an option. It is also possible to order the valve only, and to call Delfin S.r.l. asking for technical assistance on the valve/container assembly operation.

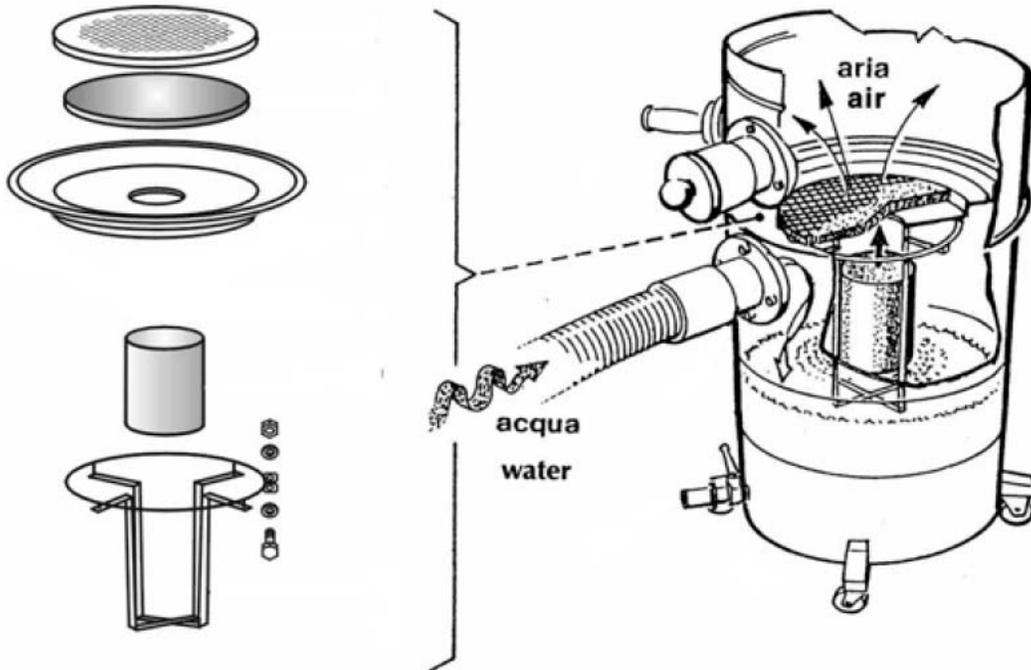


Float P/N AA1096

The function of this optional accessory is to cut out suction when the collection container is full of liquid. It is used for applications requiring frequent collection of huge quantity of liquid.

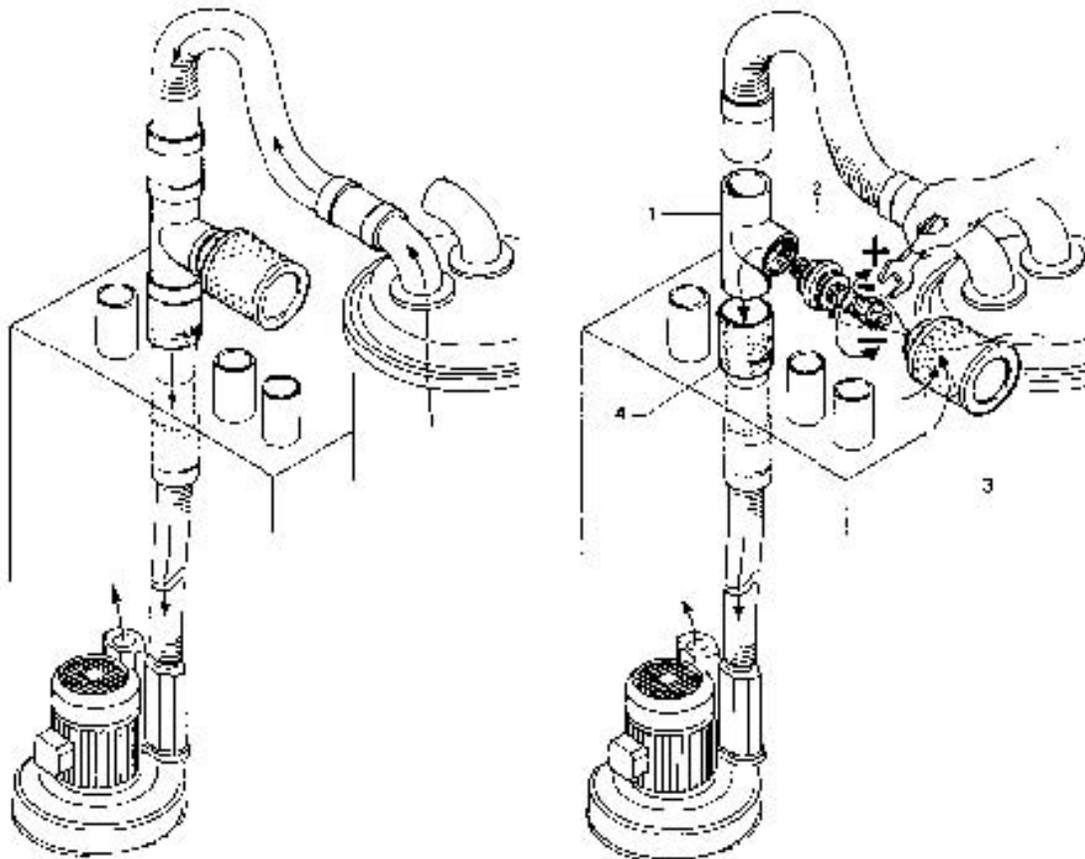
Assembly operation:

- 1) Drill a 90 mm \varnothing port on the container, at 120 mm distance from the upper edge.
- 2) Fix the float casing using the four screws provided to secure it.
- 3) Insert the float into the casing inside the container.
- 4) Close the filtering chamber upper inlet applying the specially provided cap on the plug.
- 5) Plug the flexible liquid collection hose.



Vacuum/pressure relief valve (optional)

It is recommended to install the "Vacuum/pressure relief valve" on vacuums destined to appliances requiring heavy duty such as long periods of uninterrupted operation with clogged filter or obstructed flexible hose. As vacuum reaches the preset parameter of the vacuum/pressure relief valve, the valve inlet port instantaneously opens and inflows air into the turbine preventing therefore the turbine's overheating as well as major engine work (current draw).



To fit the optional valve (P/N AA1190) to the D/G 1 and D/G 60 models, it is necessary to use a 2" M/ 1"1/2 F reduction, P/N AR4017.

Spare part number for D/G 2 and D/G 100 models is P/N AA1334 .

1.3 Manufacturer's Identification Data

Delfin S.r.l.
Strada della Merla, 49/a
10036 Settimo Torinese (TO) - Italy
Phone: 0039.011.8005500
Fax: 0039.011.8005506
www.delfinvacuums.it
e-mail: delfin@delfinvacuums.it

1.4 CE Marking

In compliance with the Machinery Directive on vacuums, CE Marking plates are always applied on Delfin vacuums. Please specify the machine's data reported on such CE marking when contacting the manufacturer or the dealer to discuss any issues relating to Delfin vacuums.



1.5 Applications and use

The herein specified models have been designed, constructed and equipped with safety devices for solid dust and debris' vacuuming applications only, with the use of appropriate specific filters.



CAUTION!

Always use the specific filters prescribed for the type of dust and/or debris to be collected.

This vacuum has been designed for industrial and professional use.

Any other different use is **INAPPROPRIATE**.

1.6 Environmental conditions

To ensure correct working and efficiency, the vacuum must be sheltered from atmospheric agents (such as rain, hail, snow, fog, dust particles in the air and so on) in an environment with ambient temperature between 5° C and 45° C and Relative Humidity not exceeding 70%. The workplace must be clean, reasonably light and in a non-explosive/ hazardous atmosphere environment.

1.7 Noise level

Noise tests have been performed in compliance with the UNI 7712 Standard. The phonometric test results on the DG/1, D/G 60, DG/2, DG/100 and DG/150 models correspond to the following acoustic pressure values :

D/G 1	D/G 60	D/G 2	D/G 100	D/G 150
72 dB (A)	74 dB (A)	74 dB (A)	76 dB (A)	76 dB (A)



CAUTION!

Complying with the articles of the Italian Law Decree 277/91, all workers exposed to noise pressure exceeding 85 dBA must protect themselves wearing their personal safety devices.

As such, if the vacuum has to be operated in the above specified conditions, the employer must provide the staff with the homologated acoustic devices prescribed for their personal safety and also inform the operators about the risks arising from their exposure to noise.

1.8 Storage

Remove the filter and clean it, empty the collection container and store the vacuum in a suitable place, sheltered from atmospheric agents and ambient temperature between 0° C and 40° C. Cover the vacuum with a nylon sheet in order to preserve it from dust deposit.

1.9 Waste disposal

Any vacuum/vacuum component's waste disposal must be executed applying to authorized waste disposal agencies complying with the applicable law and regulations in force. Before proceeding with waste disposal it is necessary to separate plastic or rubber parts from the electrical components. The parts made out of plastic material, aluminium or steel can be recycled if collected separately and delivered to waste & recycling providers.

1.10 Technical Specifications

		D/G 1	D/G 60	D/G 2
Voltage	Volts	230/400/50/60	230/400/50/60	230/400/50/60
Current draw	A	12/7	15,6/9	20/11,6
Cord length	mt.	10	10	10
Power	Hp/Kw	4/3	5,5/4	7,5/5,5
Waterlift	mm H₂O	4500	5000	5000
Air flow	m³/h	350	500	600
Filter area	cm₂	20,000	30,000	49,000
Polyester main filter	g/m₂	550	550	550
Safety filter	cm₂	9,800	9,800	9,800
Filter load	m³/m²/h	175	166	122
Tank capacity	Litres	100	100	100
Machine inlet	Ø	80	80	80
Noise level	dB(A)	72	74	74
Insulation	Class	F	F	F
Protection	IP	55	55	55
Overall dimensions	cm	64x115	64x115	64x115
Height	cm	150	150	170
Weight	Kg	120	140	150
Absolute (HEPA) filter area	cm₂	30,000	50,000	50,000
Absolute (HEPA) filter efficiency	D.O.P. test	99.999%	99.999%	99.999%
		D/G 1 ELF	D/G 60 ELF	
Filter area	cm₂	30,000	49,000	
Filter load	m³/m²/h	117	102	

		D/G 100	D/G 150
Voltage	Volts	400 / 690 -50/60	400/690/50/60
Current draw	A	20/16,8	25,3/14,6
Cord length	mt.	10	10
Power	Hp/Kw	10/7,5	17/12,5
Waterlift	mm H2O	5000	4400
Air flow	m3/h	800	1100
Filter area	cm2	49,000	49,000
Polyester main filter	g/m2	550	550
Safety filter	cm2	9.800	9.800
Filter load	m3/m2/h	163	225
Tank capacity	Litri	100	100
Machine inlet	Ø	80	80
Noise level	dB(A)	76	78
Insulation	Classe	F	F
Protection	IP	55	65
Overall dimensions	cm	64x115	64x140
Height	cm	170	175
Weight	Kg	200	250
Absolute (HEPA) filter area	cm2	50,000	50,000
Absolute (HEPA) filter efficiency	D.O.P. test	99.999%	99.999%

		D/G 100 ELF	D/G 150 ELF
Filter load	m3/m2/h	114	157
Filter area	cm2	70,000	70,000

1.11 Warranty

Delfin S.r.l. warrants this vacuum model for a period of 24 months from the date of purchase, as indicated on the fiscal document issued by the dealer upon delivery to the final customer.

This warranty will be void in case the vacuum is repaired by any unauthorised person or if it is misused, employing tools and accessories that are not supplied or recommended by Delfin S.r.l., or in case the CE marking plate with the machine's serial number has been removed or altered during the warranty period.

Delfin S.r.l. will be bound to repair or replace all parts which may result defective in construction and/or material. Repair or replacement will be free of charge. Repair will only be executed at the manufacturer's premises or executed by a Delfin recommended Technical Service Centre. Transport charges to return the vacuum to the Manufacturer shall be bound by the purchaser, unless otherwise agreed.

Warranty does not cover the cleaning of working parts, whether required.

Any faults which are not clearly attributable to the vacuum's material or construction will only be examined and discussed at the manufacturer's premises or at any Technical Service Centre recommended by the manufacturer. In case the claim is unjustified, all repair and/or replacement costs and expenses shall be paid by the purchaser.

The purchase fiscal document must be submitted to the Manufacturer's personnel in charge of repair operations. It can also be sent to the Manufacturer along with the vacuum at the time of shipping.

Warranty will not cover the following: accidental damages, transport damages, damages due to negligence or incorrect handling, misuse or incorrect use due to failure to follow the warnings and instructions prescribed in this manual, as well as any problems which are not due to the vacuum's normal use and service. Delfin S.r.l. will not be responsible for any damage or injury to third parties, which may occur due to misuse or incorrect use of the vacuum.

Should any dispute arise in connection with the above, the Court of Turin, Italy, will have jurisdiction to settle any such dispute.

The manufacturer will accept no liabilities in case any of the following circumstances occur;

- . • Failure to submit the herein Warranty Certificate.
- . • Failure to follow the instructions prescribed in this manual.
- . • Use of non original spare parts.
- . • No maintenance or improper maintenance.



2.1 Information on safety

The person responsible of safety must inform the workers about the risks they are exposed in connection with the vacuum service and use. Moreover, the workers must be properly trained in order to be able to protect themselves as well as others from injury.

Failure to observe the safety regulations or warnings may cause damages and injury when operating the vacuum or executing maintenance and repair operation. Accidents and injury may be avoided identifying any dangerous conditions and preventing their occurrence. The operator must be careful and adequately trained to be competent and able to correctly execute the work assigned.

Delfin s.r.l. shall not be responsible for any damage and/or injury which may be due to the vacuum's misuse or operating performed by inadequately trained staff or due to failure to follow, even partially, the safety warnings and instructions reported in the herein manual.

The safety instructions and warnings are prescribed in this manual and reported on the warning plates applied to Delfin vacuums. Failure to respect the aforesaid safety warnings may cause injury to the operator and to other people as well.

The safety warnings are highlighted by the following signs:



CAUTION!

Failure to observe these warnings may cause injury to the operator.



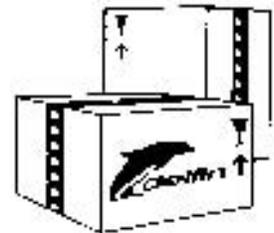
WARNING!

Failure to observe these warnings may cause damages to the vacuum.

The manufacturer cannot foresee any possible dangerous condition. Therefore, the warnings reported in this manual and on the machine are not exhaustive. Whenever using tools, working procedures or methods which have not been expressly recommended by Delfin S.r.l. it is necessary to make sure that such tool, working procedure or method is not harmful or dangerous.

Use original DELFIN spare parts only.

Delfin S.r.l. will accept no claims and liability in case non-original spare parts are used.



2.2 Safety warnings



CAUTION!

The instructions prescribed herein cannot preserve you from any danger in connection with the vacuum's use and service. To prevent injury, it is necessary to operate with care and competence, relying on experience. In addition to the following instructions, specific safety warnings for the different operations are reported in each section.

Maintenance operations must always be executed after unplugging the machine.

In compliance with the applicable laws and regulations in force, the employer must ensure that the workers and staff using the equipment are properly trained and informed.

Before operating this equipment, carefully read the herein manual as a preliminary personal training step. Untrained or unauthorized people must be forbidden to operate this machine.

It is prohibited to vacuum toxic substances unless the machine is equipped with specially provided filters, which should be expressly required for the specific type of dust.

Do not vacuum flammable or explosive substances (such as fuel, solvents and so on). To collect this kind of material the machine must be constructed with anti-explosive system and engine: this specification must be expressly required when ordering the machine.

It is prohibited to vacuum corrosive substances unless the equipment is provided with suitable containers (AISI 304 stainless steel).

It is recommended not to use the vacuum without filters.

If the filters are correctly fitted, the machine will not release any collected substance into the environment.

In case the machine is used to vacuum toxic-harmful substances, the collection container's emptying as well as the filter's cleaning operations must be executed using the appropriate safety devices required to protect the operator from the collected substances.

Do not lay any object or material on the horizontal guards.

The machine's fairing containing mobile parts must not be removed by the operator.

Mind other people, especially children, when operating the vacuum.

Handle the machine carefully, specially on slopes or ramps. Do not turnaround the machine on slopes.

Set on the wheel's brake to ensure that the machine position is stable.

Cleaning, maintenance and part replacement operations must always be executed after having switched off and unplugged the machine.

Repair operations must be executed by qualified personnel only.

Be careful not to damage or squash the supply cable (cord) when operating the machine.

Check the supply cable on regular basis. Do not use the machine if the cable is damaged.

In case of cable, tap or connector replacement, ensure protection against water and check mechanical strength.

Do not drag the machine pulling the supply cable and the suction hose.

Brush, engine and/or fuse replacement must be executed by the manufacturer or by the Delfin authorized service centres. It is recommended to use Delfin original spare parts only.

The final user must provide for the collected substances' waste disposal in compliance with the applicable laws and regulations in force.

Machine overhaul is recommended after 10 years of life. The overhaul should be performed by Delfin S.r.l., the manufacturer.

The machine is delivered to the final user with the following documentation: instructions manual, spare part list, certificate of conformance, warranty certificate, homologation certificate.

All DELFIN products are covered by product limited warranty for covering (*"Responsabilità civile verso i terzi -prodotti"*), in compliance with the Italian law).

The manufacturer will not be liable for any damage which may occur in connection with the use or service of vacuum supplied in case it is utilized with tools or accessories that have not been provided by Delfin S.r.l. Without prejudice for the above, it is recommended to keep the machine construction complying with the safety standards prescribed by the EC 98/37 Machine Directive.

The vacuum must not be used in corrosive or explosive environment.

Keep the vacuum clean and free of any contamination material such as dust, debris or oil. Moreover, keep it away from tools or other objects which may affect the machine's efficiency and cause damage and/or injury.

Do not use flammable or toxic solvents, such as gasoline, benzene, ether and alcohol for cleaning.

Avoid long-time exposure to solvents and inhalation of solvent vapours. Do not use solvents in presence of heat or fire sources.

Never use the vacuum without filter.

Do not suck lighted cigarettes or cigarette stubs as burning material may damage the machine's filter.

Do not collect gasoline, fuel or other flammable liquids.

Ensure that all shields and protections are put in place and that all safety devices are available and efficient.

Do not wear loose clothes or accessories such as ties, scarves or torn clothes which may be caught or sucked by the vacuum.

Do not open the collection container when the vacuum is working.

The "Operating and maintenance manual" must always be readily available for consultation, in order to be able to ascertain the correct working procedures in case of doubts. Should this manual get lost or damaged, please ask Delfin s.r.l. for another copy.

Structural damages, modifications, improper changes or repair may affect the vacuum's safety and therefore annul the herein certification. Any modification required should be authorized and executed by Delfin engineers only.

During maintenance operations it will be necessary to affix a warning sign on the vacuum with the following indication: "MAINTENANCE: DO NOT START THE MACHINE".

Do not get on the vacuum.

Do not touch wires, switches and switch-buttons if your hands are wet.

Before plugging the vacuum, ensure that power supply voltage and frequency meet the specifications required and reported on the machine's plate.

Connect the machine to an electrical system outlet with efficient earth.

In case it is necessary to use an extension, check that the extension is in perfect conditions, CE marked and that the extension cable's cross section area is suitable for the vacuum's electrical input.

To recover the vacuum's original working conditions after maintenance, the operators must check that the machine's protections, particularly safety devices and guards, have been put back in place ensuring safety working conditions.

The vacuum must be operated by adults only.

Before executing vacuuming operations, always set on the specially provided vacuum's wheel brake to ensure that the vacuum's position is stable.

2.3 Safety warnings and signs.

Plates with safety warnings and/or signs are applied on the vacuum.



CAUTION!

Ensure that all safety warning plates are readable.

Wipe the plates with a damp cloth using water and detergents. Do not use any solvents, NAFTA or gasoline. Damaged plates must be replaced with new ones, available upon request to Delfin S.r.l. In case of safety warning plates applied on vacuum components to be replaced, ensure that warning plates will be applied on the new replaced parts as well.



CAUTION!

Carefully read the “Operating and Maintenance Manual” before using the vacuum or executing maintenance operations.

ATTENZIONE! WARNING! ATTENTION! ACHTUNG! ATENCION! ATTENTIE!

- SCUOTERE IL FILTRO SOLO A MACCHINA SPENTA
- SHAKE THE FILTER ONLY WHEN THE EXHAUSTER IS OFF
- SECOUER SEULEMENT APRÈS AVOIR DEBRANCHÉ L'ASPIRATEUR
- NUR BEI STEHENDER MASCHINE BETÄTIGEN
- SACUDIR SOLO CON MAQUINA PARADA
- FILTER SCHUDDEN BIJUIITEESCHAKELDE MACHINE



CAUTION!

Do not vacuum flammable or explosive powder or liquids!

CAUTION!

Shake the filter only when the machine is switched off!

Be careful not to get your hands squashed when positioning and securing the vacuum's collection container. Never put your hands on the collection container's edges nearby the check pins when executing the aforesaid operation, which must be performed using both your hands to control the coupling side levers.

2.4 Residual risks

Accurate risk analysis carried out by the manufacturer and filed in the technical documentation of reference, brought to the elimination of the majority of risks in connection with the use of the Delfin vacuum.

The manufacturer recommends all users to strictly follow the herein instructions, procedures and warnings and to comply with all applicable laws and safety regulations, including utilization of the safety devices prescribed, whether installed on the vacuum or to be used or worn by the operator for personal safety.

The residual risks in connection with the Delfin vacuum are the following:

Risks arising from the need to operate with Low voltage.

Complying with the Italian law decree DPR 547/55, Low voltage operations can only be executed by qualified and trained personnel, after providing efficient double earth insulation.

Risks arising from improper machine utilization in presence of flammable or explosive substances. The vacuum must not be used in workplaces or environment with dangerous substances such as flammable dust and/or gas and/or liquids, which may evaporate at ambient temperature and therefore contaminate the environment.

Risks arising from the vacuum's storage and use in a wet/damp environment.

In order not to compromise the vacuum's efficiency, it is necessary to respect the storage and operating limits prescribed in the herein section 1.6, Environmental conditions.

Risks arising from misinterpretation of the safety warnings and signs.

To avoid the above risk, the manufacturer applies safety warning plates on all vacuums, in compliance with the applicable laws and regulations prescribing the warning signs to use. The final user must immediately replace any safety warning plate becoming unreadable due to wear or damage.



CAUTION!

It is absolutely prohibited to remove the safety warning plates from the vacuum.

The manufacturer declines any responsibility on the vacuum's safety in case of failure to respect this warning.

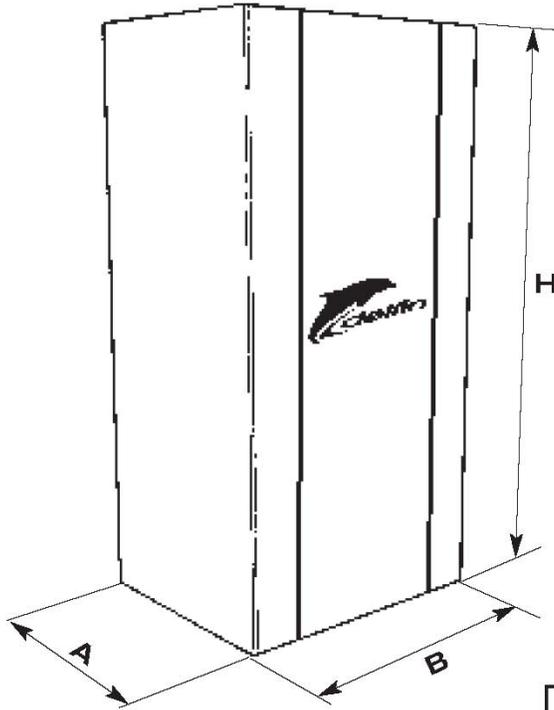
2.5 Applicable Directives

The vacuum described in the herein manual complies with the following directives:

- EC 98/37 Machinery Directive
- EC 89/336 Electromagnetic Compatibility (EMC) Directive
- EC 73/23 EEC Low Voltage Directive



3.1 Handling



	A (cm)	B (cm)	H (cm)	Weight (Grms)
D/G 1	73	147	140	120
D/G 60	73	147	140	140
D/G 2	73	147	160	150
D/G 100	73	147	160	200
D/G 150	73	160	190	250

The machine is delivered in a robust carton box package, secured with straps.

Handling must be executed throughout a forklift having appropriate carrying capacity, after checking the package's positioning and stability on the forks.



Before executing handling operations, ensure that the forklift's working area is clear and that no objects are laying on the package.

During handling operations, keep the forklift position low for major stability and safety.

Once in use, the vacuum should be handled normally, riding it on its own wheels.

It is expressly prohibited to lift the vacuum using hoisters or forklifts or other equipment.

In case it is necessary to lift the vacuum for any reason, the final user shall be responsible for this operation as the manufacturer will accept no liabilities in connection thereto. It is recommended to properly handle and secure the package during such eventual lifting operations, to ensure safe handling and transport.

3.2 Installation



WARNING!

Before proceeding with installation it is necessary to visually inspect the vacuum first, checking for any damages which may have occurred during transportation.

In case damages or faults are detected on one or more components, it will be necessary to suspend installation and notify the manufacturer about the failure. Remedy and actions to be taken shall be agreed with the manufacturer.

The vacuum filter is already placed inside the machine.

Fit the required vacuum accessory to the flexible hose's open end.



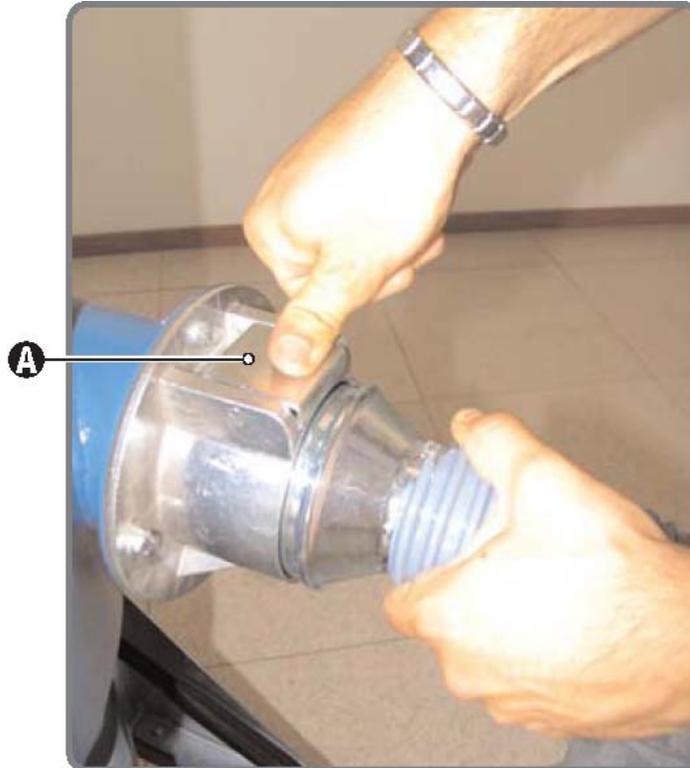
Note: No standard accessories (reducers, hoses, nozzles) are included with the vacuum; accessories must be specified and ordered separately.

Please contact your dealer for further information concerning the different types of OPTIONAL accessories available for this particular vacuum model..

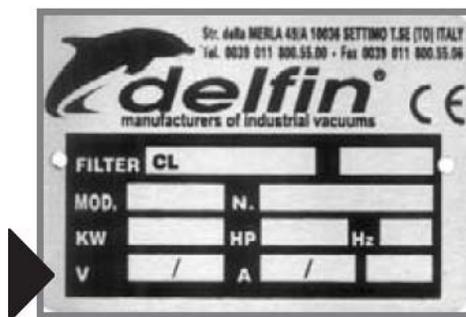
Insert the flexible hose into the vacuum's inlet plug.



To withdraw the flexible hose, press the release trigger (A) as shown in the picture.



Ensure that power supply meets voltage and frequency specifications as indicated on the vacuum's marking plate and control panel.



CAUTION!
Do not plug the vacuum's tap if your hands are wet.

In case it is necessary to use an extension, check that the extension is in perfect conditions, CE marked and that the cable's cross section area is suitable for the vacuum's electrical input.



CAUTION!

The vacuum must not be used by unauthorised staff.
Authorised staff should read this manual before operating the vacuum.

Operating and maintenance authorised staff must be properly trained on the function and use of the safety devices to be worn for personal safety such as safety shoes, gloves, mask and goggles, which eliminate the risks in connection with the operations to be performed.



**W
O
R
K
I
N
G

P
R
O
C
E
D
U
R
E
S**

4.1 FUNCTIONAL DESCRIPTION OF CONTROLS

Valid for
D/G 1 - D/G 60 - D/G 2 models



- 1) STOP switch
- 2) START switch
- 3) MAIN switch

Valid for
D/G 100 - D/G 150 models



- 1) MAIN switch
- 2) EMERGENCY push-button
- 3) MACHINE ON (Voltage) white warning light
- 4) VACUUM START green warning light
- 5) VACUUM STOP red warning light
- 6) Vacuum gauge

4.2 Working procedures



CAUTION!

Before plugging the machine, ensure that power supply voltage meets the vacuum's specifications indicated on the CE marking.

- Make sure that the machine is correctly plugged.
Make sure that the flexible suction hose is duly fitted into the specially inlet plug.
- Make sure that the supply cable and the eventual extension are in perfect conditions.
- Set on the vacuum wheel's brake to ensure that the machine is stable.
- Turn on the main switch to the "I" position to start suction.
- Turn off the main switch to the "O" position (downwards) to stop suction.



WARNING!

Wait until the vacuum's engine has stopped completely before turning on the machine again.

Once the operations have been completed, turn off the vacuum and unplug it..

Use the specially provided handle to shift the vacuum.



CAUTION!

The vacuum can be shifted manually on flat grounds only.
The vacuum's heavy weight may not allow the operator to shift it safely on slopes as it would be difficult to handle and control the machine avoiding dangerous collision which may cause damages and injury.



WARNING!

Do not tangle or ply the flexible hose during vacuuming operations.

4.3 Collection container's release and withdrawal

Turn off all the switches of the machine to stop the vacuum's engine.



CAUTION!

Unplug the machine before executing this operation.

Pull up the shackle placed in the lower part of the vacuum and withdraw the collection container.



Empty the collection container transferring the collected debris into a specially provided container for waste disposal, complying with the applicable laws and regulations in force.



CAUTION!

Use the dust mask to execute this operation safely.

To facilitate this operation and eventually avoid using the dust mask, place a nylon bag inside the collection container before executing the vacuuming operations and fix it using the specific accessory available as an option.



CAUTION!

Be careful not to get your hands squashed when fitting and securing the vacuum's collection container.

Never put your hands on the collection container's edges nearby the check pins when positioning and securing the collection container.

This operation must be executed using both your hands on to control the shackle's side levers.

4.4 Filter shake system

Filter shake operation must be executed only after the machine has been switched off and after the engine has stopped completely. Filter shake should always be driven before using the vacuum and after long periods of uninterrupted working.



If the optional automatic filter shake system is available, press the blue led switch and keep it pressed for a few seconds to start filter shake functions.

To facilitate work, it is possible to place the most frequently used accessories in the specially provided accessory compartment (A).



WARNING!

Do not tangle or ply the flexible hose during vacuuming operations.

On the front side of the vacuum there is a vacuum gauge indicating suction pressure level inside the vacuum. If the suction inlet is free and the vacuum gauge pointer indicates irregular suction pressure, it is necessary to shake the filter operating the specially provided lever. If the suction pressure value is still excessive, it is necessary to clean or replace the main filter or the safety filter.



WARNING!

Do not use the machine with clogged filters.



WARNING!

If the vacuum gauge pointer still indicates excessive suction pressure after filter cleaning, the suction flexible hose or the accessory applied may be obstructed. As the case may be, check the hose and the accessory and clean them removing the obstruction.

4.5 Timer setting for the automatic filter shake option. (D/G 150 - D/G 150 ELF)

- . • Turn the main switch to the OFF position.
- . • Unplug the machine.
- . • Open the board panel using the specially provided key.

KT1 Timer

With the aid of a screwdriver Adjust the vacuum's engine working time by setting the timer's parameters on the central selector (hours, minutes and seconds) . The upper selector adjusts the percentage deviation on the central selector's time parameter. The lower selector mustn't be adjusted.

KT2 Timer

Adjust the filter shake piston's working time (motion/piston strokes) setting the timer's parameters on the central selector (hours, minutes and seconds) using a screwdriver. The upper selector adjusts the percentage deviation on the central selector's time parameter. The lower selector mustn't be adjusted.

KT3 Timer

Adjust the filter shake time setting the timer's parameter (seconds).

KT4 Timer

With the aid of a screwdriver, adjust the waiting time (seconds) to set the device's stand-by parameter before automatically starting filter shake operations.

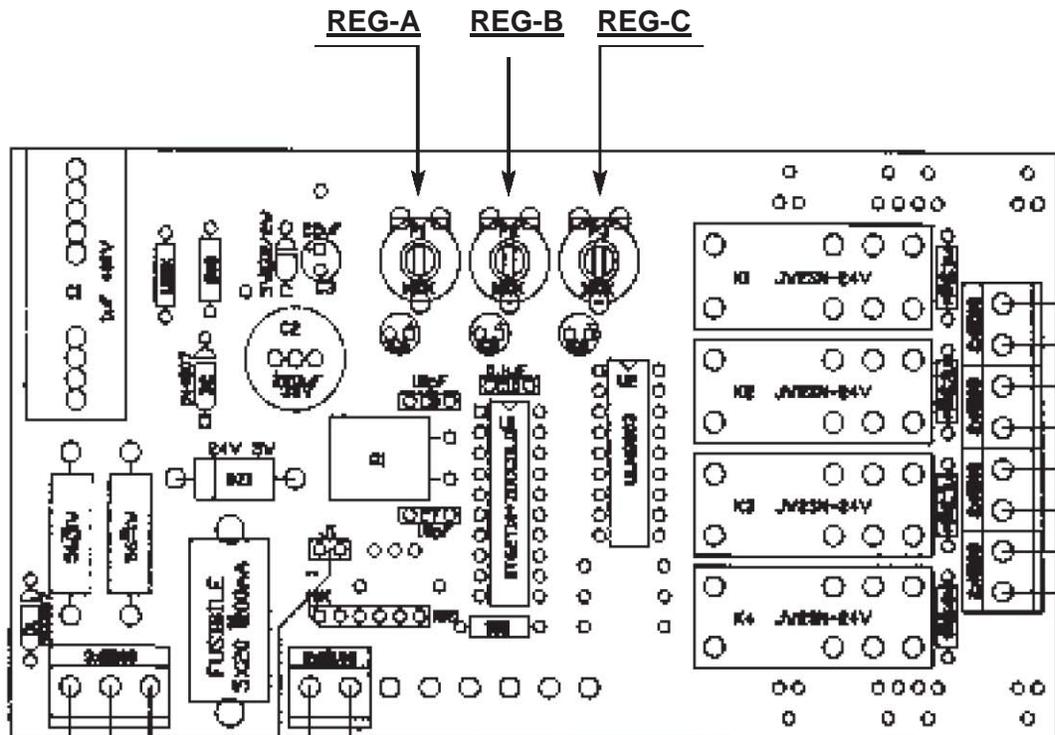
4.6 Timer setting (option available on pneumatic models only)

- REG-A sets the pause parameter between two consecutive blows (to another cartridge). This timer's standard setting is one minute, nearly.
- REG-B sets the relay pickup time, alias the duration of the compressed air blow for filtering cartridge cleaning. This timer's standard setting is 0,6 seconds, nearly.
- REG-C sets the end-of-cycle time, alias the time between the end of a cleaning cycle (which includes blowing all cartridges) and the beginning of a new one. This timer's standard setting may be adjusted according to the specific applications to which the machine is destined.

The relay working sequence is: 1 → 2 → 3 → 4 → 1 → 2 →

In the event of two-cartridge filter blowing, the relay working sequence is the following:

1 → 3 → 1 → 3 →



4.7 Vacuum gauge function

On the front side of the vacuum there is a vacuum gauge indicating suction pressure level inside the vacuum. If the suction inlet is free and the vacuum gauge pointer indicates irregular suction pressure, it is necessary to shake the filter.

If the optional automatic filter shake system is available, press the blue led switch and keep it pressed for a few seconds to start filter shake functions.

If suction pressure value is still excessive, it is necessary to clean or replace the main filter or the safety filter.



MAXIMUM SUCTION PRESSURE LIMIT

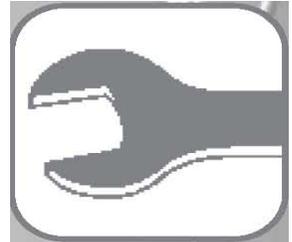
D/G 1 - D/G 1 ELF	2600 ÷ 6000 mmH ₂ O
D/G 60 - D/G 60 ELF	2700 ÷ 6000 mmH ₂ O
D/G 2	3400 ÷ 6000 mmH ₂ O
D/G 100 - D/G 100 ELF	2700 ÷ 6000 mmH ₂ O
D/G 150 - D/G 150 ELF	2900 ÷ 6000 mmH ₂ O



WARNING!
Do not use the vacuum with clogged filters.



WARNING!
If, after filter cleaning, the vacuum gauge pointer still indicates excessive suction pressure the suction flexible hose or the accessory applied thereon may be obstructed. As the case may be, check the hose and the accessory and clean them removing any obstruction.



M
A
I
N
T
E
N
A
N
C
E



WARNING!

The vacuum's extraordinary maintenance shall only be executed by the manufacturer's technical engineers.

5.1 Information and warnings

Ordinary maintenance and checking operations required to ensure the vacuum's efficiency are described in this section,

Any intervention, other than ordinary maintenance operations described herein, which may be necessary to eliminate faults or failure must be expressly authorized by the manufacturer, to whom the user must apply always specifying the vacuum's identification data.

In case of problems requiring a broaden repair operation, it is recommended to take the vacuum to the authorized dealer whose qualified personnel, relying on expertise and knowledge of the OEM's construction technology, will always be available to timely and properly provide service and assistance.

5.2 General safety rules

Maintenance operations must only be executed by qualified and trained engineers operating in the specific fields required for this machine, as follows:

- mechanical maintenance
- electrical maintenance

The person responsible of safety must verify the professional skills and competence of the aforesaid engineers in-charge of maintenance.

Before authorizing any maintenance operations to start, the person responsible of safety must:

- clear workplace from unauthorized people;
- ensure that all necessary tools are in good conditions and readily available to the maintenance operator;
- check that lighting is appropriate and, if necessary, provide for supplementary portable 24 Volt lamps;
- ensure that the maintenance operator is provided with all homologated personal safety devices required to safely execute the scheduled operation/s (gloves, goggles, safety shoes and so on);
- ensure that the maintenance operator has carefully read the herein manual's instructions and perfectly knows the vacuum's working system.

Before starting any maintenance operation, the maintenance engineer must:

- unplug the machine.

Any operation on the vacuum's engine or other electrical components shall only be executed by the electrical maintenance engineer, who must be specially trained for this task and shall also be authorized by the person responsible of safety.

Always use the specially provided tools for the operation to be executed and check that such tools are in perfect conditions. Using unsuitable or inefficient or defective tools may cause serious damages and injury.

5.3 Maintenance operations



CAUTION!

All the operations described here following must be executed after unplugging the machine.

Before commencing any maintenance or cleaning operation, wear the appropriate personal safety devices such as goggles, gloves and other, to safely perform the work required.

To ensure the vacuum's efficiency, it is recommended to check the machine on regular basis as follows:

- Check the filter for wear faults and ensure the filter hasn't become too breathable.
- Check that the head basement sheath, the filter holding ring sheath and the collection container's sheath are hermetic.
- The electrical units (plugs, switches, cables and so on) must have no faults or defects.
- Check that the safety filter is not too dirty or clogged.
- Screws and nuts must always be tightened.
- Check that the collection container is not full; it is recommended to empty the collection container when the collected material fills $\frac{3}{4}$ of its maximum capacity,
- Check the conditions of the suction flexible hose and of the accessories. Any hole, crack or fissure in the flexible hose will reduce suction power and disperse the vacuumed powder into the environment.



WARNING!

Any maintenance or repair operations other than the above described ones shall be executed by the manufacturer or by the service centres authorized by Delfin S.r.l.

5.3.1 Safety cartridge-filter cleaning (D/G 1-2-60-100 models)

Filter replacement operation shall only be executed after having switched off and unplugged the vacuum.

For disassembly, release the container's cover, lift it and then withdraw the cartridge-filter as shown in the figures below.



Use another vacuum to clean the cartridge-filter and remove the dust thereon.

For assembly, once the cartridge-filter cleaning has been completed, execute the same disassembly operations in reverse order.



WARNING!

Do not blow compressed air jets which may damage the filtering cloth.

5.4 Filter replacement

For filter replacement proceed as follows: - Disconnect the vacuum turning off the switch to the “0” position (downwards) – Unplug the vacuum.



CAUTION!

Always wear your personal safety devices.



Set on the wheel's brake to ensure that the machine position is stable.



Pull up the two side levers (shackle) at the same time to release the collection container.



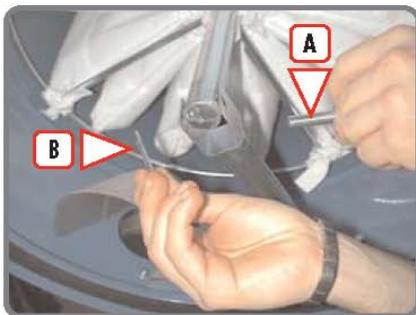
Remove the collection container.



Release the vacuum's head spring hook fasteners.



Lift the cover and lay it on the supporting bench.



Operating from the vacuum's bottom, remove the pin (A) and the split pin (B) securing the filter to the shake lever.



Lift the filter and the holding ring.



Loosen the clamp and remove the holding ring with the sheath.



Untie the knots and withdraw the multi-ply filter, reassemble the filter proceeding with care and finally fasten the cover.



CAUTION!

The debris within the filter as well as the filter itself must be disposed in compliance with the applicable laws and regulations in force.



The collection container's fitting and securing operation must be executed by one person only, pushing the shackle down with both hands.



CAUTION!

Be careful not to get your hands squashed.

5.4.1 Cartridge filter cleaning or replacement (option)

To remove the filter proceed as follows:

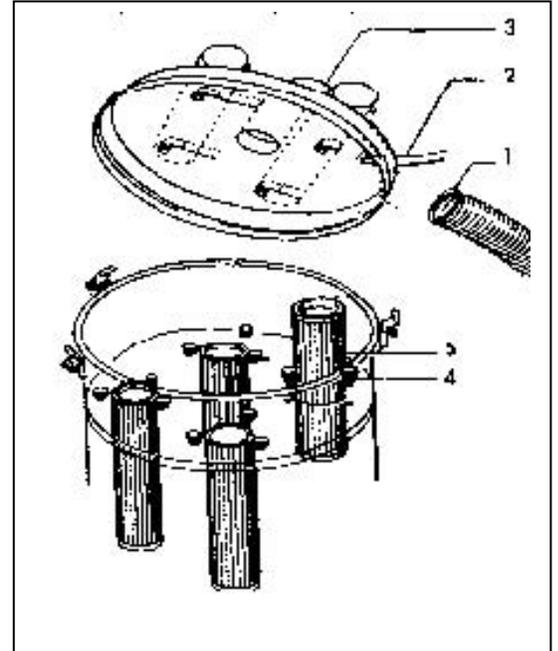
- switch off the vacuum turning the main switch to the "0" position.
- unplug the vacuum.



CAUTION!
Wear your personal safety devices.

- Withdraw the connection hose (1) from the cover of the filtering chamber.
- Disconnect the compressed air connection cable (2).
- Lift the cover (3).
- Loosen the cartridge filter's (5) fastening nuts.
- Withdraw the cartridges one at once then replace the cartridges with new ones.

To reassemble the unit, execute disassembly operations described above in reverse order.



The polyester cartridge-filters may be washed a few times (however, it is recommended not to wash them more than three times as a maximum) using a high-pressure hydro-cleaning machine and respecting the following rules:

- pressure (max.);
- temperature (max. 100 °C);
- detergent (PH=5/6).

The cartridge must be washed slowly, orienting the water jet from the top with a 3/10 inclination downwards at nearly 30 cm. distance from the nozzle. The clean, water-free cartridge must be dried to ensure its efficiency after regeneration, avoiding any inconvenience. There are two methods to dry the cartridge-filter:

- 1) ambient temperature drying for one week;
- 2) oven drying at maximum 100 °C temperature for 12 hours, nearly.

Dry clean using a vacuum cleaner.

Use a vacuum cleaner to clean the cartridge-filter and remove the dust thereon. For assembly, once the cartridge-filter cleaning has been completed, execute the same disassembly operations in reverse order.

Remark: Do not blow compressed air jets which may damage the filtering cloth.

5.5 Troubleshooting

Problem	Possible root-cause	Corrective action
The vacuum does not start	No power supply.	Check power supply voltage in the outlet.
Dust dispersion	Damaged/ suction hose. Damaged filter. Inappropriate filter.	Check the conditions of the tap and of the supply cable. Replace the hose. Replace the filter. Replace the filter with an appropriate one, suitable for the material to be collected.
The vacuum doesn't work as it should	Damaged or obstructed hose Collection container is full. Clogged filter. Worn sheaths. Air leak	Check the hose and replace it if necessary. Empty the collection container. Clean the filter and eventually replace it. Check the sheaths and eventually replace them. Check for air leak from the spring hook fasteners, the fastening screws, the collection container, the filter chamber.
Excessively noisy engine	Contact Delfin S,r,l, and ask for technical service.	



WARNING!

For any other problem occurring with the vacuum, please call DELFIN technical service.



S
P
A
R
E

P
A
R
T
S

Spare parts may be requested completing and sending us the here enclosed order form by fax, mail, or writing to our e-mail address as follows:

 **FAX** **0039.011.8005506**

 **E-mail** **delfin@delfinvacuums.it**

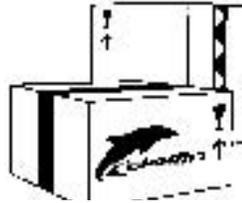
 **Mail** **Strada della Merla, 49/a
10036 Settimo Torinese (TO) Italy**

Recommended spare parts

DESCRIPTION	PART NUMBER
14 plies polyester filter Ø 500 H 400 (D/G 1 model)	AR 3024
20 plies polyester filter Ø 500 H 400 (D/G 1 ELF, D/G 60 models)	AR 3003
20 plies polyester filter Ø 500 H 600 (D/G 60 ELF, D/G 2, D/G 100, D/G 150 models)	AR 2072
20 plies polyester filter Ø 560 H 750 (mod. D/G 100 ELF, D/G 150 ELF)	AR 3753
Filter holding sheath Ø 500	AR 2013
Filter holding sheath Ø 560	AR 2582
Filter clamp Ø 500	AR 2018
Filter clamp Ø 560	AR 2588
Collection container's sheath/chamber Ø 500	AR 2059
Collection container's sheath/chamber Ø 560	AR 2590
Safety filter	AR 4003



To:



Delfin s.r.l.
 Strada della Merla, 49/a 10036
 Settimo Torinese (TO) Italy
 Ph. 0039.011.8005500
 Fax 0039.011.8005506

DATE: ___ / ___ / ___

Page ___ of ___

Please write in capital letters or print

-----Spare Part Order Form-----

From:

Phone:

C O N S I G N E E	ADDRESS																		
	TOWN											PROV.							
	COUNTRY											PH.							

MODEL:	P/N:	TAV:	Spare Part Number:	Quantity:
DESCRIPTION				
MODEL:	P/N:	TAV:	Spare Part Number:	Quantity:
DESCRIPTION				
MODEL:	P/N:	TAV:	Spare Part Number:	Quantity:
DESCRIPTION				
MODEL:	P/N:	TAV:	Spare Part Number:	Quantity:
DESCRIPTION				
MODEL:	P/N:	TAV:	Spare Part Number:	Quantity:
DESCRIPTION				



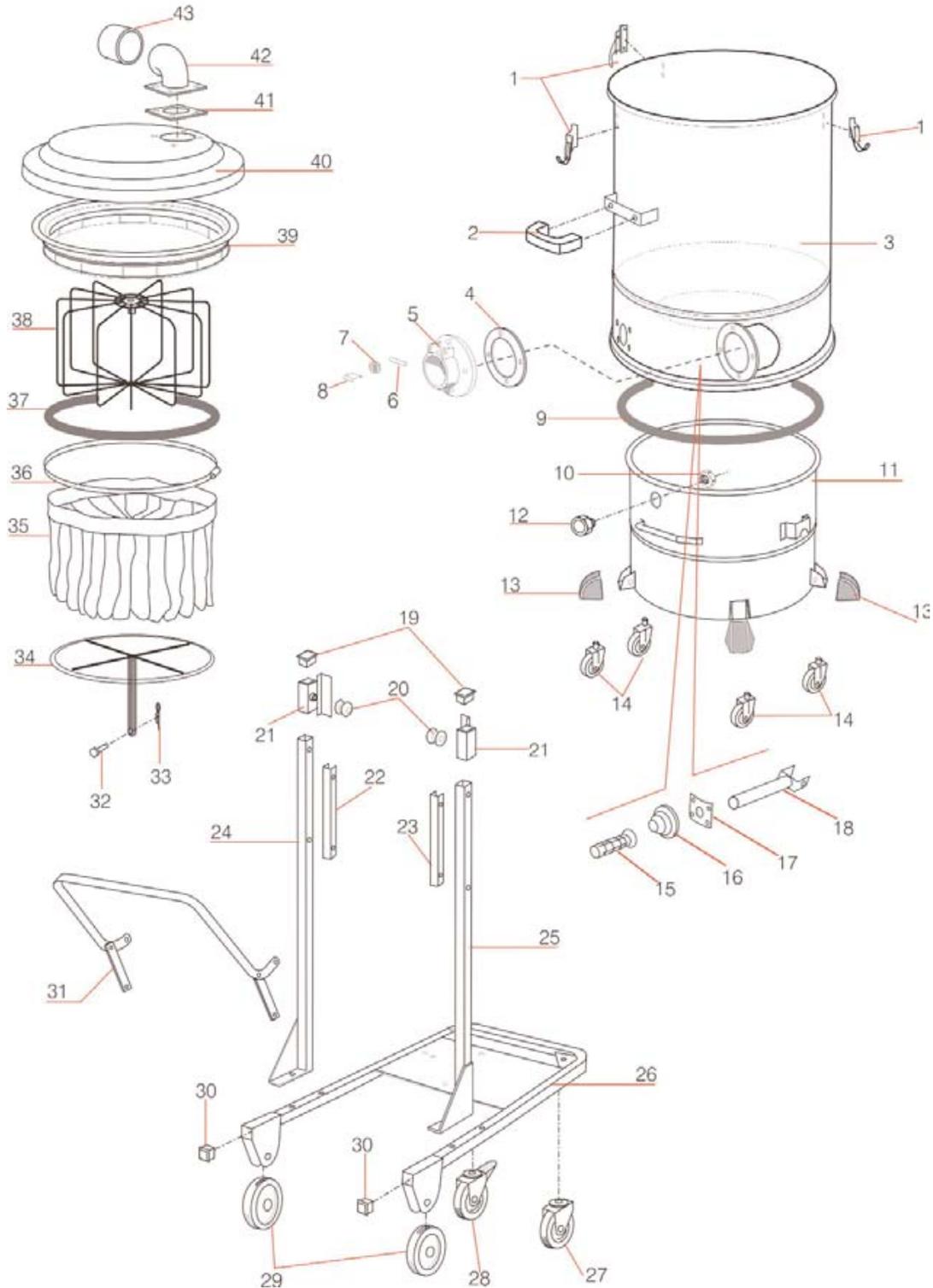
01 – D/G 1 Model, RSCH Series

REF.	PART NUMBER	Quantity	DESCRIPTION
1	AR2002	3	Spring hook fasteners
2	AR2001	1	Handle L=140
3	AR3981	1	Filter chamber Ø500 H=650 TNG. FL.
4	AR2414	1	Die-cast hose inlet plug sheath Ø80
5	AR3880	1	Flat die-cast inlet
6	AR2416	1	Die-cast inlet plug
7	AR2417	1	Pawl spring
8	AR2418	1	Die-cast inlet pawl
9	AR 2059	1	Collection container's sheath/chamber Ø500
10	AR 3114	1	Locking ring Ø40 x 1,5 Z.B.
11	AR2078	1	Collection container Ø450 H=610
12	AR 2079	1	Level indicator
13	AR3576	4	Mistral wheel cover
14	AR 2062	4	Nylon pivot wheel Ø60
15	AR2008	1	Filter shake lever's knob
16	AR2066	1	Bellow
17	AR2065	1	Bellow flange
18	AR2063	1	Filter shake lever
19	AR2051	2	35x35 square cap
20	AR2363	2	Coupling lever fulcrum
21	AR2178	2	Slider D/M3
22	AR2086	1	Right chamber profile
23	AR2087	1	Left chamber profile
24	AR3982	1	D/G Right steering column, RSCH series
25	AR3983	1	D/G Left steering column, RSCH series
26	AR3984	1	D/G trolley, RSCH series
27	AR 3449	1	Wheel Ø150 PU Piv. f/pass.
28	AR 3450	1	Wheel Ø150 PU Piv. f/pass. with brake
29	AR 2288	2	Wheel Ø150 PU
30	AR2134	2	Control board column 40x40
31	AR2084	1	Large coupling lever
32	AR2481	1	Coupling pin for filter shake casing
33	AR2480	1	3mm. zigzag spring
34	AR2457	1	Filter shake casing H=195
*35	AR3024	1	Polyester filter G Ø500 H=400 14T.
36	AR2018	1	Filter holding clamp Ø500
37	AR2013	1	Filter holding ring sheath Ø500
38	AR2456	1	Filter tensioning stand 14r.
39	AR2580	1	Filter holding ring Ø500 H=70
40	AR3985	1	Cover Ø525 1 port Ø80
41	AR2286	1	Curvedd hose inlet sheath Ø80
42	AR3986	1	Curvedd hose inlet plug Ø70, RSCH series
43	AA1023	1	Accessory hose connector Ø70

*Versions with optional filters.

Filter type	Polyester "C"	Polyester "G" ant.	Polyester "C" ant.	Polyester "G" nomex	Polyester "G" teflon
Code	AR 3025	AR 3047	AR 3086	AR 3048	AR 3049

01 – D/G 1 Model, RSCH Series

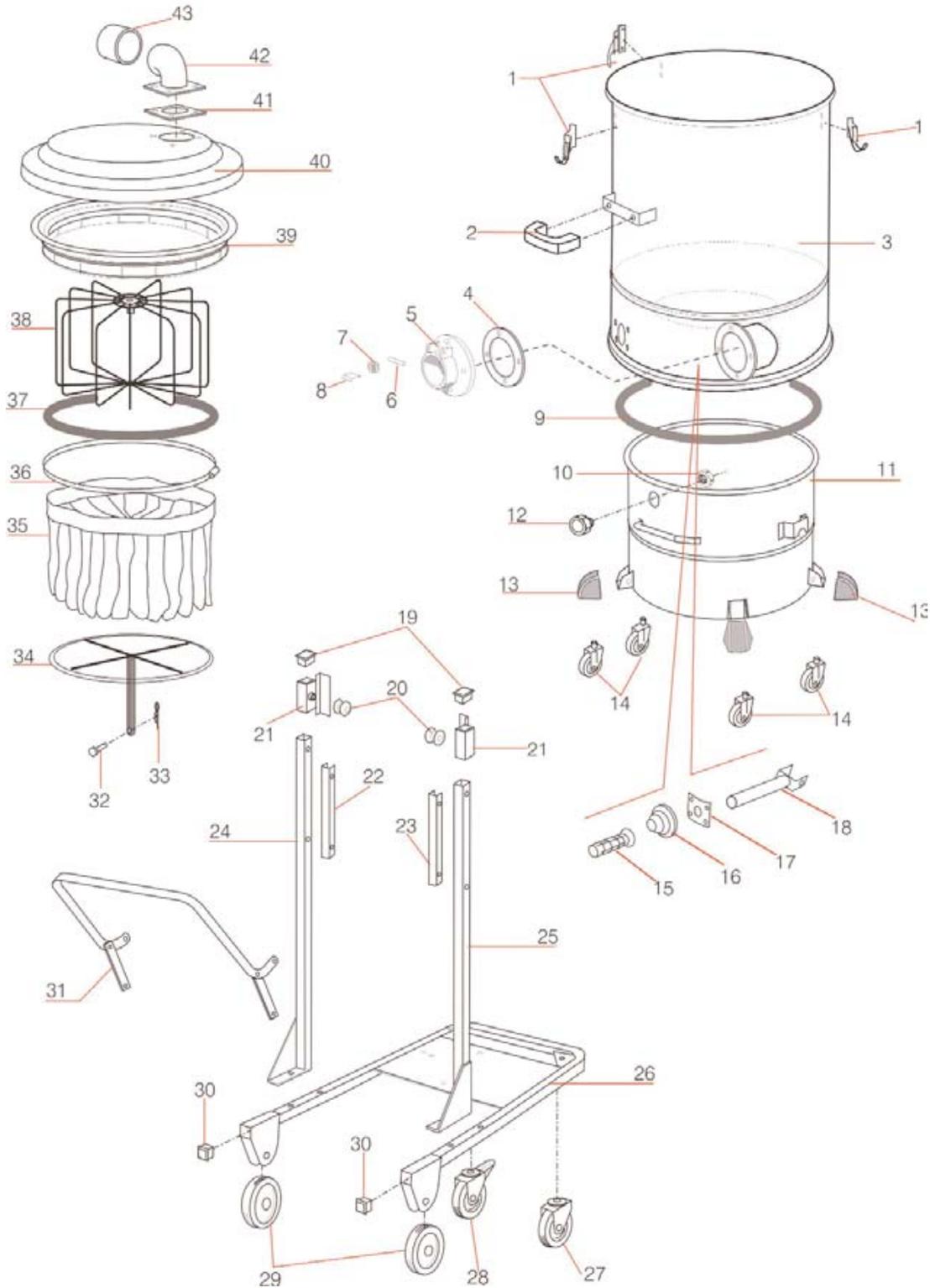



01 – D/G 1 ELF Model, RSCH Series

REF.	PART NUMBER	QUANTITY	DESCRIPTION
1	AR2002	3	Spring hook fasteners
2	AR2001	1	Handle L=140
3	AR3981	1	Filter chamber Ø500 H=650 TNG.FL.
4	AR2414	1	Die-cast inlet sheath Ø80
5	AR3880	1	Die-cast flat inlet
6	AR2416	1	Die-cast inlet plug
7	AR2417	1	Pawl spring
8	AR2418	1	Die-cast inlet pawl
9	AR2059	1	Collection container's sheath/chamber Ø500
10	AR3114	1	Locking ring Ø40 x 1,5 Z.B.
11	AR2078	1	Collection container Ø450 H=610
12	AR2079	1	Level indicator
13	AR3576	4	Mistral wheel cover
14	AR2062	4	Nylon pivot wheel Ø60
15	AR2008	1	Filter shake lever's knob
16	AR2066	1	Bellow
17	AR2065	1	Bellow flange
18	AR2063	1	Filter shake lever
19	AR2051	2	35x35 square cap
20	AR2363	2	Coupling lever fulcrum
21	AR2178	2	Slider D/M3
22	AR2086	1	Right chamber profile
23	AR2087	1	Left chamber profile
24	AR3982	1	D/G Right steering column, RSCH series
25	AR3983	1	D/G Left steering column, RSCH series
26	AR3984	1	D/G trolley, RSCH series
27	AR 3449	1	Wheel Ø150 PU Piv. f/pass.
28	AR 3450	1	Wheel Ø150 PU Piv. f/pass. with brake
29	AR 2288	2	Wheel Ø150 PU
30	AR2134	2	Control board column 40x40
31	AR2084	1	Large coupling lever
32	AR2481	1	Coupling pin for filter shake casing
33	AR2480	1	3mm. zigzag spring
34	AR2457	1	Filter shake casing H=195
*35	AR3003	1	Polyester filter "G" Ø500 H=400 20T.
36	AR2018	1	Filter holding clamp Ø500
37	AR2013	1	Filter holding ring sheath Ø500
38	AR3891	1	Filter tensioning stand 20r. D/G1-2-60
39	AR2580	1	Filter holding ring Ø500 H=70
40	AR3985	1	Cover Ø525 1 port Ø80
41	AR2286	1	Curvedd hose inlet sheath Ø80
42	AR3986	1	Curvedd hose inlet plug Ø70, RSCH series
43	AA1023	1	Accessory hose connector Ø70

Filter type	Polyester "C"	Polyester "G" ant.	Polyester "C" ant.	Polyester "G" nomex	Polyester "G" teflon
Code	AR 3043	AR 3005	AR 3044	AR 3008	AR 3003/T

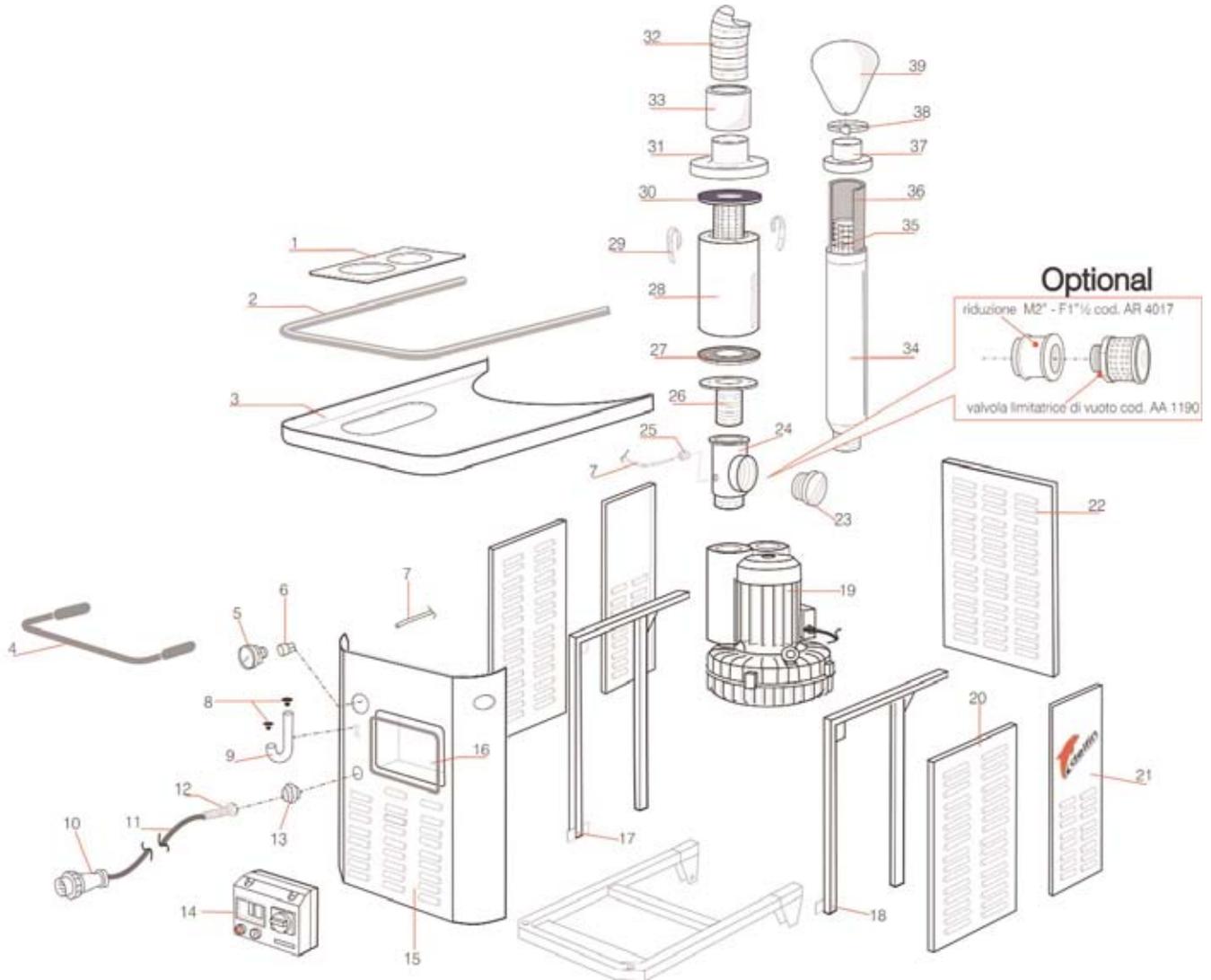
01 – D/G 1 ELF Model, RSCH Series





REF.	PART NUMBER	QUANTITY	DESCRIPTION
1	AR3987	1	D/G1-60 centring plate ,RSCH series
2	AR3988	1	D/G upper cover's outline profile, RSCH series
3	AR3989	1	D/G upper cover, RSCH series
4	AR3990	1	D/G handle , RSCH series
5	AR3140	1	Vacuum gauge Ø63 0–6000 mm.H2O
6	AR3367	1	Quick release connector
7	AR3368	1	RISLAN Pipe Ø6 L=120 cm.
8	AR3115	2	Cord hanging hook cover
9	AR3452	1	2 ports cord hanging hook with
10	AR2533	1	4-pole plug 16 A phase change
11	AR2143	Mt.10	Supply cable (cord) H07RNF 4G1,5
12	AR3234	1	Cord pickup PG 13,5
13	AR3991	1	PG 21 - 13,5 D/G1 reduction
14	AR3992	1	LC1 V400 KW 3 Cassette
15	AR3993	1	D/G1-2-60 rear cover, RSCH series
16	AR3994	1	D/G1-2-60 outline profile, RSCH series
17	AR2220	1	D/G right side panel frame, RSCH series
18	AR2221	1	D/G left side panel frame, RSCH series
19	AR3970	1	G.A. RSCH KW3 V230/400/50 IP55
20	AR3154	2	D/G side cover, RSCH series
21	AR3995	2	D/G steering column side cover, RSCH
22	AR3996	1	D/G front cover, RSCH series
23	AR3886	1	2" threaded valve cap
24	AR3997	1	"T" connector 2"F.-2"F.-2"M.
25	AR3342	1	"L" inlet connector
26	AR4016	1	Flange Ø167- 2" stub pipe with safety filter, RSCH series
27	AR4000	1	D/G safety filter container sheath Ø167, RSCH series
28	AR4001	1	D/G safety filter container Ø167, RSCH series
29	AR4002	2	D/G Safety filter Fastening latch, RSCH series
30	AR4003	1	D/G Safety filter, RSCH series
31	AR4004	1	D/G RSCH suction bottom Ø167
32	AA1023	1	Accessory connector Ø70
33	AR4005	1	Flexible hose connector Ø70 cm.80
34	AR4006	1	Soundproof pipe Ø90 H=535 fil.2" D/G1/60 SCH
*35	AR3426	1	Grid pipe Ø60 H=535
36	AR3433	1	Soundproof pipe,15mm. thickness H=535
37	AR2352	1	Soundproof galvanized coupling
38	AR3284	1	Diffuser filter clamp
39	AR3276	1	Nylon diffuser filter

02 – D/G 1 - D/G 1 ELF Models, RSCH Series

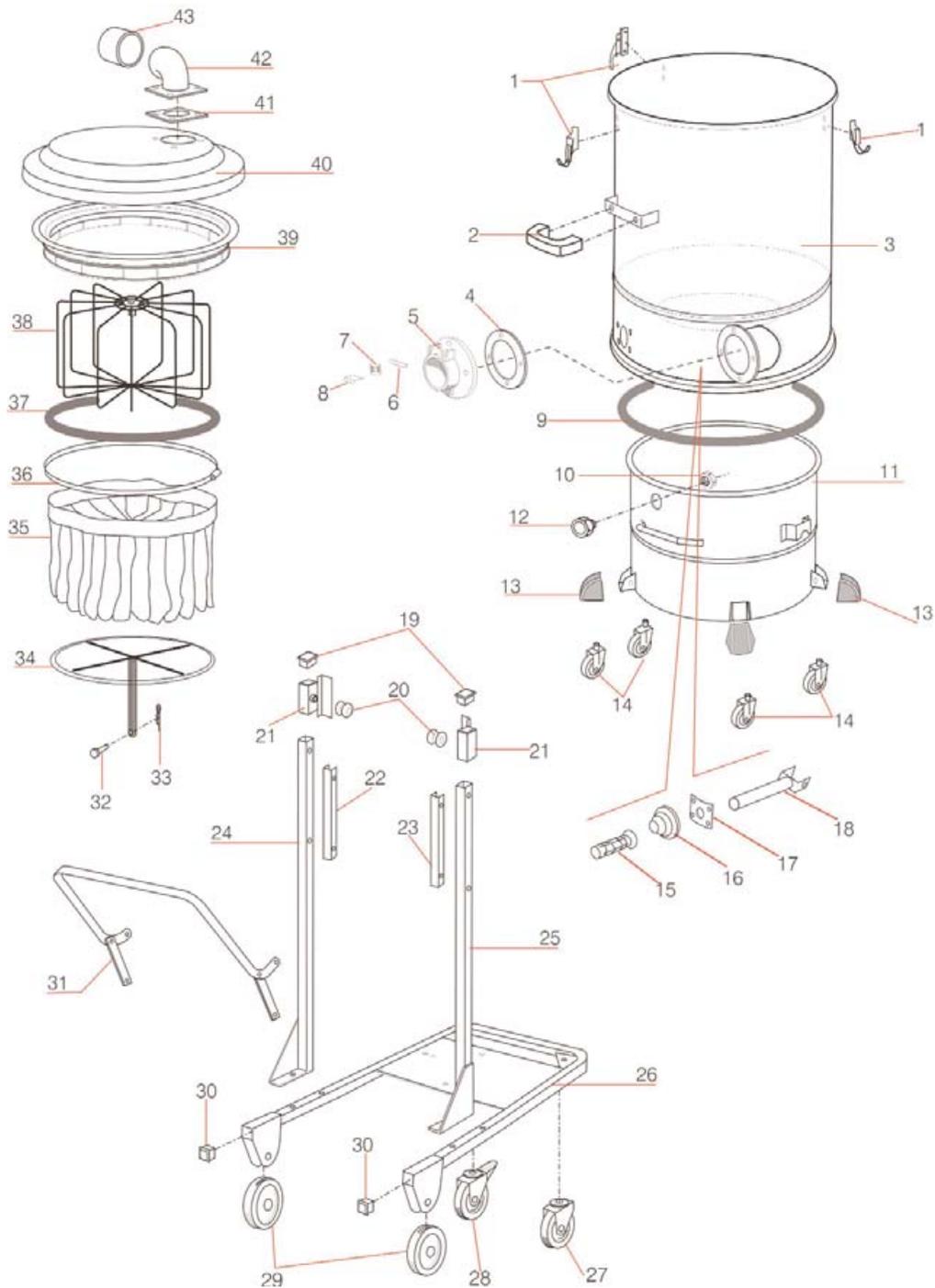




REF.	PART NUMBER	QUANTITY	DESCRIPTION
1	AR2002	3	Spring hook fasteners
2	AR2001	1	Handle L=140
3	AR3981	1	Filter chamber Ø500 H=650 TNG.FL.
4	AR2414	1	Die-cast inlet sheath Ø80
5	AR3880	1	Die-cast flat inlet
6	AR2416	1	Die-cast inlet plug
7	AR2417	1	Pawl spring
8	AR2418	1	Die-cast inlet pawl
9	AR2059	1	Collection container's sheath/chamber Ø500
10	AR3114	1	Locking ring Ø40 x 1,5 Z.B.
11	AR2078	1	Collection container Ø450 H=610
12	AR2079	1	Level indicator
13	AR3576	4	Mistral wheel cover
14	AR2062	4	Nylon pivot wheel Ø60
15	AR2008	1	Filter shake lever's knob
16	AR2066	1	Bellow
17	AR2065	1	Bellow flange
18	AR2063	1	Filter shake lever
19	AR2051	2	35x35 square cap
20	AR2363	2	Coupling lever fulcrum
21	AR2178	2	Slider D/M3
22	AR2086	1	Right chamber profile
23	AR2087	1	Left chamber profile
24	AR3982	1	D/G Right steering column, RSCH series
25	AR3983	1	D/G Left steering column, RSCH series
26	AR3984	1	D/G trolley, RSCH series
27	AR3449	1	Wheel Ø150 PU Piv. f/pass.
28	AR3450	1	Wheel Ø150 PU Piv. f/pass. with brake
29	AR2288	2	Wheel Ø150 PU
30	AR2134	2	Control board column 40x40
31	AR2084	1	Large coupling lever
32	AR2481	1	Coupling pin for filter shake casing
33	AR2480	1	3mm. zigzag spring
34	AR2457	1	Filter shake casing H=195
*35	AR3003	1	Polyester filter "G" Ø500 H=400 20T.
36	AR2018	1	Filter holding clamp Ø500
37	AR2013	1	Filter holding ring sheath Ø500
38	AR3891	1	Filter tensioning stand 20r. D/G1-2-60
39	AR2580	1	Filter holding ring Ø500 H=70
40	AR3985	1	Cover Ø525 1 port Ø80
41	AR2286	1	Curvedd hose inlet sheath Ø80
42	AR3986	1	Curvedd hose inlet plug Ø70, RSCH series
43	AA1023	1	Accessory hose connector Ø70

Filter type	Polyester "C"	Polyester "G" ant.	Polyester "C" ant.	Polyester "G" nomex	Polyester "G" teflon
Code	AR 3043	AR 3005	AR 3044	AR 3008	AR 3003/T

01 – D/G 60 Model, RSCH Series

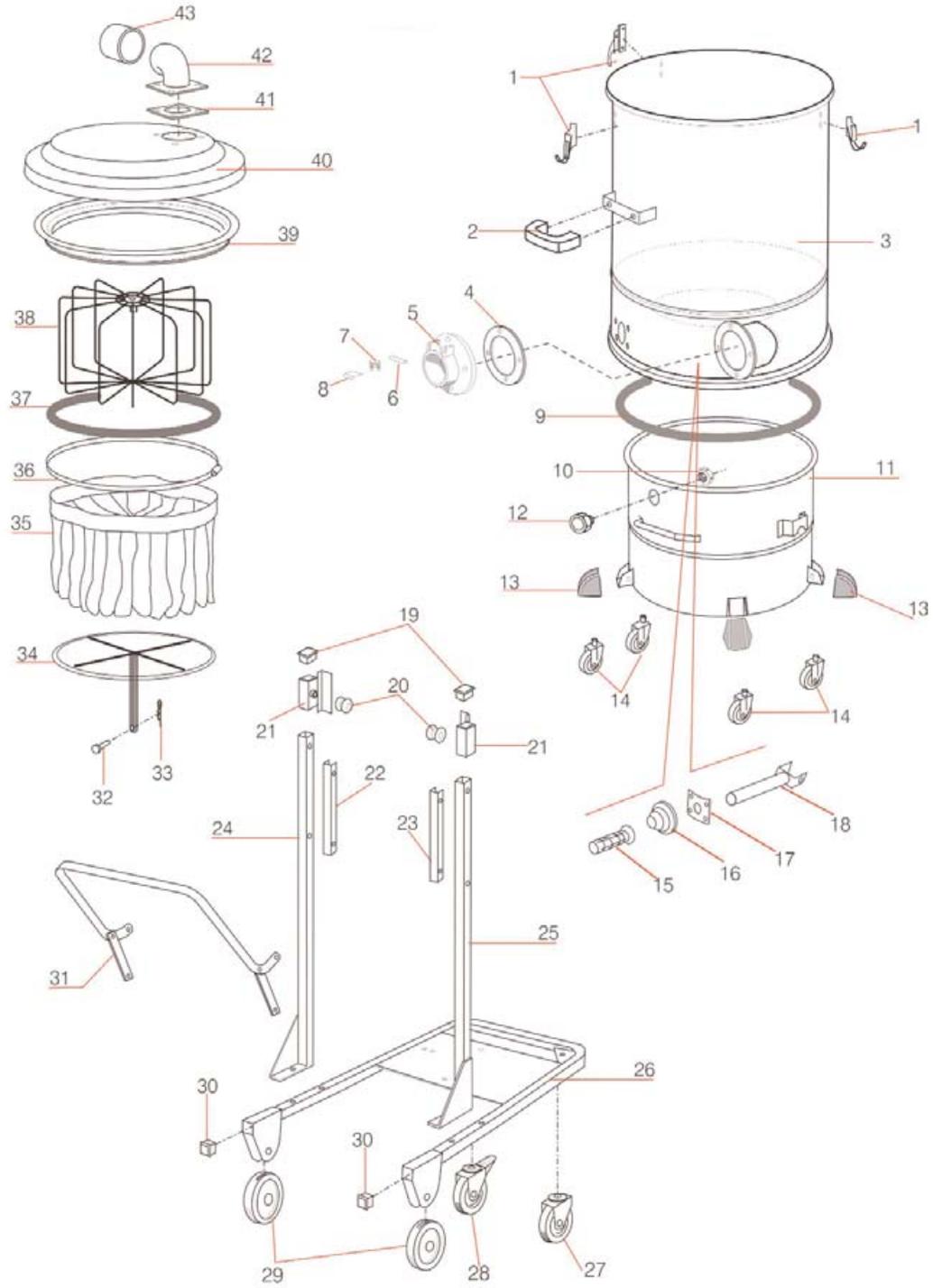




01 – D/G 60 ELF Model, RSCH Series

REF.	PART NUMBER	QUANTITY	DESCRIPTION		
1	AR2002	3	Spring hook fasteners		
2	AR2001	1	Handle L=140		
3	AR3731	1	Filter chamber Ø500 H=850 TNG.FL.		
4	AR2414	1	Die-cast inlet sheath Ø80		
5	AR3880	1	Die-cast flat inlet		
6	AR2416	1	Die-cast inlet plug		
7	AR2417	1	Pawl spring		
8	AR2418	1	Die-cast inlet pawl		
9	AR 2059	1	Collection container's sheath/chamber Ø500		
10	AR 3114	1	Locking ring Ø40 x 1,5 Z.B.		
11	AR2078	1	Collection container Ø450 H=610		
12	AR 2079	1	Level indicator		
13	AR3576	4	Mistral wheel cover		
14	AR 2062	4	Nylon pivot wheel Ø60		
15	AR2008	1	Filter shake lever's knob		
16	AR2066	1	Bellow		
17	AR2065	1	Bellow flange		
18	AR2063	1	Filter shake lever		
19	AR2051	2	35x35 square cap		
20	AR2363	2	Coupling lever fulcrum		
21	AR2178	2	Slider D/M3		
22	AR2086	1	Right chamber profile		
23	AR2087	1	Left chamber profile		
24	AR3982	1	D/G Right steering column, RSCH series		
25	AR3983	1	D/G Left steering column, RSCH series		
26	AR3984	1	D/G trolley, RSCH series		
27	AR 3449	1	Wheel Ø150 PU Piv. f/pass.		
28	AR 3450	1	Wheel Ø150 PU Piv. f/pass. with brake		
29	AR 2288	2	Wheel Ø150 PU		
30	AR2134	2	Control board column 40x40		
31	AR2084	1	Large coupling lever		
32	AR2481	1	Coupling pin for filter shake casing		
33	AR2480	1	3mm. zigzag spring		
34	AR2073	1	Filter shake casing H=235		
*35	AR2072	1	Polyester filter "G" Ø500 H=400 20T.		
36	AR2018	1	Filter holding clamp Ø500		
37	AR2013	1	Filter holding ring sheath Ø500		
38	AR2071	1	Filter tensioning stand 20r. H=230 D/G2-100		
39	AR2017	1	Filter holding ring Ø500		
40	AR3985	1	Cover Ø525 ,1 port Ø80		
41	AR2286	1	Curved hose inlet sheath Ø80		
42	AR3986	1	Curved hose inlet plug Ø70, RSCH series		
43	AA1023	1	Accessory hose connector Ø70		
Filter type	Polyester "C"	Polyester "G" ant.	Polyester "C" ant.	Polyester "G" nomex	Polyester "G" teflon
Code	AR 3060	AR 3006	AR 3074	AR 3009	AR 2072/T

01 – D/G 60 ELF Model, RSCH Series

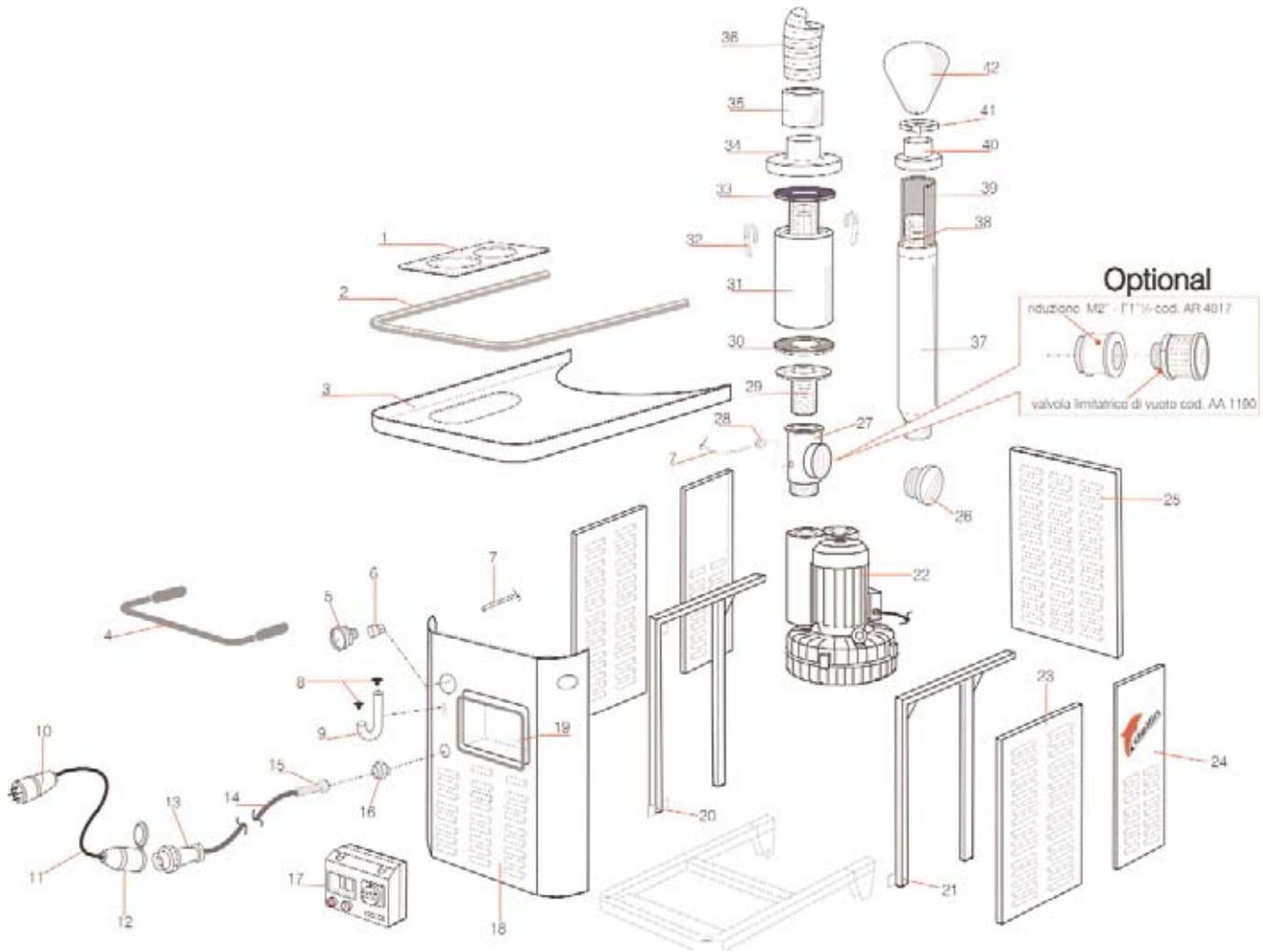




02 – D/G 60 – D/G 60 ELF Models, RSCH Series

REF.	PART NUMBER	QUANTITY	DESCRIPTION
1	AR3987	1	D/G1-60 centring plate ,RSCH series
2	AR3988	1	D/G upper cover's outline profile, RSCH series
3	AR3989	1	D/G upper cover, RSCH series
4	AR3990	1	D/G handle , RSCH series
5	AR3140	1	Vacuum gauge Ø63 0–6000 mm.H2O
6	AR3367	1	Quick release connector
7	AR3368	1	RISLAN Pipe Ø6 L=120 cm.
8	AR3115	2	Cord hanging hook cover
9	AR3452	1	2 ports cord hanging hook with
10	AR3128	1	32 A , 4-pole mobile plug
11	AR3370	cm.30	Supply cable (cord) H07RNF 4G2,5
12	AR3127	1	32 A plug, 5-pole mobile plug
13	AR2189	1	32 A plug, 5-pole phase change plug
14	AR3370	Mt.10	Supply cable (cord) H07RNF 4G2,5
15	AR3998	1	PG 16 cord pickup
16	AR3999	1	PG 21 - 16 D/G2-60 Reduction
17	AR2204	1	LC1 V400 KW 4-5,5 Cassette
18	AR3993	1	D/G1-2-60 rear cover, RSCH series
19	AR3994	1	D/G1-2-60 outline profile, RSCH series
20	AR2220	1	D/G right side panel frame, RSCH series
21	AR2221	1	D/G left side panel frame, RSCH series
22	AR3971	1	G.A. RSCH KW3 V230/400/50 IP55
23	AR3154	2	D/G side cover, RSCH series
24	AR3995	2	D/G steering column side cover, RSCH
25	AR3996	1	D/G front cover, RSCH series
26	AR3886	1	2" threaded valve cap
27	AR3997	1	T" connector
28	AR3342	1	"L" inlet connector
29	AR4016	1	Flange Ø167- 2" stub pipe with safety filter, RSCH series
30	AR4000	1	D/G safety filter container sheath Ø167, RSCH series
31	AR4001	1	D/G safety filter container Ø167, RSCH series
32	AR4002	2	D/G Safety filter Fastening latch, RSCH series
33	AR4003	1	D/G Safety filter, RSCH series
34	AR4004	1	D/G RSCH suction bottom Ø167
35	AA1023	1	Accessory connector Ø70
36	AR4005	cm.80	Flexible hose connector Ø70 cm.
37	AR4006	1	Soundproof pipe Ø90 H=535 fil.2" D/G1/60 RSCH series
38	AR3426	1	Grid pipe Ø60 H=535
39	AR3433	1	Soundproof pipe, 15mm. thickness H=535
40	AR2352	1	Soundproof galvanized coupling
41	AR3284	1	Diffuser filter clamp
42	AR3276	1	Nylon diffuser filter

02 – D/G 60 – D/G 60 ELF Models, RSCH Series

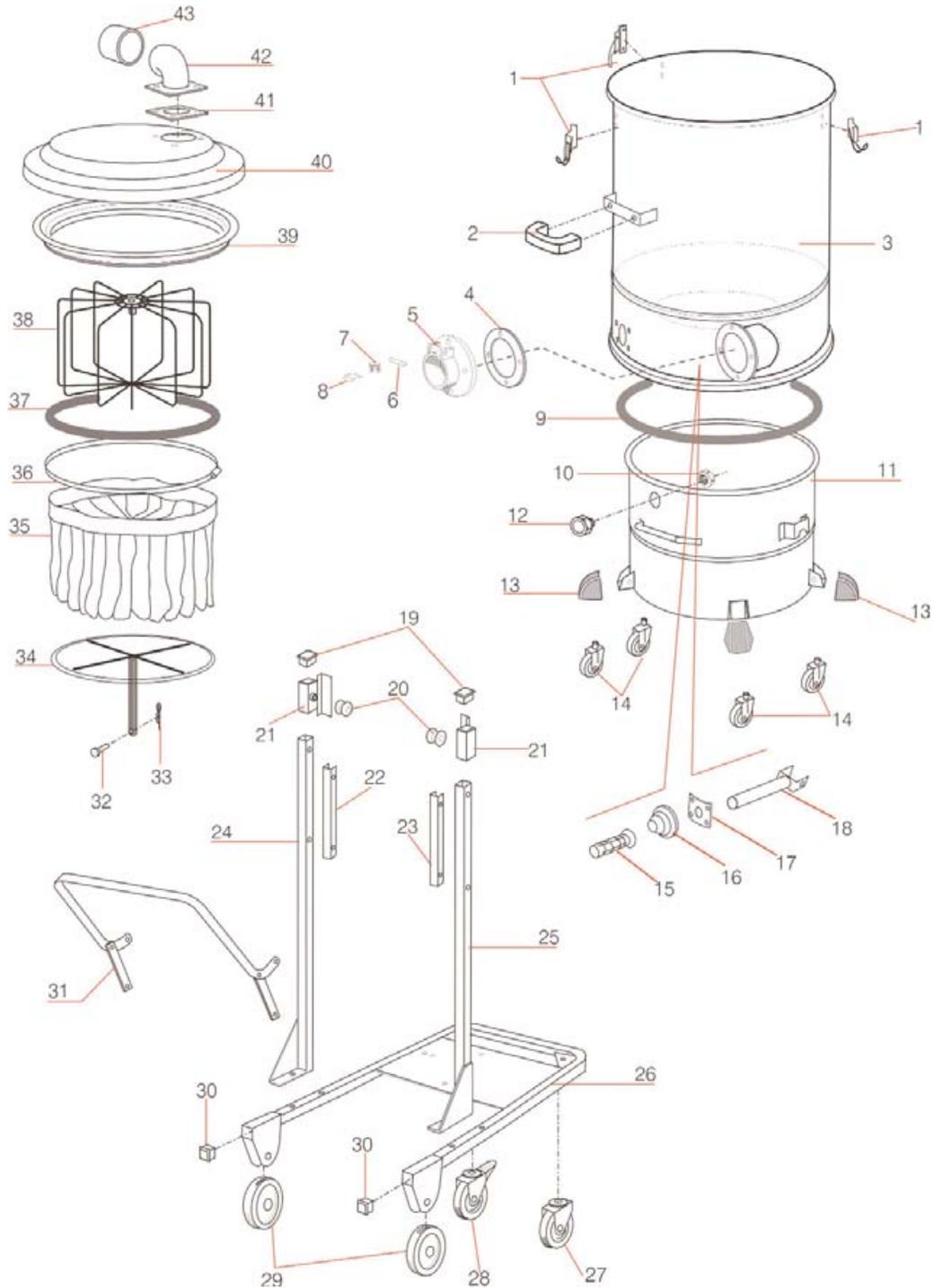




REF	PART NUMBER	QUANTITY	DESCRIPTION
1	AR2002	3	Spring hook fasteners
2	AR2001	1	Handle L=140
3	AR3731	1	Filter chamber Ø500 H=850 TNG.FL.
4	AR2414	1	Die-cast inlet sheath Ø80
5	AR3880	1	Die-cast flat inlet
6	AR2416	1	Die-cast inlet plug
7	AR2417	1	Pawl spring
8	AR2418	1	Die-cast inlet pawl
9	AR2059	1	Collection container's sheath/chamber Ø500
10	AR3114	1	Locking ring Ø40 x 1,5 Z.B.
11	AR2078	1	Collection container Ø450 H=610
12	AR2079	1	Level indicator
13	AR3576	4	Mistral wheel cover
14	AR2062	4	Nylon pivot wheel Ø60
15	AR2008	1	Filter shake lever's knob
16	AR2066	1	Bellow
17	AR2065	1	Bellow flange
18	AR2063	1	Filter shake lever
19	AR2051	2	35x35 square cap
20	AR2363	2	Coupling lever fulcrum
21	AR2178	2	Slider D/M3
22	AR2086	1	Right chamber profile
23	AR2087	1	Left chamber profile
24	AR3982	1	D/G Right steering column, RSCH series
25	AR3983	1	D/G Left steering column, RSCH series
26	AR3984	1	D/G trolley, RSCH series
27	AR3449	1	Wheel Ø150 PU Piv. f/pass.
28	AR 3450	1	Wheel Ø150 PU Piv. f/pass. with brake
29	AR2288	2	Wheel Ø150 PU
30	AR2134	2	Control board column 40x40
31	AR2084	1	Large coupling lever
32	AR2481	1	Coupling pin for filter shake casing
33	AR2480	1	3mm. zigzag spring
34	AR2073	1	Filter shake casing H=235
*35	AR2072	1	Polyester filter "G" Ø500 H=400 20T.
36	AR2018	1	Filter holding clamp Ø500
37	AR2013	1	Filter holding ring sheath Ø500
38	AR2071	1	Filter tensioning stand 20r. H=230 D/G2-100
39	AR2017	1	Filter holding ring Ø500
40	AR3985	1	Cover Ø525 ,1 port Ø80
41	AR2286	1	Curved hose inlet sheath Ø80
42	AR3986	1	Curved hose inlet plug Ø70, RSCH series
43	AA1023	1	Accessory hose connector Ø70

Filter type	Polyester "C"	Polyester "G" ant.	Polyester "C" ant.	Polyester "G" nomex	Polyester "G" teflon
Code	AR 3060	AR 3006	AR 3074	AR 3009	AR 2072/T

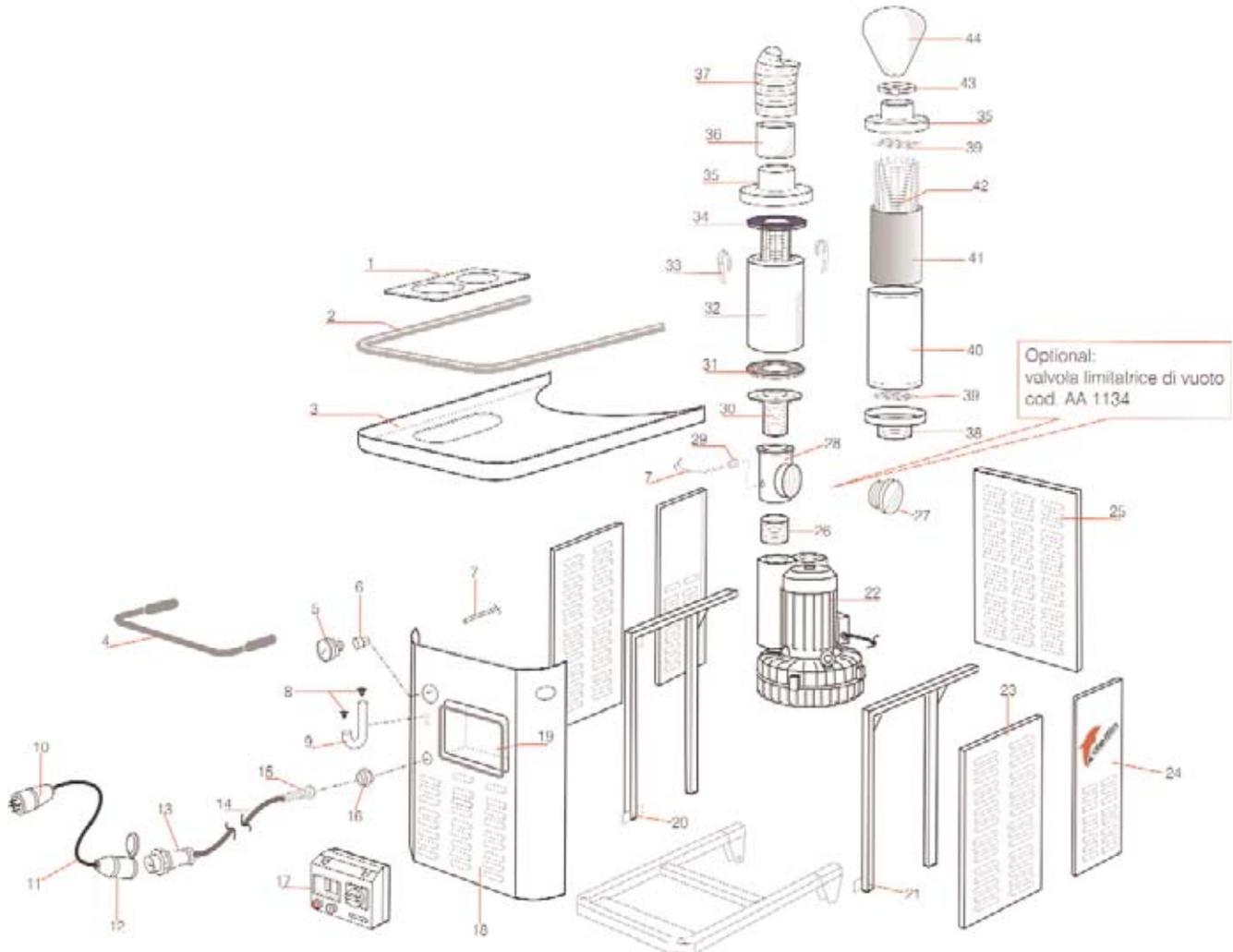
01 – D/G 2 Model, RSCH Series





REF.	PART NUMBER	QUANTITY	DESCRIPTION
1	AR4012	1	D/G 2 centring plate ,RSCH series
2	AR3988	1	D/G upper cover's outline profile, RSCH series
3	AR3989	1	D/G upper cover, RSCH series
4	AR3990	1	D/G handle , RSCH series
5	AR3140	1	Vacuum gauge Ø63 0–6000 mm.H2O
6	AR3367	1	Quick release connector
7	AR3368	1	RISLAN Pipe Ø6 L=120 cm.
8	AR3115	2	Cord hanging hook cover
9	AR3452	1	2 ports cord hanging hook with
10	AR3128	1	32 A , 4-pole mobile plug
11	AR3370	cm.30	Supply cable (cord) H07RNF 4G2,5
12	AR3127	1	32 A plug, 5-pole mobile plug
13	AR2189	1	32 A plug, 5-pole phase change plug
14	AR3370	Mt.10	Supply cable (cord) H07RNF 4G2,5
15	AR3998	1	PG 16 cord pickup
16	AR3999	1	PG 21 - 16 D/G2-60 Reduction
17	AR2204	1	LC1 V400 KW 4-5,5 Cassette
18	AR3993	1	D/G1-2-60 rear cover, RSCH series
19	AR3994	1	D/G1-2-60 outline profile, RSCH series
20	AR2220	1	D/G right side panel frame, RSCH series
21	AR2221	1	D/G left side panel frame, RSCH series
22	AR3972	1	G.A. RSCH KW3 V230/400/50 IP55
23	AR3154	2	D/G side cover, RSCH series
24	AR3995	2	D/G steering column side cover, RSCH
25	AR3996	1	D/G front cover, RSCH series
26	AR4021	1	3" thread
27	AR4022	1	3" threaded cap
28	AR4023	1	"T" connector
29	AR3342	1	"L" inlet connector
30	AR4015	1	Flange Ø167- 2" stub pipe with safety filter, RSCH series
31	AR4000	1	D/G safety filter container sheath Ø167, RSCH series
32	AR4001	1	D/G safety filter container Ø167, RSCH series
33	AR4002	2	D/G Safety filter Fastening latch, RSCH series
34	AR4003	1	D/G Safety filter, RSCH series
35	AR4004	2	D/G RSCH suction bottom Ø167
36	AA1023	1	Accessory connector Ø70
37	AR4005	cm. 80	Flexible hose connector Ø70 cm.
38	AR4024	1	3" bottom - Ø167
39	AR3343	2	Flange grid Ø168
40	AR4025	1	Soundproof pipe Ø168 H=500 D/G, RSCH series
41	AR4026	1	15mm thickness soundproof pipe, H=500
42	AR4027	1	Pipe grid Ø110 H=500
43	AR3284	1	Diffuser filter clamp
44	AR3276	1	Diffuser nylon filter

02 – D/G 2 Model, RSCH Series



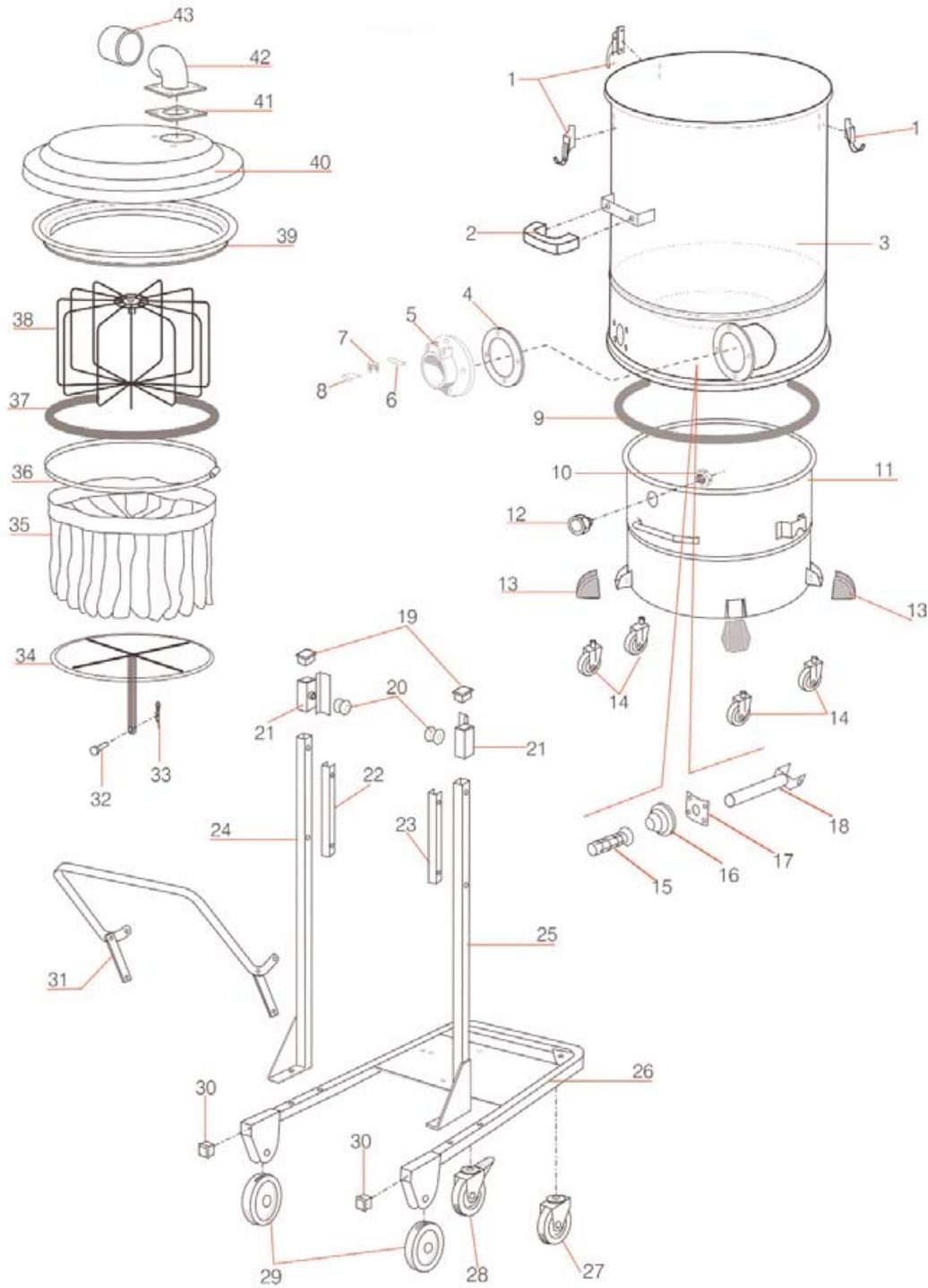


01 – D/G 100 Model, RSCH Series

REF.	PART NUMBER	QUANTITY	DESCRIPTION
1	AR2002	3	Spring hook fasteners
2	AR2001	1	Handle L=140
3	AR3731	1	Filter chamber Ø500 H=850 TNG.FL.
4	AR2414	1	Die-cast inlet sheath Ø80
5	AR3880	1	Die-cast flat inlet
6	AR2416	1	Die-cast inlet plug
7	AR2417	1	Pawl spring
8	AR2418	1	Die-cast inlet pawl
9	AR 2059	1	Collection container's sheath/chamber Ø500
10	AR 3114	1	Locking ring Ø40 x 1,5 Z.B.
11	AR2078	1	Collection container Ø450 H=610
12	AR2079	1	Level indicator
13	AR3576	4	Mistral wheel cover
14	AR2062	4	Nylon pivot wheel Ø60
15	AR2008	1	Filter shake lever's knob
16	AR2066	1	Bellow
17	AR2065	1	Bellow flange
18	AR2063	1	Filter shake lever
19	AR2051	2	35x35 square cap
20	AR2363	2	Coupling lever fulcrum
21	AR2178	2	Slider D/M3
22	AR2086	1	Right chamber profile
23	AR2087	1	Left chamber profile
24	AR3982	1	D/G Right steering column, RSCH series
25	AR3983	1	D/G Left steering column, RSCH series
26	AR3984	1	D/G trolley, RSCH series
27	AR 3449	1	Wheel Ø150 PU Piv. f/pass.
28	AR 3450	1	Wheel Ø150 PU Piv. f/pass. with brake
29	AR 2288	2	Wheel Ø150 PU
30	AR2134	2	Control board column 40x40
31	AR2084	1	Large coupling lever
32	AR2481	1	Coupling pin for filter shake casing
33	AR2480	1	3mm. zigzag spring
34	AR2073	1	Filter shake casing H=235
*35	AR2072	1	Polyester filter "G" Ø500 H=400 20T.
36	AR2018	1	Filter holding clamp Ø500
37	AR2013	1	Filter holding ring sheath Ø500
38	AR2071	1	Filter tensioning stand 20r. H=230 D/G2-100
39	AR2017	1	Filter holding ring Ø500
40	AR3985	1	Cover Ø525 ,1 port Ø80
41	AR2286	1	Curved hose inlet sheath Ø80
42	AR3986	1	Curved hose inlet plug Ø70, RSCH series
43	AA1023	1	Accessory hose connector Ø70

Filter type	Polyester "C"	Polyester "G" ant.	Polyester "C" ant.	Polyester "G" nomex	Polyester "G" teflon
Code	AR 3060	AR 3006	AR 3074	AR 3009	AR 2072/T

01 – D/G 100 Model, RSCH Series



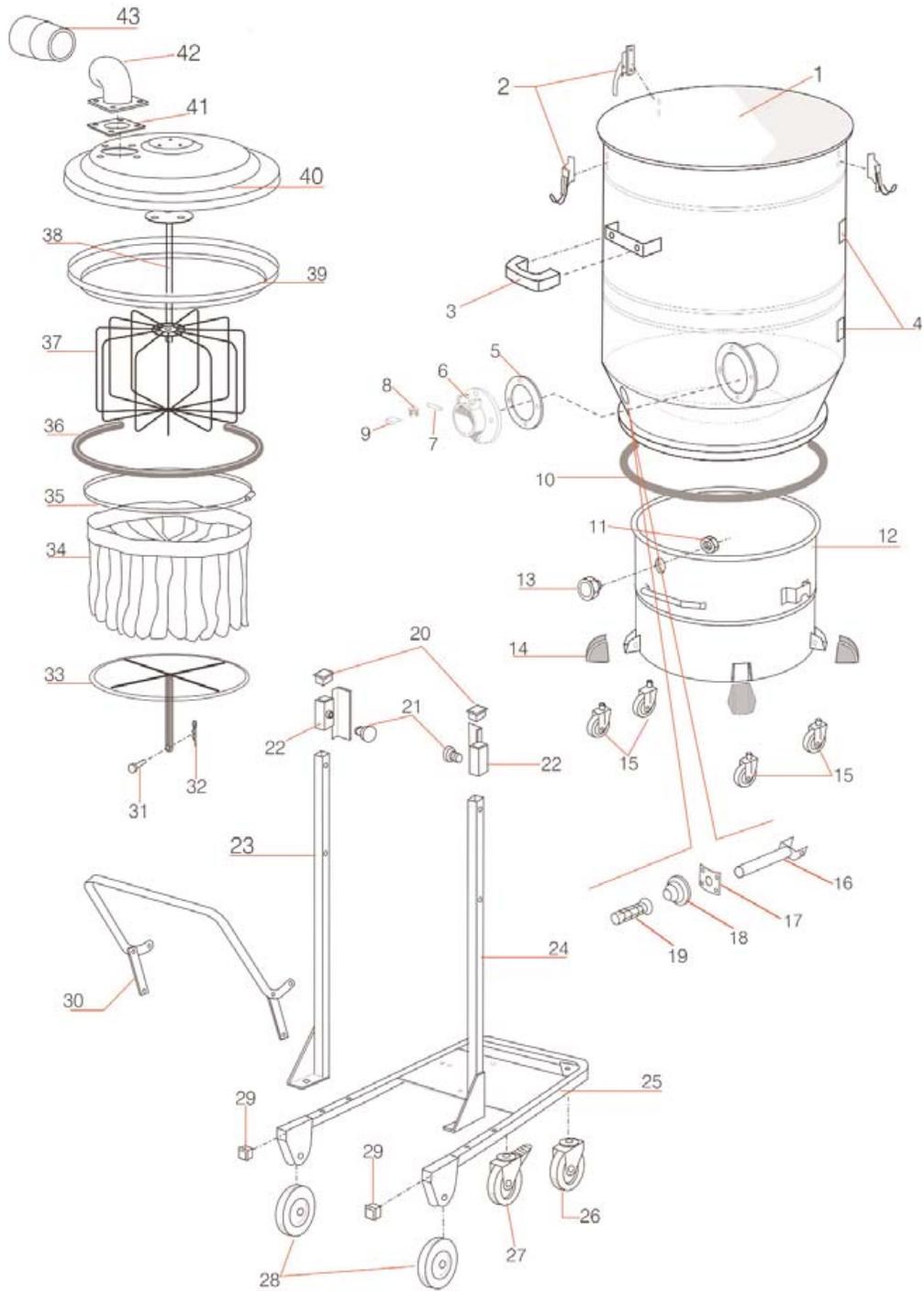


01 – D/G 100 ELF Model, RSCH Series

REF.	PART NUMBER	QUANTITY	DESCRIPTION
1	AR4020	1	Filtering chamber Ø560 H=1000 TNG FL.
2	AR2002	3	Spring hook fasteners
3	AR2001	1	Handle L=140
4	AR3882	4	ELF chamber fastening straps
5	AR2414	1	Die-cast flat inlet sheath Ø80
6	AR3880	1	Die-cast flat inlet
7	AR2416	1	Die-cast inlet plug
8	AR2417	1	Pawl spring
9	AR2418	1	Die-cast inlet pawl
10	AR2059	1	Collection container's sheath/chamber Ø500
11	AR3114	1	Locking ring Ø40 x 1,5 Z.B.
12	AR2078	1	Collection container Ø450 H=610
13	AR2079	1	Level indicator
14	AR3576	4	Mistral wheel cover
15	AR2062	4	Nylon pivot wheel Ø60
16	AR3137	1	Zefiro filter shake lever
17	AR2065	1	Filter shake flange
18	AR2066	1	Bellow
19	AR2008	1	Filter shake lever's knob
20	AR2051	2	35x35 square cap
21	AR2363	2	Coupling lever fulcrum
22	AR3846	2	Slider D/G100-150 ELF
23	AR4018	1	D/G ELF Right steering column, RSCH series
24	AR4019	1	D/G ELF Left steering column, RSCH series
25	AR3984	1	D/G trolley, RSCH series
26	AR 3449	1	Wheel Ø150 PU Piv. f/pass.
27	AR 3450	1	Wheel Ø150 PU Piv. f/pass. with brake
28	AR 2288	2	Wheel Ø150 PU
29	AR3833	2	50x25 terminal, Tecnoil 150
30	AR2084	1	Large coupling lever
31	AR2481	1	Coupling pin for filter shake casing
32	AR2480	1	3mm. zigzag spring
33	AR2073	1	Filter shake casing H=235
*34	AR3753	1	Polyester G filter Ø560 H=750 20T.
35	AR2588	1	Filter fastening clamp Ø560
36	AR2582	1	Filter holding ring sheath Ø560
37	AR3892	1	Filter tensioning casing 20R. D/G150 elf
38	AR2404	1	Guide casing D/G100/150
39	AR3361	1	Filter holding ring Ø560
40	AR3400	1	Cover Ø560 TS1800
41	AR2286	1	Curved hose inlet sheath Ø80
42	AR3986	1	Curved hose inlet plug Ø70, RSCH series
43	AA1023	1	Accessory hose connector Ø70

Filter type	Polyester "C"	Polyester "G" ant.	Polyester "C" ant.	Polyester "G" nomex	Polyester "G" teflon
Code	AR 3754	AR 3755	AR 3501	AR 4028	AR 3550

01 – D/G 100 ELF Model, RSCH Series

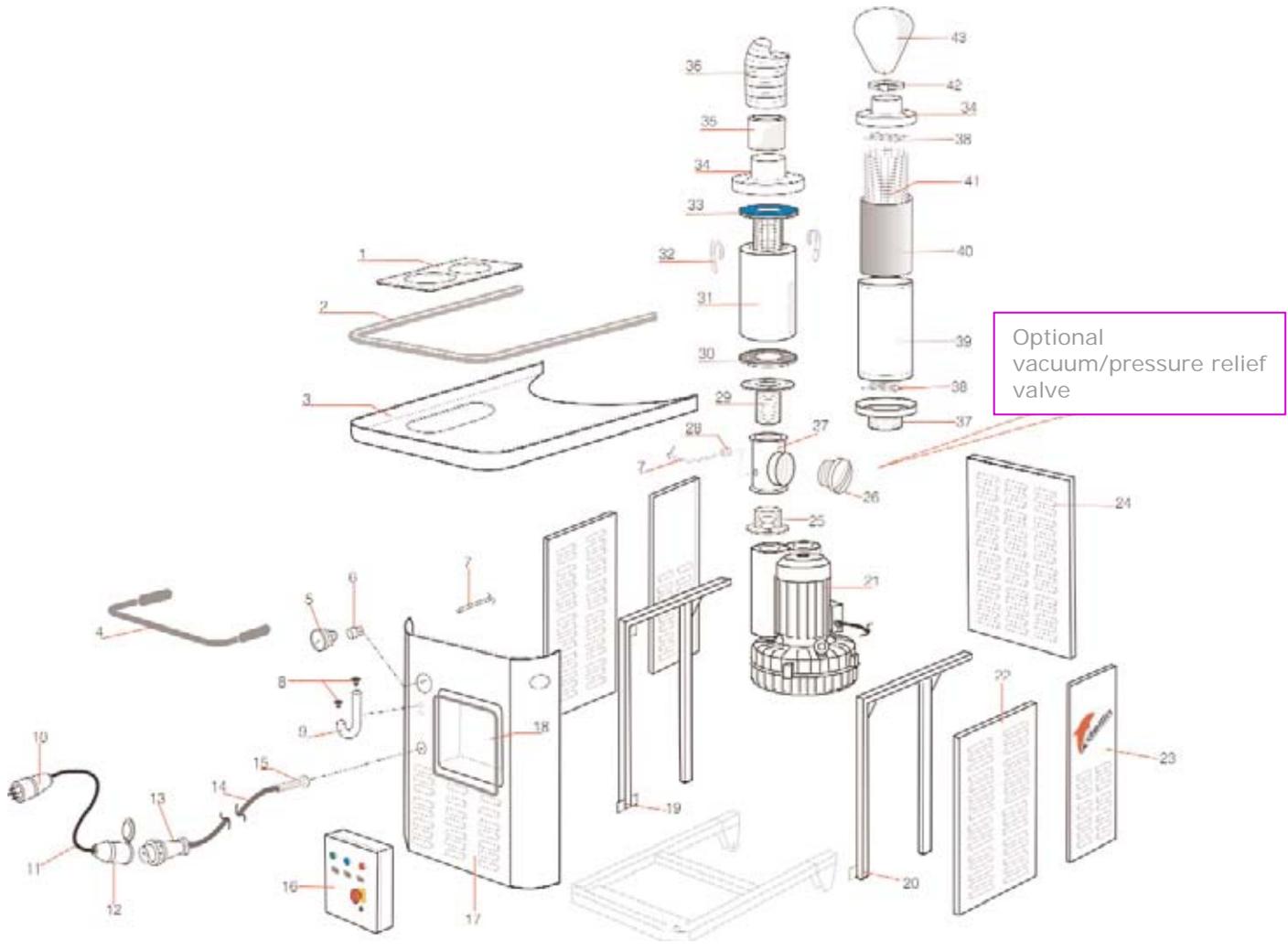




02 – D/G 100 Model, RSCH Series

REF.	PART NUMBER	QUANTITY	DESCRIPTION
1	AR4007	1	D/G100 centring plate, RSCH series
2	AR3988	1	D/G upper cover's outline profile, RSCH series
3	AR3989	1	D/G upper cover, RSCH series
4	AR3990	1	D/G handle , RSCH series
5	AR3140	1	Vacuum gauge Ø63 0-6000 mm.H2O
6	AR3367	1	Quick release connector
7	AR3368	1	RISLAN Pipe Ø6 L=120 cm.
8	AR3115	2	Cord hanging hook cover
9	AR3452	1	2 ports cord hanging hook with
10	AR3128	1	32 A , 4-pole mobile plug
11	AR3883	cm.30	Supply cable (cord) H07RNF 4G4
12	AR 3127	1	32A 5-pole mobile plug
13	AR 2189	1	32A 5-pole phase change plug
14	AR3883	Mt.10	Supply cable (cord) H07RNF 4G4
15	AR3235	1	Cord pick-up PG 21
16	AR4008	1	Control board D/G100, RSCH series
17	AR4009	1	Rear cover D/G100, RSCH series
18	AR4010	1	D/G1-2-60 outline profile, RSCH series
19	AR2220	1	D/G right side panel frame, RSCH series
20	AR2221	1	D/G left side panel frame, RSCH series
21	AR3951	1	G.A. RSCH KW3 V230/400/50 IP55
22	AR3154	2	D/G side cover, RSCH series
23	AR3995	2	D/G steering column side cover, RSCH
24	AR3996	1	D/G front cover, RSCH series
25	AR4014	1	Flange Ø150-3" , D/G100Turb. clutch, RSCH series
26	AR4022	1	3" threaded cap
27	AR4023	1	"T" connector
28	AR3342	1	"L" inlet connector
29	AR4015	1	Flange Ø167- 2" stub pipe with safety filter, RSCH series
30	AR4000	1	D/G safety filter container sheath Ø167, RSCH series
31	AR4001	1	D/G safety filter container Ø167, RSCH series
32	AR4002	2	D/G Safety filter Fastening latch, RSCH series
33	AR4003	1	D/G Safety filter, RSCH series
34	AR4004	2	D/G RSCH suction bottom Ø167
35	AA1023	1	Accessory connector Ø70
36	AR4005	cm.80	Flexible hose connector Ø70 cm.
37	AR4011	1	3" bottom - Ø167
38	AR3343	2	Flange grid Ø168
39	AR4025	1	Soundproof pipe Ø168 H=500 D/G, RSCH series
40	AR4026	1	15mm thickness soundproof pipe, H=500
41	AR4027	1	Pipe grid Ø110 H=500
42	AR3284	1	Diffuser filter clamp
43	AR3276	1	Diffuser nylon filter

02 – D/G 100 Model, RSCH Series

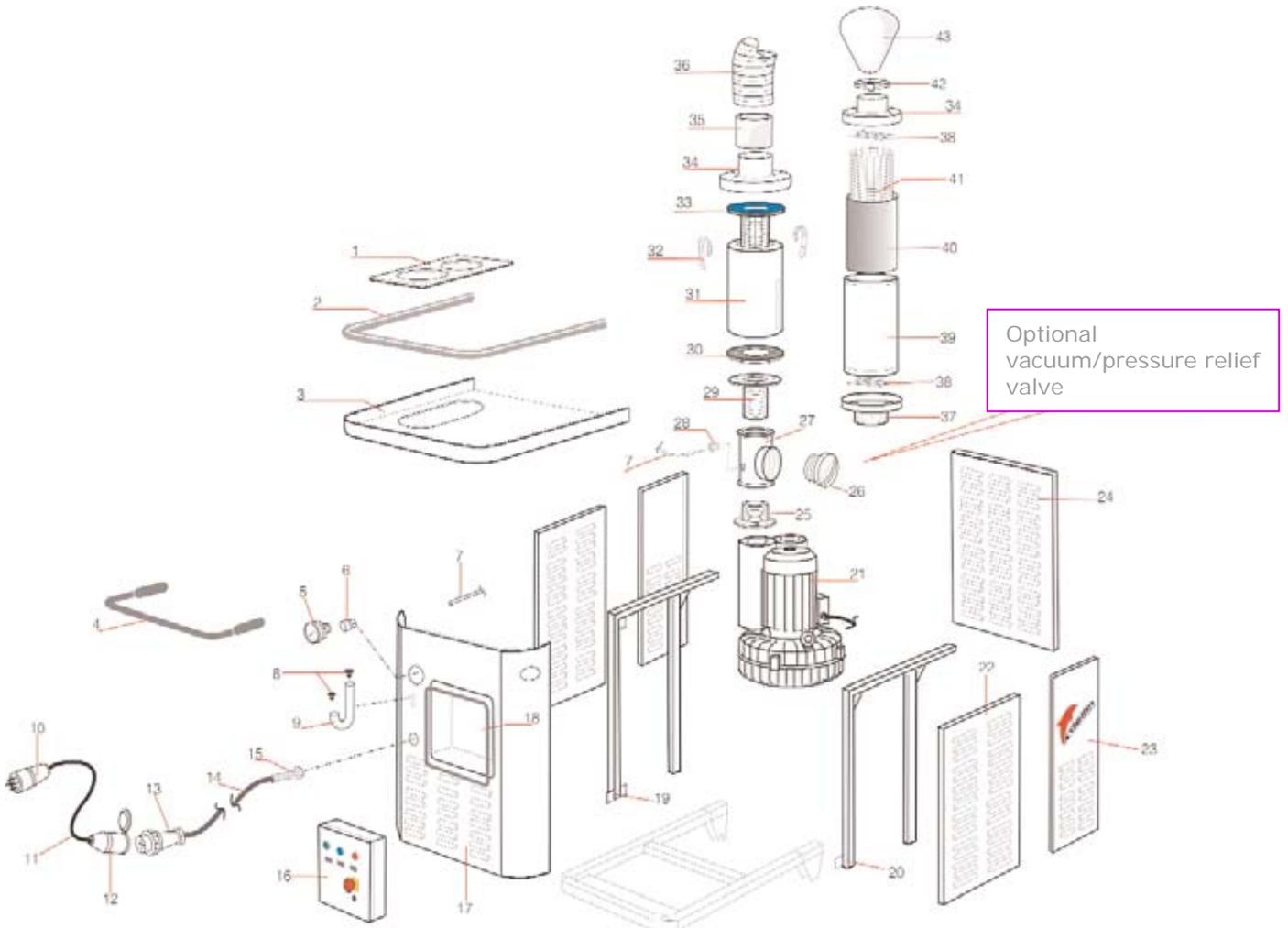




02 – D/G 100 Model, RSCH Series

REF.	PART NUMBER	QUANTITY	DESCRIPTION
1	AR4007	1	D/G100 centring plate, RSCH series
2	AR3988	1	D/G upper cover's outline profile, RSCH series
3	AR4053	1	D/G upper cover, RSCH series
4	AR3990	1	D/G handle , RSCH series
5	AR3140	1	Vacuum gauge Ø63 0–6000 mm.H2O
6	AR3367	1	Quick release connector
7	AR3368	1	RISLAN Pipe Ø6 L=120 cm.
8	AR3115	2	Cord hanging hook cover
9	AR3452	1	2 ports cord hanging hook with
10	AR3128	1	32 A , 4-pole mobile plug
11	AR3883	cm.30	Supply cable (cord) H07RNF 4G4
12	AR3127	1	32A 5-pole mobile plug
13	AR2189	1	32A 5-pole phase change plug
14	AR3883	Mt.10	Supply cable (cord) H07RNF 4G4
15	AR3235	1	Cord pick-up PG 21
16	AR4008	1	Control board D/G100, RSCH series
17	AR4009	1	Rear cover D/G100, RSCH series
18	AR4010	1	D/G1-2-60 outline profile, RSCH series
19	AR2220	1	D/G right side panel frame, RSCH series
20	AR2221	1	D/G left side panel frame, RSCH series
21	AR3951	1	G.A. RSCH KW3 V230/400/50 IP55
22	AR3154	2	D/G side cover, RSCH series
23	AR3995	2	D/G steering column side cover, RSCH
24	AR3996	1	D/G front cover, RSCH series
25	AR4014	1	Flange Ø150-3" , D/G100Turb. clutch, RSCH series
26	AR4022	1	3" threaded cap
27	AR4023	1	"T" connector
28	AR3342	1	"L" inlet connector
29	AR4015	1	Flange Ø167- 2" stub pipe with safety filter, RSCH series
30	AR4000	1	D/G safety filter container sheath Ø167, RSCH series
31	AR4001	1	D/G safety filter container Ø167, RSCH series
32	AR4002	2	D/G Safety filter Fastening latch, RSCH series
33	AR4003	1	D/G Safety filter, RSCH series
34	AR4004	2	D/G RSCH suction bottom Ø167
35	AA1023	1	Accessory connector Ø70
36	AR4005	cm. 80	Flexible hose connector Ø70 cm.
37	AR4011	1	3" bottom - Ø167
38	AR3343	2	Flange grid Ø168
39	AR4025	1	Soundproof pipe Ø168 H=500 D/G, RSCH series
40	AR4026	1	15mm thickness soundproof pipe, H=500
41	AR4027	1	Pipe grid Ø110 H=500
42	AR3284	1	Diffuser filter clamp
43	AR3276	1	Diffuser nylon filter

02 – D/G 100 Model, RSCH Series



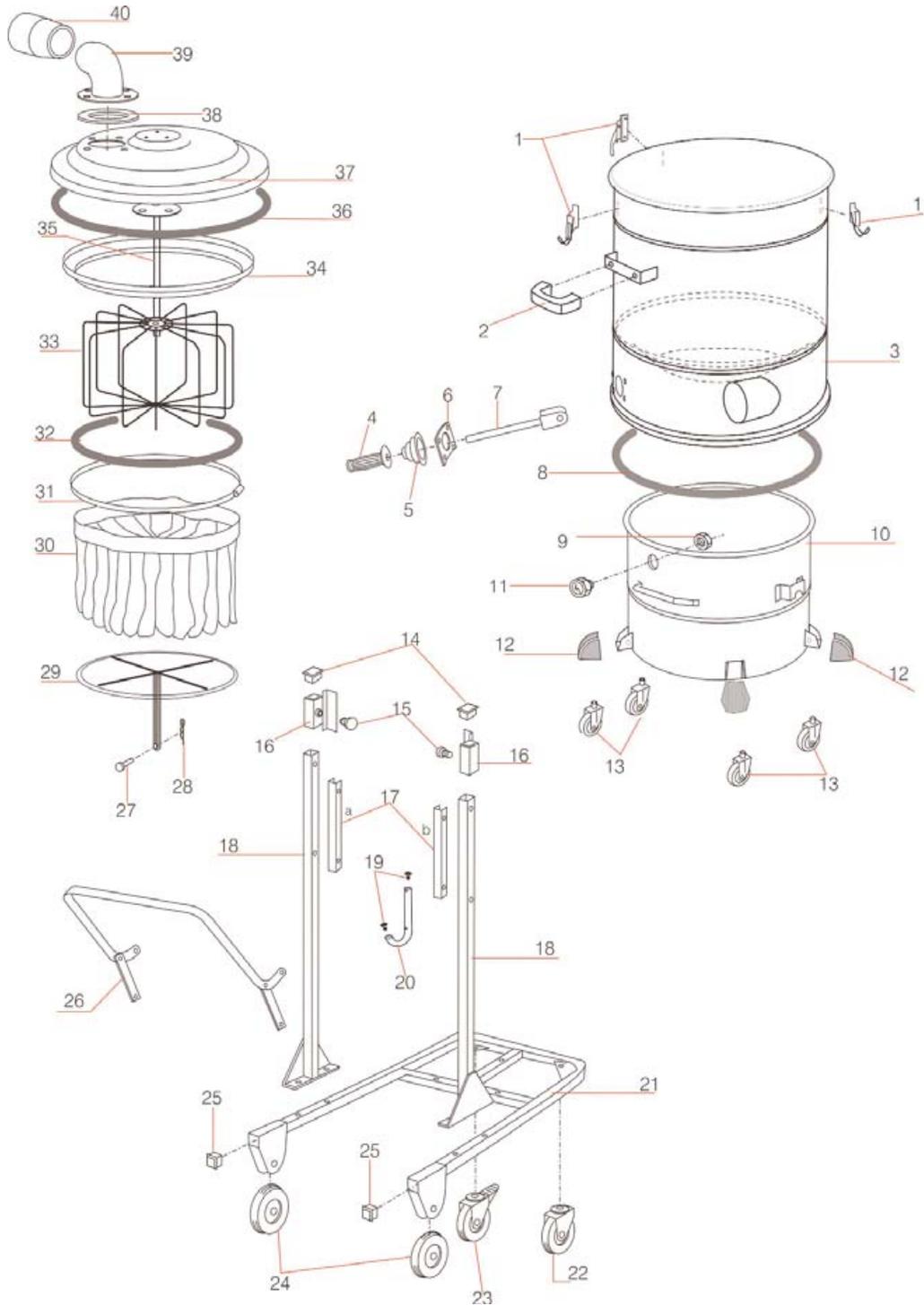


01 – D/G 150 Model, RSCH Series

REF.	PART NUMBER	QUANTITY	DESCRIPTION
1	AR2002	3	Spring hook fasteners
2	AR2001	1	Handle L=140
3	AR2075	1	Filter chamber Ø500 H=850
4	AR2008	1	Filter shake lever's knob
5	AR2066	1	Bellow
6	AR2065	1	Filter shake flange
7	AR2063	1	Filter shake lever
8	AR 2059	1	Container chamber sheath
9	AR 3114	1	Ring Ø 40 x 1,5
10	AR2078	1	100 lt. collection container
11	AR 2079	1	Level indicator
12	AR3576	4	Mtl wheel cover
13	AR 2403	4	Pivot wheel Ø80 ELA
14	AR2051	2	35x35 square cap
15	AR2363	2	Sliding pawl - fulcrum
16	AR2178	2	Slider
17a	AR2086	1	Right chamber profile
17b	AR2087	1	Left chamber profile
18	AR2088	2	Steering columns
19	AR3115	2	Cable hanger's cap
20	AR2085	1	Cable hanging hook
21	AR2604	1	D/G150 trolley
22	AR 3449	1	Pu. Pivot wheel Ø150
23	AR 3450	1	Pu. Pivot wheel Ø150 with brake
24	AR 2288	2	Pu. wheel Ø150
25	AR2134	2	40x40 square cap
26	AR2084	1	Large coupling lever
27	AR2481	1	Filter shake casing coupling pin
28	AR2480	1	3mm. zigzag spring
29	AR2073	1	Filter shake casing H=235
*30	AR2072	1	20 plies filter Ø500 H=600
31	AR2018	1	Filter fastening clamp Ø500
32	AR2013	1	Filter holding ring sheath Ø500
33	AR2071	1	Filter tensioning casing 20r. D/G100-150
34	AR2017	1	Filter holding ring Ø500
35	AR2404	1	Guide casing D/G100-150
36	AR2070	1	Cover sheath Ø500
37	AR2287	1	D/G150 cover with ports for guide casing
38	AR2286	1	Inlet plug sheath Ø80
39	AR2285	1	Curved inlet plug Ø80
40	AA1080	1	Inlet plug coupling Ø80

Filter type	Polyester "C"	Polyester "G" ant.	Polyester "C" ant.	Polyester "G" nomex	Polyester "G" teflon
Code	AR 3060	AR 3006	AR 3074	AR 3009	AR 2072/T

01 – D/G 150 Model, RSCH Series

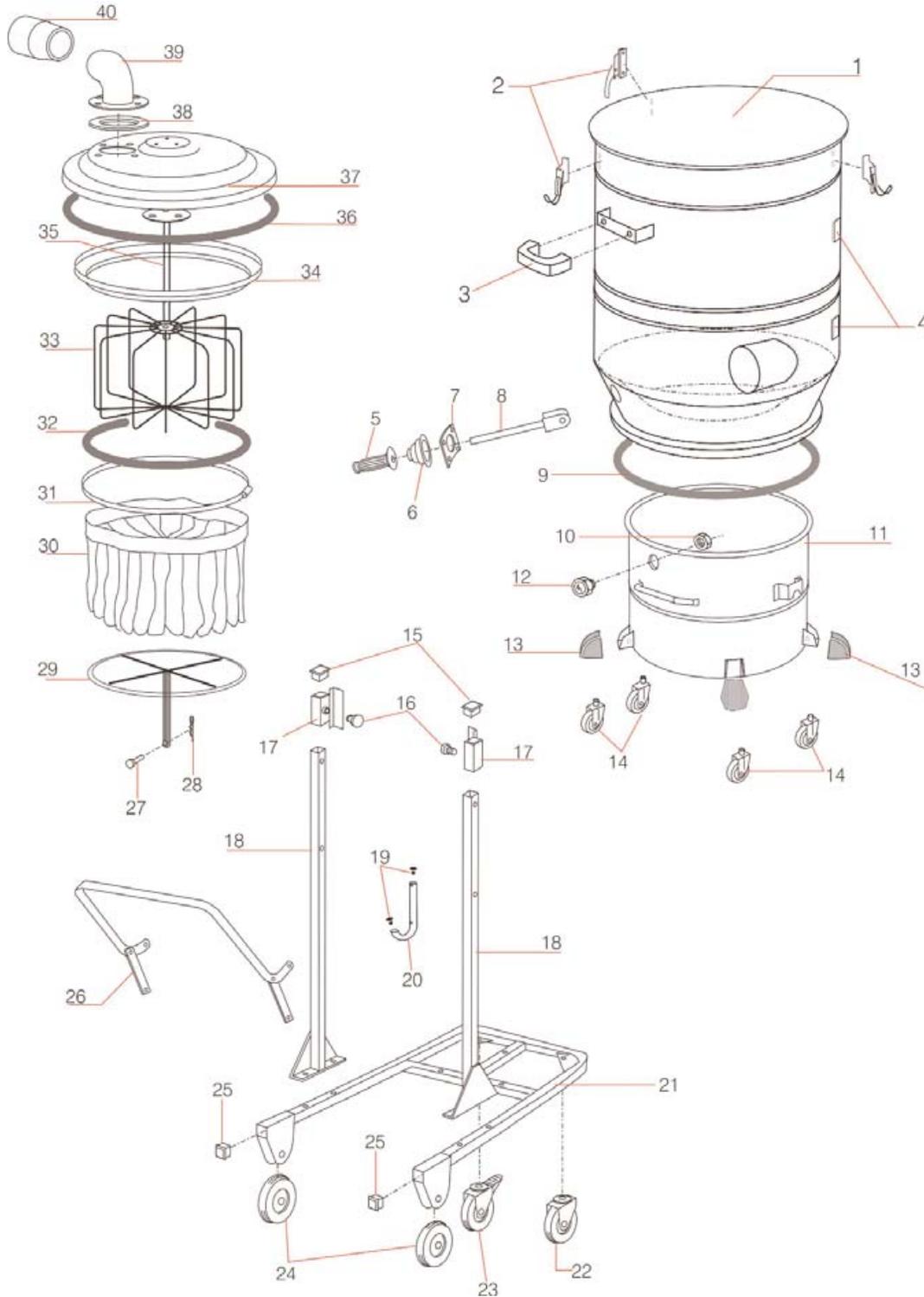




REF.	PART NUMBER	QUANTITY	DESCRIPTION
1	AR3881	1	Filter chamber Ø560 H1000 TNG
2	AR2002	3	Spring hook fasteners
3	AR2001	1	Handle L=140
4	AR3882	4	ELF chamber fastening straps
5	AR2008	1	Filter shake lever's knob
6	AR2066	1	Bellow
7	AR2065	1	Filter shake flange
8	AR2063	1	Filter shake lever
9	AR 2059	1	Container's chamber sheath
10	AR 3114	1	Ring Ø40 x 1,5
11	AR2078	1	100 lt. Collection container
12	AR 2079	1	Level indicator
13	AR3576	1	Mtl wheel cover
14	AR 2005	4	Pivot wheel Ø80
15	AR2051	2	35x35 square cap
16	AR2363	2	Sliding pawl - fulcrum
17	AR3846	2	D/G100/150 ELF Chamber sliders
18	AR3845	2	D/G100-150 ELF Steering columns
19	AR3115	2	Cable hanger's cap
20	AR2085	1	Cable hanging hook
21	AR2290	1	D/G150 Trolley
22	AR 2531	1	Pu. pivot wheel Ø150
23	AR 2532	1	Ø150 Pu. Pivot wheel with brake
24	AR 2530	2	Ø150 Wheel
25	AR2134	2	40x40 square cap
26	AR2084	1	Large coupling lever
27	AR2481	1	Filter shake casing coupling pin
28	AR2480	1	3mm. zigzag spring
29	AR2073	1	Filter shake casing H=235
*30	AR3753	1	20-ply filter, Polyester "G", Ø560 H=750
31	AR2588	1	Filter fastening clamp Ø560
32	AR2582	1	Filter holding ring sheath Ø560
33	AR3892	1	Filter tensioning casing 20r. D/G100-150 ELF
34	AR3361	1	Filter holding ring Ø560
35	AR2404	1	D/G100-150 guide casing
36	AR2453	1	Cover sheath Ø560
37	AR3360	1	Cover Ø560
38	AR2286	1	Inlet plug sheath Ø80
39	AR2285	1	Curved inlet plug Ø80
40	AA1080	1	Inlet plug coupling Ø80

Filter type	Polyester "C"	Polyester "G" ant.	Polyester "C" ant.	Polyester "G" nomex	Polyester "G" teflon
Code	AR 3754	AR 3755	AR 3501	AR 4028	AR 3550

01 – D/G 150 ELF Model, RSCH Series

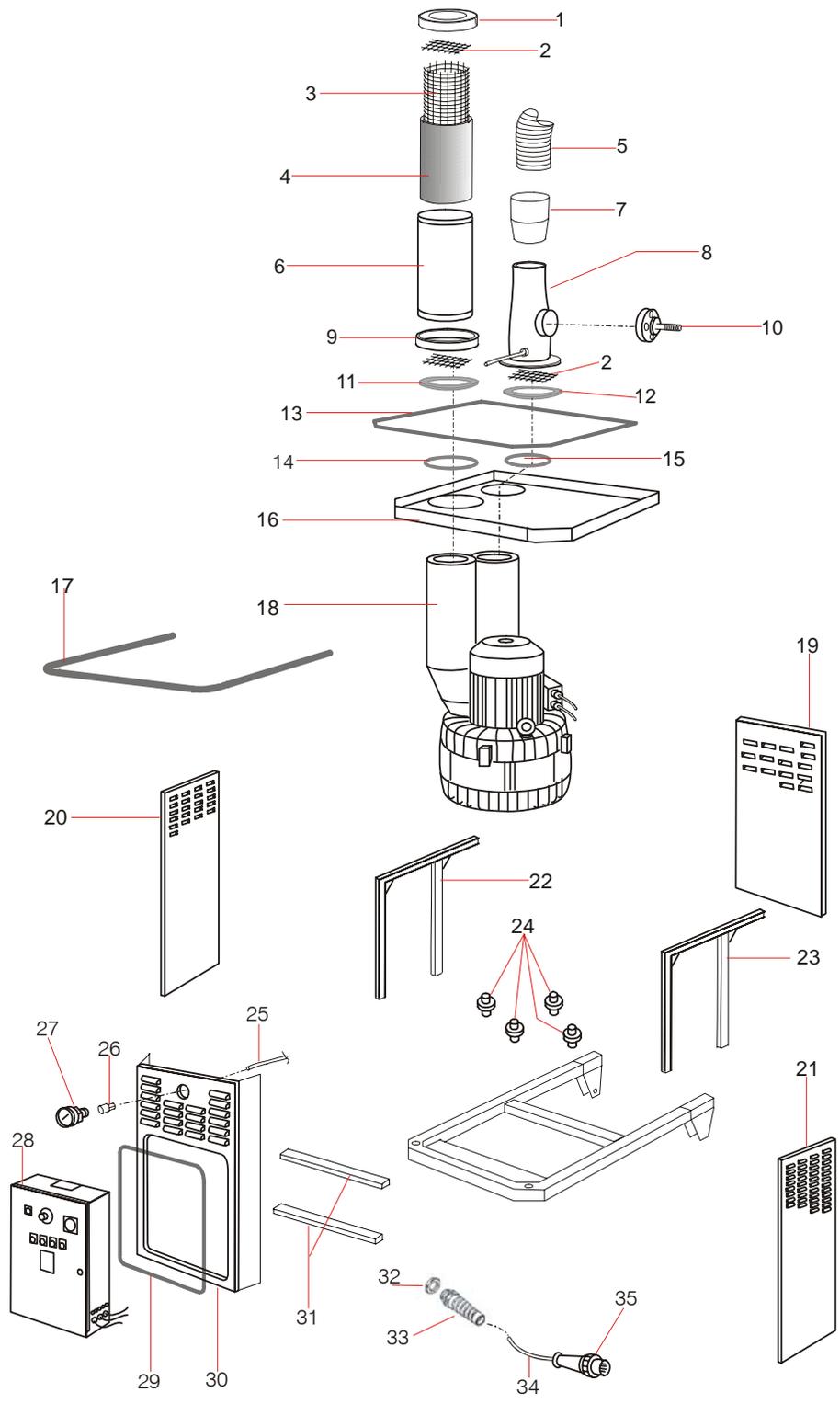




02 – D/G 150 – DG 150 ELF Models, RSCH Series

REF.	PART NUMBER	QUANTITY	DESCRIPTION
1	AR3297	1	Bottom Ø168
2	AR3343	1	Flange grid Ø168
3	AR3839	1	Grid pipe H=700 Ø110 D/G 150-200
4	AR3838	1	Acoustic insulation 350x700 sp.3mm.
5	AR2296	1	Flexible connector Ø80
6	AR3337	1	Soundproof pipe Ø168 H=700 D/G150-200
7	AA1155	1	Rubber coupling Ø100/80
8	AR3341	1	D/G150 Valve holding suction pipe
9	AR4011	1	Bottom Ø167 – 4"
10	AR2209	1	Flange 150x180 and 4" bottom for DG150
11	AA1334		3" vacuum/pressure relief valve
12	AR2208	1	D/G150-200-300 flange sheath
13	AR3311	1	D/G150 upper cover's outline profile
14	AR3335	1	D/G150 blowing pipe outline profile
15	AR3336	1	D/G150 suction pipe outline profile
16	AR3312	1	D/G150 upper cover
17	AR3313	1	D/G150 handle
18	AA1105	1	Nash suction unit, 12.5 KW V400/690/50 IP65
19	AR3326	1	D/G150 front panel
20	AR3324	1	D/G150 Right side panel
21	AR3325	1	D/G150 Left side panel
22	AR3322	1	D/G150 right side panel frame
23	AR3323	1	D/G150 left side panel frame
24	AR3330	4	Ø80x40 M12 F/F Vibration dampeners
25	AR3315	1	Rilsan pipe Ø6 L=120
26	AR3314	1	Air pipe inlet coupling
27	AR3140	1	Vacuum gauge Ø63 0-6000 mm H20
28	AR3319	1	D/G150 control board
29	AR3320	1	D/G150 rear cover's outline profile
30	AR3321	1	D/G150 Rear cover
31	AR3327	2	"U" profiles for control board fastening
32	AR4235	1	Polyamide black nut – pg 21
33	AR3235	1	Polyamide black cable-fastener – pg 21
34	AR3883	1	Supply cable (cord) t.H07RNF 4G4
35	AR2189	1	32 A 5-pole phase change plug

02 – D/G 150 – DG 150 ELF Models, RSCH Series





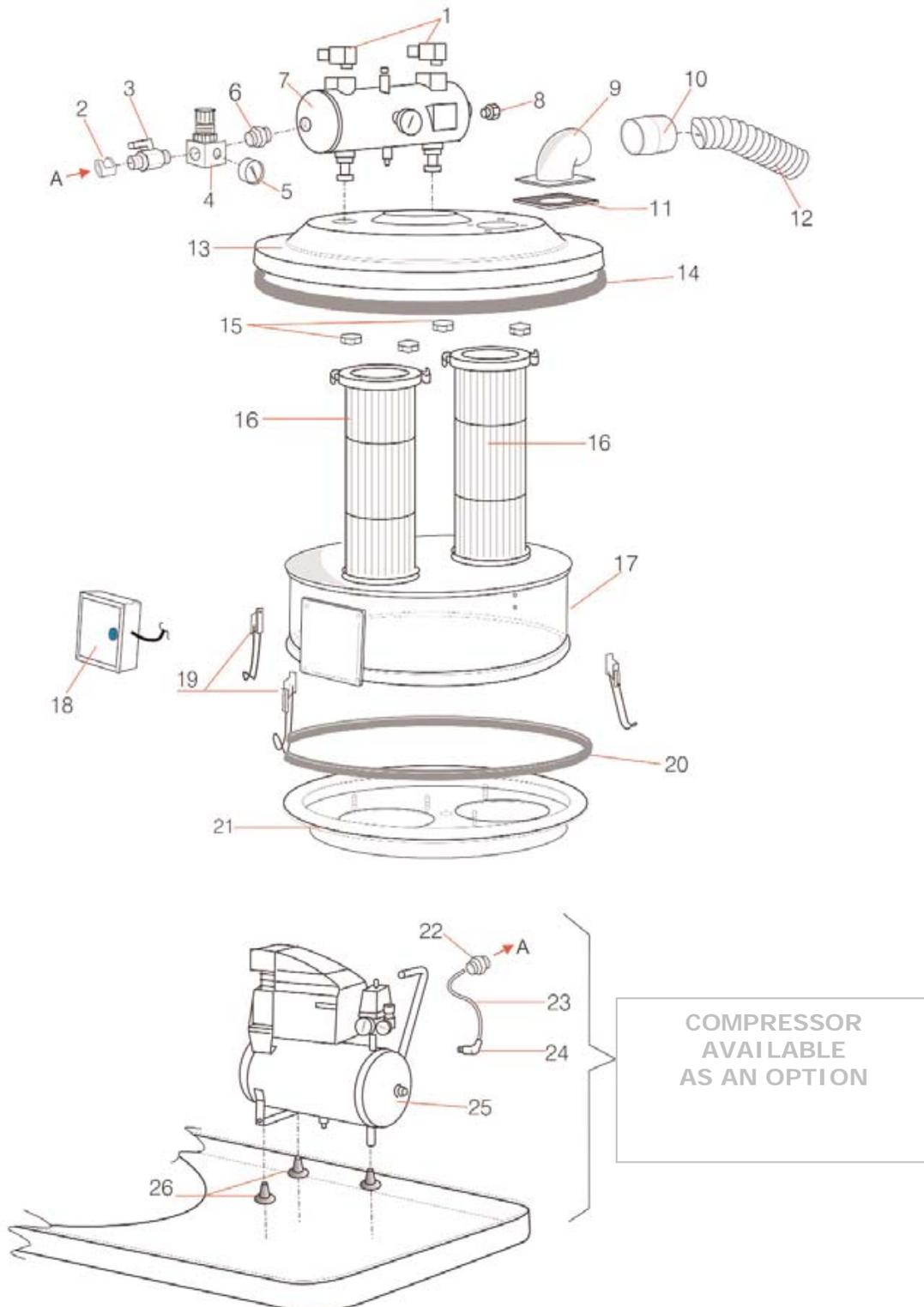
**Pneumatic filter cleaning kit with 2 cartridges Ø 500, P/N AA1246,
D/G1 – D/G 60 – D/G 2 Models**

REF.	PART NUMBER	QUANTITY	DESCRIPTION
1	AR 3353	2	24 Volt valve
2	AR3743	1	Compressed air adapter
3	AR4049	1	3/8" ball valve
4	AR4048	1	Pressure reduction gear
5	AR2335	1	Gauge
6	AR3263	2	Reduction _"F – 1"M
7	AR3352	1	2-way air tank
8	AR3265	1	1" Cap
9	AR3986	1	Curved inlet plug Ø70, RSCH series
10	AA1023	1	Accessory coupling sleeve, Ø70
11	AR2286	1	Curved plug sheath Ø80
12	AR4005	1	Ø70connector to the 80 cm. flexible hose
13	AR4042	1	Pneumatic cover Ø525 / 2 TRF cartridges
14	AR2070	1	Mousse sheath 30x3
15	AR3202	4	Handwheel 7p D.50 8MA
16	AR3056	2	Cartridge-filter Ø156x700
17	AR4033	1	Rising band Ø500 H=120
18	AR3306	1	Electric sequencer for no. 2/4 cartridges as an option
19	AR2523	3	F.A. spring hook fasteners
20	AR2013	1	Sheath Ø500
21	AR3847	1	Ø500/156 disk carrying 2cartridges

Compressor (available as an option)

22	AR4051	1	F.3/8" - Ø10straight connector to air pipe
23	AR4046	cm.50	Rislan pipe Ø10
24	AR4047	1	M.3/8"curved connector to Ø10air pipe
25	AR4050	1	Compressor 6L KW1,5 MNF
26	AR3254	4	Compressor's suction caps

Pneumatic filter cleaning kit with 2 cart - 78 - 500, P/N AA1246,
D/G1 – D/G 60 – D/G 2 Models





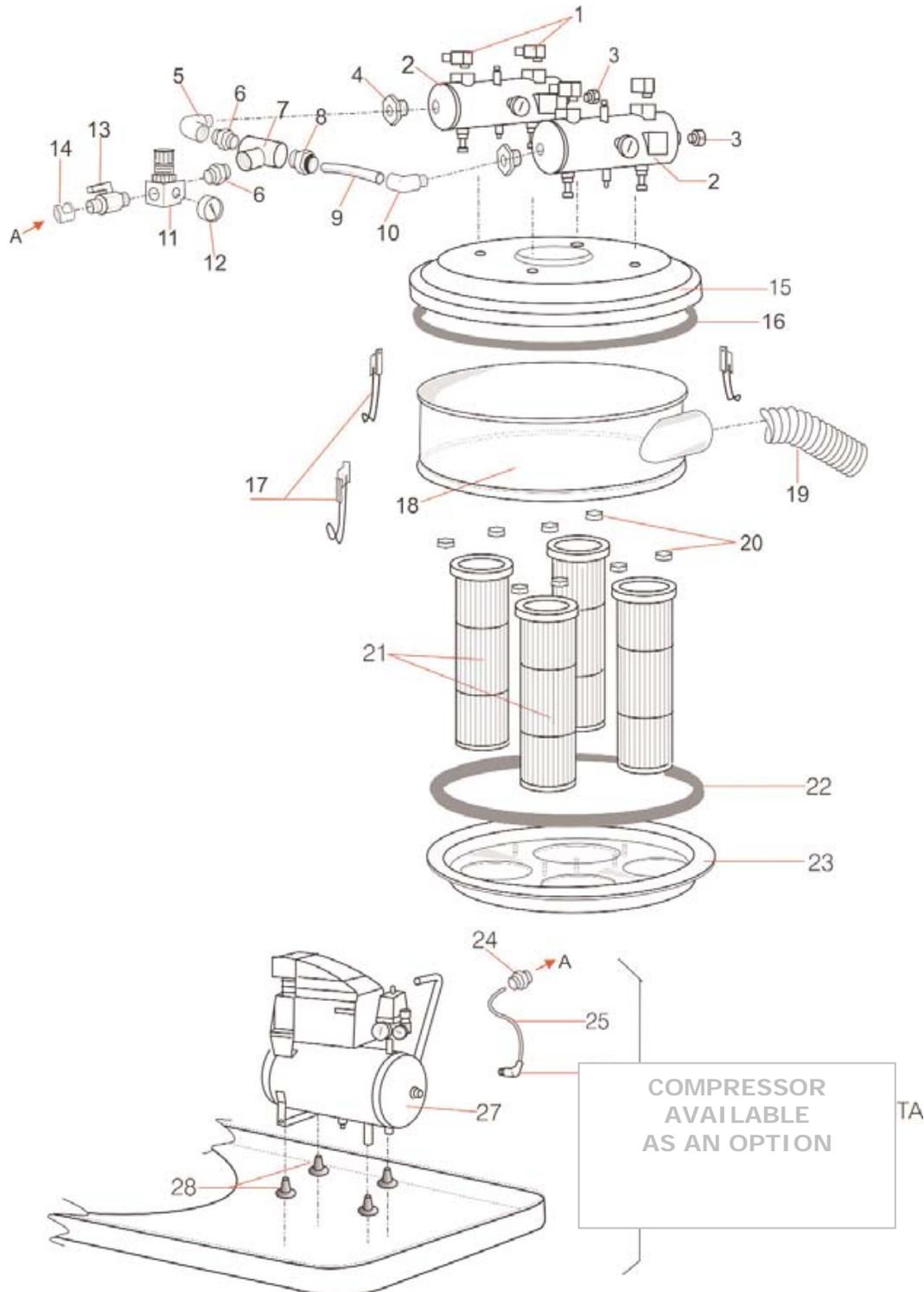
**Pneumatic filter cleaning kit with 4 cartridges Ø 560, P/N AA2671-A
D/G 100 Model**

RIF.	PART NUMBER	QUANTITY	DESCRIPTION
1	AR3353	4	24 Volt valve
2	AR3352	2	2-way air tank
3	AR3265	2	1" Cap
4	AR4043	2	1"M – 3/8" F reduction
5	AR3912	1	M/F 3/8" - 1/2" elbow
6	AR4044	2	M/M _" straight connector
7	AR3910	1	"T" F/F _" eject connector
8	AR4045	1	M _" connector to air pipe Ø10
9	AR4046	10 cm.	Rilsan pipe Ø10
10	AR4047	1	Curved connector M.3/8" to air pipe Ø10
11	AR4048	1	Pressure reduction gear
12	AR2335	1	Gauge
13	AR4049	1	3/8" ball valve
14	AR3743	1	Compressed air adapter
15	AR3884	1	Pneumatic cover Ø560 – 4 cartridges Trf.
16	AR3349	1	Cover sheath Ø560
17	AR2523	3	Spring hook fasteners F.A.
18	AR4034	1	Rising belt Ø560 H=120 TNGØ70
19	AR4005	1	Flexible hose connector Ø70
20	AR3202	8	Handwheel 7P. Ø50 8MA
21	AR3056	4	Cartridge filter Ø156x700
22	AR2582	1	Sheath Ø560
23	AR3848	1	Ø560/156 disk carrying 4cartridges

Compressor (available as an option)

24	AR4051	1	F.3/8" - Ø10straight connector to air pipe
25	AR4046	50 cm.	Rislan pipe Ø10
26	AR4047	1	M.3/8"curved connector to Ø10air pipe
27	AR4050	1	6L KW1,5 MNF Compressor
28	AR3254	4	Compressor's suction caps

**Pneumatic filter cleaning kit with 4 cartridges Ø 560, P/N AA2671-A
D/G 100 Model**



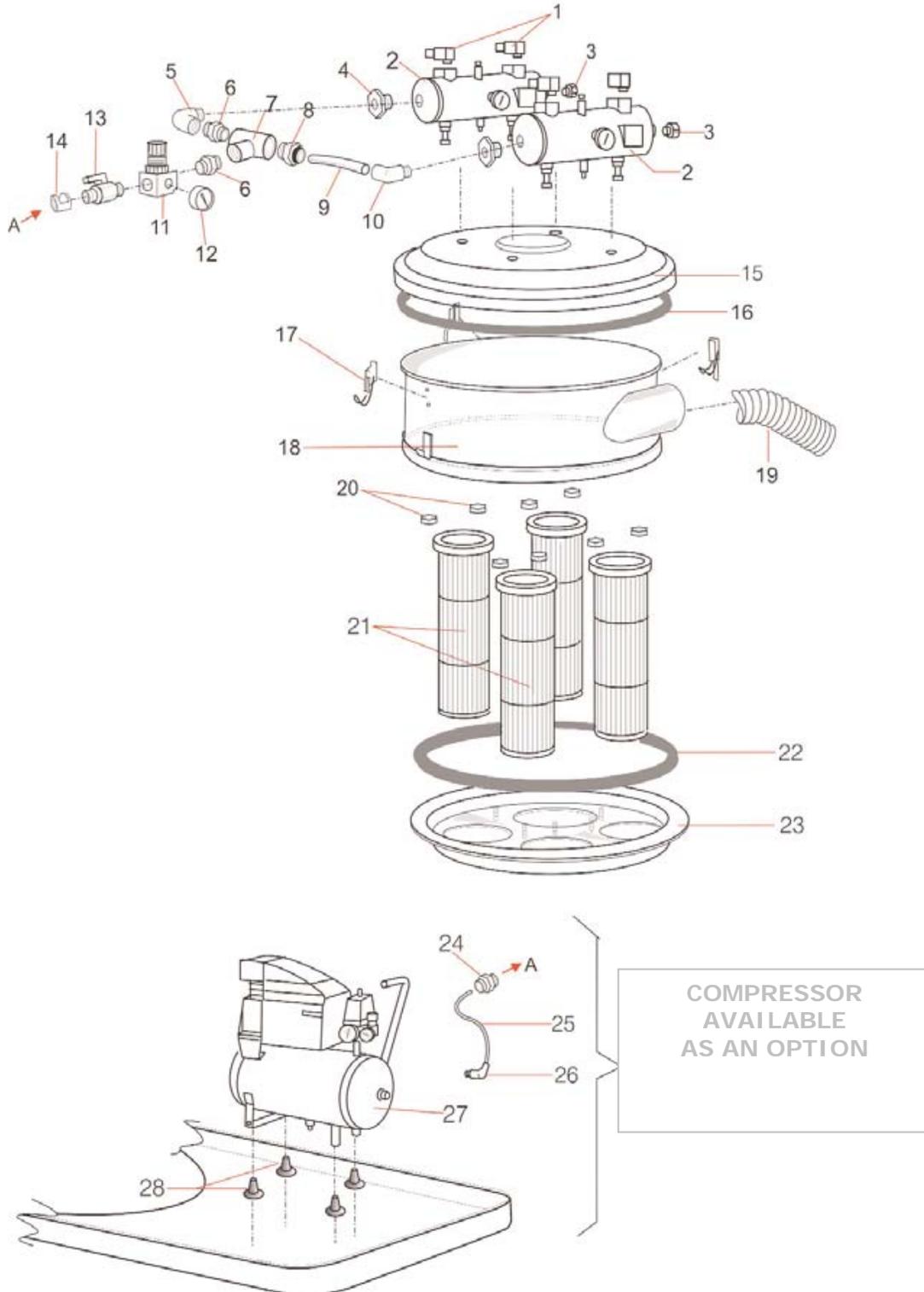
**Pneumatic filter cleaning kit with 4 cartridges Ø 560, P/N AA2671-A
D/G 150 Model**

REF.	PART NUMBER	QUANTITY	DESCRIPTION
1	AR3353	4	24 Volt valve
2	AR3352	2	2-way air tank
3	AR3265	2	1" Cap
4	AR4043	2	1"M – 3/8" F reduction
5	AR3912	1	M/F 3/8" - 1/2" elbow
6	AR4044	1	M/M _" straight connector
7	AR3910	1	"T" F/F _" eject connector
8	AR4045	1	M _" connector to air pipe Ø10
9	AR4046	cm.10	Rilsan pipe Ø10
10	AR4047	1	Curved connector M.3/8" to air pipe Ø10
11	AR4048	1	Pressure reduction gear
12	AR2335	1	Gauge
13	AR4049	1	3/8" ball valve
14	AR3743	1	Compressed air adapter
15	AR3884	1	Pneumatic cover Ø560 – 4 cartridges
16	AR3349	1	Cover sheath Ø560
17	AR2002	3	Spring hook fasteners F.A.
18	AR4035	1	Rising belt Ø560 H=120 TNGØ70
19	AR4005	1	Flexible hose connector Ø70
20	AR3202	8	Handwheel 7P. Ø50 8MA
21	AR3056	4	Cartridge filter Ø156x700
22	AR2582	1	Sheath Ø560
23	AR3848	1	Ø560/156 disk carrying 4cartridges

Compressor (available as an option)

24	AR4051	1	F.3/8" - Ø10 straight connector to air pipe
25	AR4046	50cm.	Rislan pipe Ø10
26	AR4047	1	M.3/8"curved connector to Ø10air pipe
27	AR4050	1	6L KW1,5 MNF Compressor
28	AR3254	4	Compressor's suction caps

**Pneumatic filter cleaning kit with 4 cartridges Ø 560, P/N AA2671-A
D/G 150 Model**





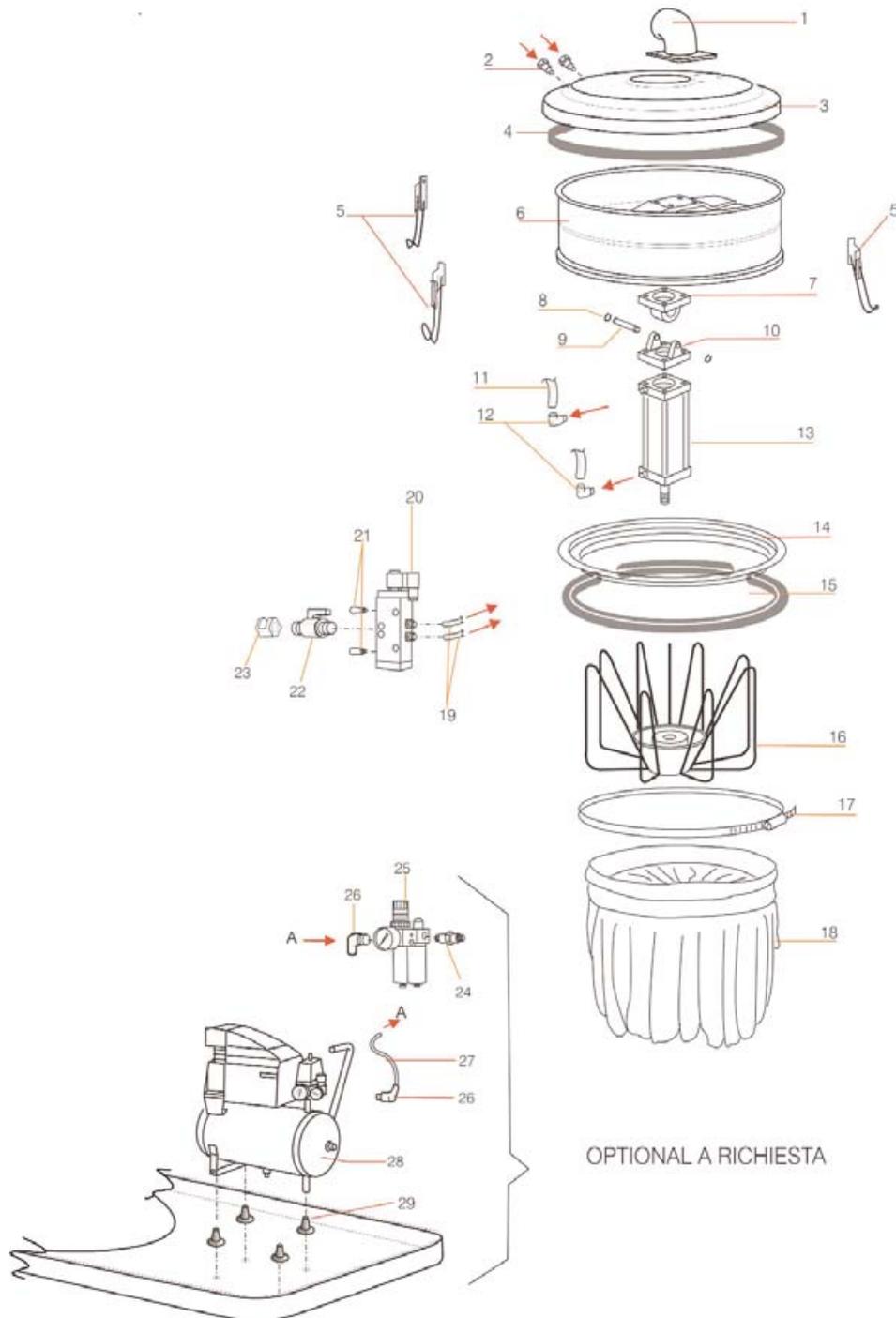
**Filter cleaning kit with piston automatic shake system, P/N AA 1249,
D/G 150 Model**

REF.	PART NUMBER	QUANTITY	DESCRIPTION
1	AR3741	1	90° inlet plug Ø100, flange Ø100
2	AR4041	2	Ø10 quick release sheet metal inlet plug
3	AR2287	1	D/G150 Cover
4	AR2070	1	Mousse sheath30x3
5	AR2523	3	Spring hook fasteners F.A.
6	AR3896	1	Piston shake system rise belt Ø500 H120
7	AR3244	1	Ortogon hingeCN/CD 40-50
8	AR3247	2	Seeger ring
9	AR3246	1	Hinge pin
10	AR3245	1	Hinge CN/CA 50
11a	AR4046	20 cm.	Rilsan pipe Ø10
11b	AR4046	35 cm.	Rilsan pipe Ø10
12	AR4047	2	M.3/8"curved connector to Ø10air pipe
13	AR3248	1	Pneumatic cylinder CN 50/200
14	AR2017	1	Filter holding ring Ø500
15	AR2013	1	Filter holding ring sheath Ø500
16	AR3726	1	Filter tensioning casing 20 R. D/G150 for P.A.S.S.
17	AR2018	1	Filter fastening clamp Ø500
18	AR2072	1	Polyester filter G 20 Ø500 H=600 20T.
19	AR4046	50 cm.	Rilsan pipe Ø10
20	AR3253	1	24V 5-way valve
21	AR3252	2	1/4" bronze silencer
22	AR4049	1	3/8" ball valve
23	AR3743	1	Compressed air adapter

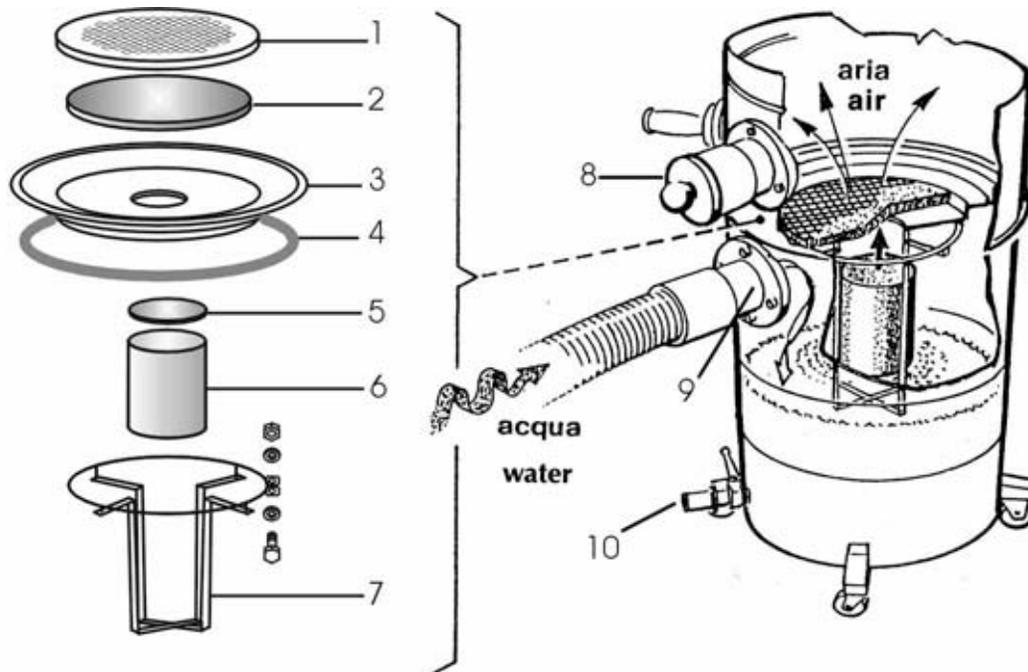
Compressor (available as an option)

24	AR3251	1	1/4 " extension L=30
25	AR3250	1	FRL _" Unit
26	AR4047	1	M.3/8"curved connector to Ø10air pipe
27	AR4046	50 cm.	RILSAN pipe Ø10
28	AR4050	1	6L KW1,5 MNF compressor
29	AR3254	4	Compressor's suction caps

**Filter cleaning kit with piston automatic shake system, P/N AA 1249,
D/G 150 Model**



AA 1096 Float
Available as an option for the 100 lt. collection container



REF.	PART NUMBER	QUANTITY	DESCRIPTION
1	AR2011	01	Fibre filter grid
2	AR2012	01	Fibre filter
3	AR1321	01	Float cyclone Ø450
4	AR2069	01	Mousse sheath 10x3
5	AR2553	01	Float sheath
6	AR2015	01	Float
7	AR2384	01	Float retainer
8	AR3304	01	Float cap
9	AR2412	01	Die-cast inlet kit
10	AR2010	01	Complete exhaust valve



Dealer: