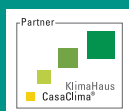




disan
Central Vacuum Systems

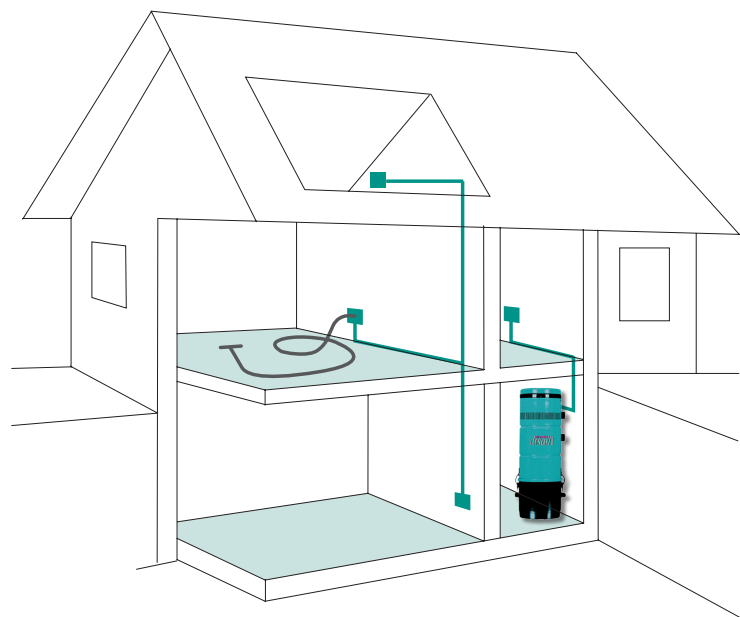


CENTRAL VACUUM CLEANERS
For domestic use
SINGLE PHASE RANGE





The **DISAN single-phase central vacuum systems** are characterized by their elegant design composed by elements of quality which have been planned in every detail in order to satisfy the demands of the final user.



Every detail has been examined to produce a product with the best technical characteristics and to give outstanding satisfaction in the long term.

We have meticulously balanced the two forces that produce maximum vacuum. This performance reduces motor wear, which in turn gives extended motor life, along with an extra large volume filter, integrated cyclone and large capacity dust container with handles.

It is no wonder Disan has gained a worldwide reputation that is synonymous with quality. This quality is presently appreciated by thousand of satisfied customers worldwide.

• DISCOVER THE HIGHER TECHNOLOGY

MOTOR PROTECTION

All the central vacuum cleaners are equipped with a safety bi-metallic thermostat which stops the motor in case of an irregular overheating. There are other safety devices, such as safety fuses so that the central vacuum systems are in accordance with E.C. regulations. We also comply with all National and International safety requirements.

INSULATION OF THE MOTOR CHAMBER

The motor is insulated by a sound absorbing and a fireproof material that reduces noise emissions, this also protects the motor from any external dust and dirt. All our domestic motor units are rated at 60-61 dB, as standard. Noise level is a major point to consider and a big plus for Disan, over our competitors.

PRIMARY CYCLONIC FILTRATION

All the models of high range are equipped with a double cyclone: the higher cyclone protects the filter and conveys the mixture of air and dust by creating a gravitational separation. The lower cyclone traps the separated dust, in the inner plastic bags, this aids easy disposal. The filter chamber in which the two cyclones are located is fundamental for the depression which helps the separation and the secondary mechanical filtration.

METAL OR ABS BODY

The central vacuum cleaners are available with the body in steel and painted with epoxy resins to obtain higher levels of solidity and static properties. Now it is also available in heavy duty ABS.

DUST CONTAINER

The dust container has a large capacity and can be equipped with a plastic bag to avoid contact with dust during the emptying of waste container. The container is fitted with two handles and two cushioned fasteners that give an airtight closure. The waste container will need emptying 2-3 times a year.

TECHNIQUE OF THE CENTRAL VACUUM SYSTEMS DISAN

INCORPORATED TRANSFORMER

The vacuum sockets are connected with a low-voltage cable (12v DC). When the vacuum hose is inserted into the socket the motor will start with the aid of the internal low voltage transformer.

BYPASS TANGENTIAL MOTOR

The motors used by Disan can be considered the best in the market. The rotor shaft is 10 mm, whereas the standard is 8 mm. The commutator is the best that the market offers, the body and the supports are made with special aluminium used in the aeronautics field, the carbon brushes are longer than the standard ones. It is well balanced in order to have high performances and to last longer than any other motors. The tangential motor used by Disan has separate cooling fans. The suction chamber is sealed, thereby protecting the electrics and exhausting any impurities to the outside. The electrical side with its own fan is self cooling and independent from the suction chamber.



SECONDARY MECHANICAL-FILTRATION

After the primary cyclonic filtration the flow of the mixture air-dust, which has lost the heavier parts, passes through the mechanical filter. The filters of the central vacuum cleaners Disan are under the same categories, with the ones which have the larger filtering surface. Although the high capacity they create a minimum airflow resistance which has been pulled down and dissipated by the primary cyclonic filtration. The filters have to be cleaned by a light percussion or by compressed air about 1 times every year and they have to be replaced every 5-6 years.

EXTERNAL SILENCER

In the models with tangential motor an external silencer is always provided, this is fitted to the exhaust piping.

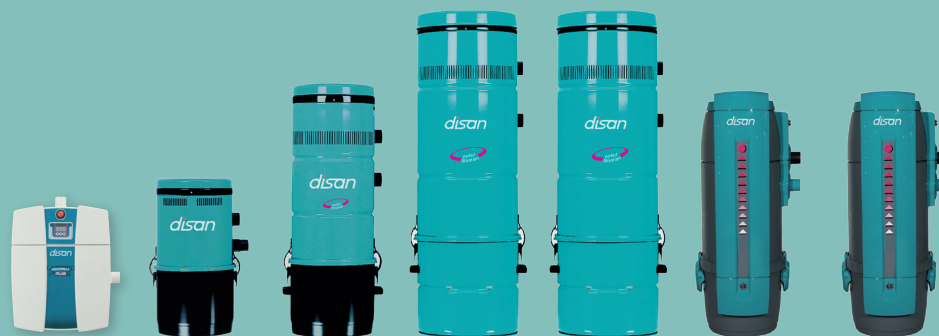
FIXING SYSTEMS

All fixings are included with the accessories along with quick fit couplings for connection to the pipe network.



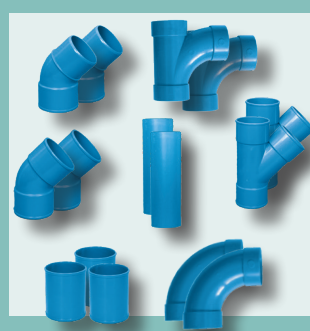
TECHNICAL DATA

Disan offers a range of central vacuum units in order to satisfy every construction requirement. For the choice of the model that fits your needs please consult with your nearest dealer or log onto www.disan.com.



		MATRIX PT	ZSA 18/1	ZSA 25/1	ZSA 25/2 DD	ZSA 45/2 DD	ZSA 45/3 DD	EVO 200	EVO 500
Approximate application									
Surface up to	m ²	sq. foot 1,600	90 max	130 max	120-150	150-500	200-500	150 max	400 max
Length of tubing	m	yard 44	25 ca	40 ca	60 ca	90 ca	110 ca	45 ca	100 ca
Maximum no. of inlet sockets	nr	3-4	3-5	3-5	5-9	7-12	10-15	4-5	10-15
Technical data									
Motor power	Kw	1,5	1,25	1,25	1,75	1,75	1,8	1,1	1,3
Turbine stages	nr	1	2	2	2	2	2	2	2
Voltage requirement	V	230	230	230	230	230	230	230	230
EC Safety degree		IP55	IP44	IP44	IP44	IP44	IP44	IP40	IP40
Suction power max	mbar	260	260	260	303	303	341	270	280
Airflow max	m ³ /h	220	191	191	216	230	245	182	225
Airwatt @ Ø32mm	W	421	341	341	652	666	696	369	560
Cyclonical separator	nr	Paper bag	-	1	2	2	2	1	1
Filter surface	cm ²	3.350	5.400	5.400	10.250	19.600	19.600	8.000	8.000
Fabric of framework		ABS	Metal/ABS	Metal/ABS	Metal/ABS	Metal	Metal	ABS	ABS
Dust receptacle capacity	l	11	15	25	25	45	45	20	20
Dimensions	cm	23 x 39 x 49,5	57 x 32Ø	67 x 32Ø	97 x 32Ø	125 x 39Ø	125 x 39Ø	92 x 32Ø	92 x 32Ø
Sound level	dB	59	60	60	61	61	60	60	60
Weight with packaging/net	kg	9,4/7,5	11,5/8,5	12,8/9,8	22,5/17,5	37,2/29,4	37,5/29,7	17,5/13,5	20/16

NOTE Please note: By comparing our product with others please do not examine only the nominal values or values which are almost impossible to estimate (e.g. Air watts) or which are not important for the operational functionality (e.g. Suction power max.) but please consider the efficiency and reliability features of the motor and of the technical properties of the central system as a complete unit.



Other system parts: Beside the central vacuum units Disan is offering a big variety of different other useful system parts. We also support you with all necessary tubing parts, a big variety of rectangular and also quadratic inlet valves for wall or floor mounting. Last but not least Disan offers also a vast number of professional accessories for any kind of use.

Distributed by:

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