

VIRACLEAN



Dirt Separator Horizontal Type **INSTALLATION & OPERATION** **INSTRUCTIONS**

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ENG

Dear Customer,

Thank you for choosing our ViRATOP, ViRAVENT and ViRACLEAN product that is produced in our facilities with extreme care.

Mission of Vira Isı ve Endüstriyel Ürünler A.Ş. which manufactures with completely domestic capital and its own experience using the highest technology is to be the symbol of quality and reliability by offering the customers products and service in the world standards in an environmental conscious. Contact to Vira Isı ve Endüstriyel Ürünler A.Ş. if you have any problems. Vira Isı ve Endüstriyel Ürünler A.Ş. operation instructions includes specifications, functions, introductory information, operation and maintenance explanations of the appliance.

To use your appliance more efficiently make sure to read the operation instructions before operation.

In some sections of this manual the following signs have been

CAUTION : Requires special



WARNING : Must be carried out.

1-General Warnings

- ▲ It can be used for water and water/glycol mixtures (max. %50)
- ▲ Installation and maintenance may only be carried out by a qualified installer
- ▲ Incorrect installation or incompetent use or repairs may render the guarantee invalid.
- ▲ Your product is designed to separate air and/or dirt separators and/or hydraulic balancing tank. So, it must be connected to a heating/cooling system compliant with its power and performance.
- ▲ Touching the product in operation may cause burn.
- ▲ Always contact your installer in case of malfunction
- ▲ Not suited for outdoor use
- ▲ Damage or losses resulting from failures are not included in the guarantee.
- ▲ Guarantee is two years after the date of purchase.

2-Safety Precautions

- Do not use your product for the purposes it is not designed for.
- Do not use your product for drinking water, oil and dangerous or inflammable substances.
- When working on the ViRATOP, ViRAVENT and ViRACLEAN always ensure there is no pressure in the installation and let it cool down.
- Do not use the drain valve for (re) filling Smarttrap.
- Do not use the air drain valve for filling Smartvent.

3-Points That Should be Taken Into Considerations to Use Your Product

- Having the service of the appliance done can be efficient in energy saving.
- Use the proper water your installation.

4-Introduction of Your Products**4.1-Main Functions and Functioning Parts Of Your Products**

ViRACLEAN : Your product is designed to as a dirt separator.

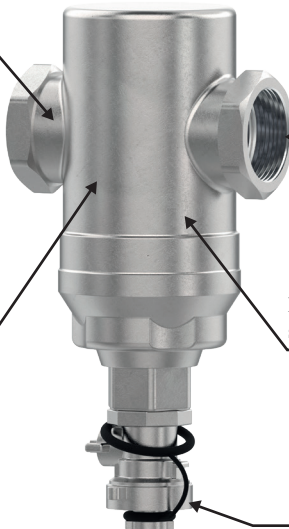
Long life and strong body.

MicroSmart design is the most important part of the system. and creates a low velocity area inside of the Viraclean. Flow resistance is too low and high separation solid impurities.

Screwed system connection 3/4"-1"-1 1/4"-1 1/2"-2" for horizontal installation.

Big space for collecting dirt and solids with low drain request.

Dirt and solids drain valve.



5-Installation

ViRACLEAN

- ViRACLEAN dirt separator should always be installed before equipment that needs for example boilers, chillers, control valves, pumps.
- Also in heating and cooling systems the unit must be located in the return.
- Should be mounted with the body vertical and drain valve is at the bottom. (Figure 3)
- Draining dirt and floating pollutions from ViRACLEAN can be only carried out by a qualified installer as below:
 - Draining water may be hot.
 - Unscrewed and remove the safety plug and use the back of the plug as a handle to open the drain valve for a short period.
 - After no dirt is drained off anymore, shut off the valve.
 - Then make sure to fit the safety plug.
 - After draining the dirt separator, check the pressure of the system and refill if necessary.

Figure 1

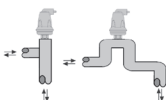


Figure 2

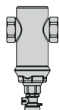
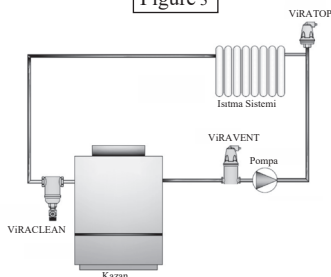
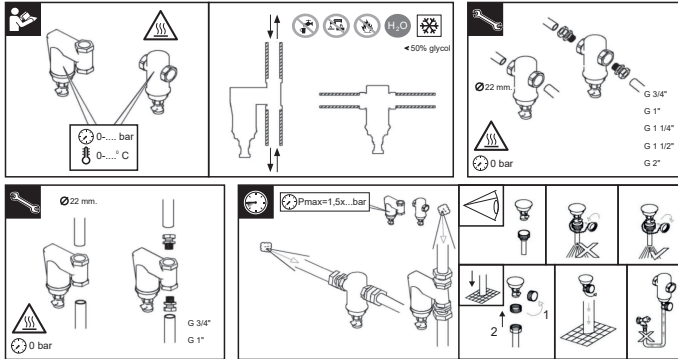


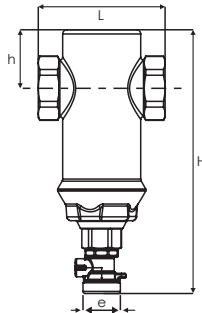
Figure 3



ViRACLEAN Mounting and operating instruction



6-Technical Parameters



TYPE	d	H mm	h mm	L mm	R mm	e inch	Weight kg
SD-D-Y	3/4"	194	28	86	-	1/2"	0,94
SD-D-Y	1"	194	40	85	-	1/2"	0,87
SD-D-Y	1 1/4"	179	40	86	-	1/2"	0,90
SD-D-Y	1 1/2"	208	50	86	-	1/2"	1,15
SD-D-Y	2"	214	52	100	-	1/2"	1,30

Note: Vira A.Ş. reserves the right to modify dimensions, material and design without warning.

Working Pressure	: 0-10 bar
Working Temperature	: 0-110 °C
Body	: Nickel
Float	: Polypropylene
Filters	: Stainless Steel

7-Guarantee

- 2 years after the date of purchase.
- Incorrect installation or incompetent use or repairs may render the guarantee invalid.
- Failures and defects arise from loading, unloading and transportation of the product after delivery to the customer are not included in the guarantee.
- Damage or losses resulting from failures are not included in the guarantee.