

# VIRAVENT



## 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

ViRAVENT : Your product is designed to as a deaerator.

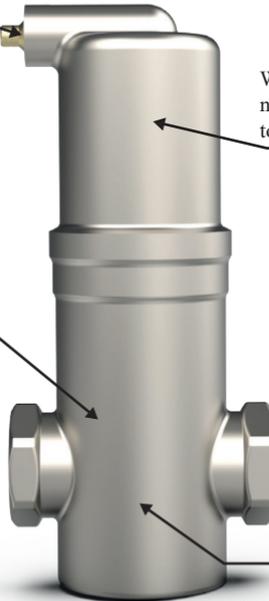
1/2" male thread connection for pressure testing or remote venting of unwanted.

With the special design air vent no leakage and not plugging due to dirt are guaranteed.

**MicroSmart** design is the most important part of the system. Optimum separation of air and micro bubbles with very low flow resistance.

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

Long life and strong body.



## 5-Installation

### ViRAVENT

- ViRAVENT unit must be installed at the hottest part of the system for optimum performance. For example, ViRAVENT AIR SEPERATOR should be installed after the boiler and on the pump suction side; In a chilled water system the unit must be located in the return close to the chiller. (Figure 3)
- The static head must not exceed 15m for heating system and 5m for cooling system.
- ViRAVENT should be mounted with the body vertical and airvent is at the top. (Figure 3)
- Deaerator is to be installed a maximum of 2° slope. (Figure 2)
- Don't obstruct the air valve and keep valve accessible.
- During the instalation if tested with compressed air , a 1/2" cap should be used to shut off air vent and must be removed after the test.

Figure 1

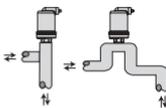
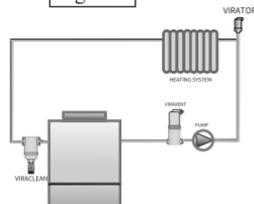


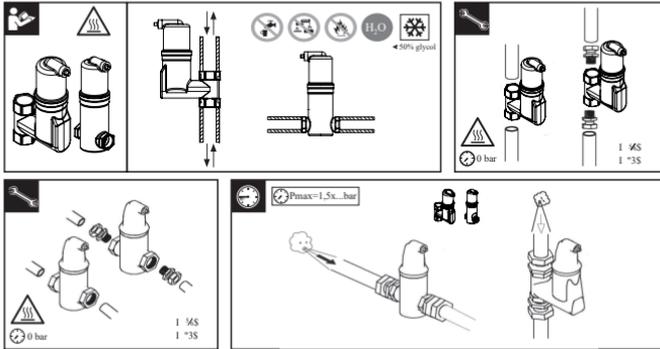
Figure 2



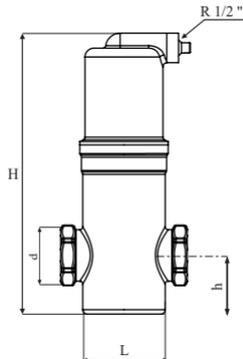
Figure 3



## ViRAVENT and Operating Instruction



## 6-Technical Parameters



TYPE	d	H	h	L		
		mm	mm	mm	mm	
SV-D-Y	3/4"	191	28	86	1/2"	
SV-D-Y	1"	191	40	85	1/2"	- 0,90
SV-D-Y	1 1/4"	197	40	87	1/2"	
SV-D-Y	1 1/2"	206	50	86	1/2"	- 1,19
SV-D-Y	2"	212	52	100	1/2"	

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.