

Sanyo AQUA

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ENVS 664



Washing Machine

- ⚙ Long History

 - ⚙ Since 1691

 - ⚙ By 1940, 60% of wired homes in the US have washing machines

- ⚙ Common appliance at home

 - ⚙ Manufacturers

 - ⚙ Consumers

Think GAIA

- ⊗ Concept from Sanya
- ⊗ Inspired by J. E. Lovelock
- ⊗ Creation of AQUA



Sanyo AQUA

- ⊗ Released in February, 2006
- ⊗ Air Wash concept
- ⊗ Reuse of water



“Air Wash Wide”

- ⚙ Air Wash
- ⚙ No water used
 - ⚙ “Ozonation”
 - ⚙ Disinfect & deodorize in a short time period
 - ⚙ Ideal for items that cannot be washed before
 - ⚙ Oxygen
- ⚙ Different cycles
 - ⚙ Zero detergent, Ozone steam, Mold Guard, Shelf Dry



“Aqua Loop Direct”

- ⊗ Reuse of rinsing water
 - ⊗ Ozone filtration
 - ⊗ Venturi Tube (no tank)
- ⊗ Reuse of bath water
- ⊗ 7 liters of water for 9 kg of clothes



Energy Conservation

☼ Water

- ☼ Reduce water use by 96%

- ☼ 174 liters to 7 liters

☼ Energy

- ☼ No drying system

- ☼ 1/5 of energy used for a full cycle

Features

- ☼ No dry clean needed
 - ☼ Gasoline?
 - ☼ Rack for shoes/stuffed animals

- ☼ Quiet

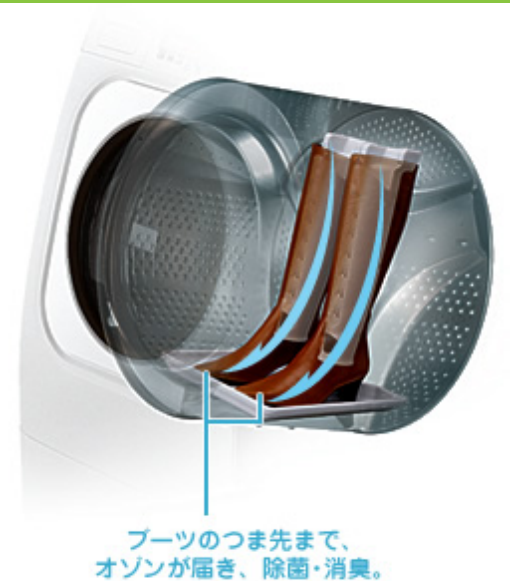
- ☼ 29 – 39 dB

- ☼ Static reduced 99%

ブーツや丈の高い靴など、ご家庭では簡単に除菌・消臭できないものも、別売のエアウォッシュアタッチメントを利用すれば、つま先まで、除菌・消臭できます。

そのまま収納OK。
形崩れも防止。

トレーがあるから、
底が汚れた靴でも気にならない。



Drawback

- ⚙ Use of ozone
 - ⚙ Hazard?
 - ⚙ Color degradation
- ⚙ Price
 - ⚙ Significantly higher than normal dryer/washer combo

Conclusion

- ⚙ Innovative technology
- ⚙ Energy conservation
- ⚙ Similar materials and lifecycle with other products