

# Manufacturer's profile

❖ AQUASYS

## ◆ Headquarter



## ◆ R & D center





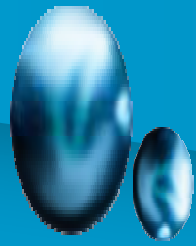
# Manufacturer's profile

❖ AQUASYS

## ◆ Factory in Linz, Austria







# Manufacturer's profile

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## ◆ Principle of Water Mist system

Aquasys Water Mist is the fire fighting system which is able to make many droplets using special nozzle and high pressure as you see below comparison of droplet sizes.

Therefore, this water Mist system is applicable to vehicles such as truck and train which accommodates and supply limited water in case of fire occurrence.

### Comparison of droplet sizes

Droplet ø (mm)	2	0,05
Qty. / liter	$0,24 \cdot 10^6$	$15.300 \cdot 10^6$
Difference	~ 64.000	

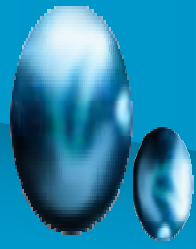


- many droplets
- large reaction surface
- efficient evaporation
- large reaction surface
- efficient evaporation
- enormous cooling effect



Water Mist system's water consumption is about 10% of water consumption of the existing sprinkler system but the fire extinguishing capability is almost double compared to the existing sprinkler system.

The water mist system is used in Europe widely from office, museum, tunnel, truck to train owing to these kinds of advantages.



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### ◆ Special nozzle applied to Water Mist system

AQUASYS® 

*Multiple Nozzle*



**Applicable for:**

- Machinery spaces
- Supply tunnels
- Space protection generally
- etc.

### ◆ Supply unit of Water Mist system

AQUASYS® 

*Water Mist in Railway*



PPVDC on Board



PPB on Board



PPVDC underfloor

**Supply Unit**

# Manufacturer's profile

❖ AQUASYS

## ◆ Water Mist system in Rail way

AQUASYS®

*Water Mist in Railway*



AQUASYS®

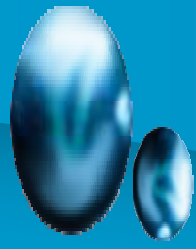
*Water Mist in Railway*



- Tramways
- Lorry Rail







# Manufacturer's profile

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## ◆ Water Mist system in Tunnel

AQUASYS® 

*Applications*



## ◆ Water Mist system in Industry

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*Applications*



- Steel industry
- Paper industry
- Transformers, generators, etc. ...

