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Big Water  
Rigs



10,000 L Water Tender

Valdivia FD

Valdivia, Chile

# Facts and Figures...

- The information in this presentation was provided to us by one of our members, Jaime Sotomayor from Vina del Mar, Chile.
- Senor Sotomayor has been involved in the fire service for quite some time and serves as an instructor/teacher in Chile.
- He also operates a website dedicated to fire protection and fire service training and has applied many of Larry Davis' teachings to operations in his home country.

## Valdivia, Chile, FD



The truck it's an Atego, 2008 Mercedes Benz,,with a steel tank, and just a pair of small motopumps (300 lpm [80 gpm] e/o).  
The first water tender with such a valve in Chile, ever! (Oct 2008).

It's the fastest discharge water tender in Chile.....it looks like it's also the fastest in the americas, full 10,000 liters (2,640 US gallons) in 1'40" (100 seconds). 100% gravity dumping.

Video in [www.firecontrolchile.webs.tl](http://www.firecontrolchile.webs.tl) (add info [ww.bomberosvaldivia.cl](http://ww.bomberosvaldivia.cl)).

The valve design included installing it in the bottom of the tank, so the water's head pressure was maximised to the last drop, and some additional "trade tricks".

Instaling the valve at the right side, allows the tender driver to minimize the number of movements to allocate the tanker in the discharging position.

The porta tank it's simply deployed at the drive way side, so the tenders could continue it's travel with just a minimum amount of interruption, thus increasing the final lpm's or gpm's for the fire. Something the rear discharging valves didn't allow. It's pretty curious to see water tenders with two side discharges, to have a third one on the rear...to use it, the WT had to pass for the porta tank side!!



At the workshop.



At work!!



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