

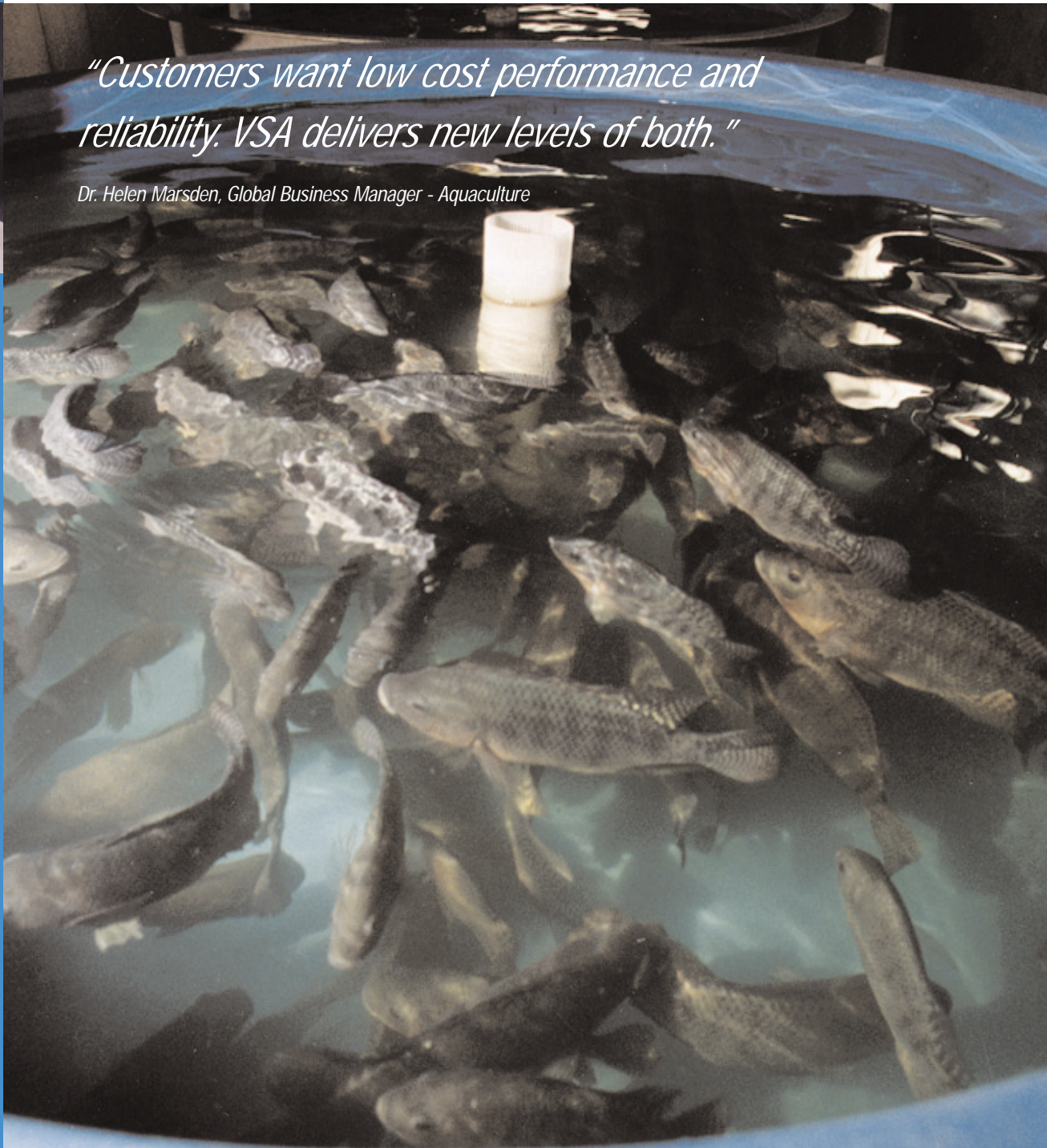
VSA Oxygen Generators

Advanced technology for fish farmers



*"Customers want low cost performance and
reliability. VSA delivers new levels of both."*

Dr. Helen Marsden, Global Business Manager - Aquaculture





120 l/min VSA oxygen generator

The Air Products VSA oxygen generators will help to keep costs under control and your productivity high.

New technology, advanced benefits

New VSA (Vacuum Swing Adsorption) generator technology from Air Products takes the well-known benefits of using oxygen in aquaculture a step further.

Unlike PSA (Pressure Swing Adsorption) systems, the new VSA generator has only three moving parts, making it a low maintenance, highly reliable system. And, again unlike PSA systems, no air compressor or air dryer is required, so operating and maintenance costs are reduced. Our VSA generators have been designed for low cost, high volume production.

Suddenly oxygen technology has now become economical for most aquaculture operations, including ponds, raceways, re-circulation systems, flow through, sea cage, net pen and hatchery operations, and bait and leisure fisheries.

The generators in our product range are compact, come skid mounted as standard, and can be easily trailer mounted for ease of manoeuvrability around your site. The generators simply need to plug into a power supply and you can then start producing oxygen instantly!

Benefits of using oxygen in aquaculture:

- Increased food conversion ratio
- Lower fish mortality rates
- Decreased fish stress
- Increased stocking density
- Decreased disease levels

reliability + peace of mind +

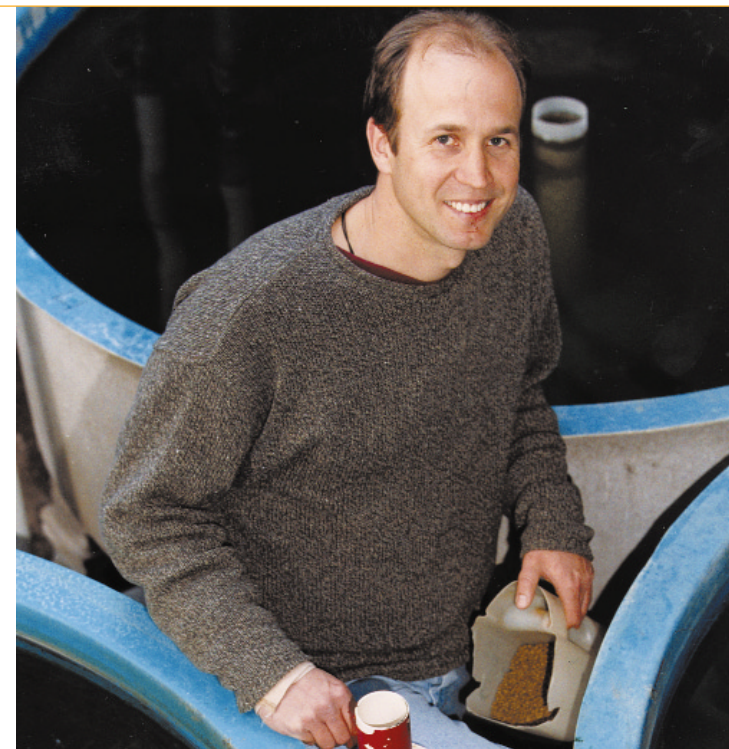
increased production
reduced unit cost



40 l/min VSA oxygen generator



5 l/min VSA oxygen generator

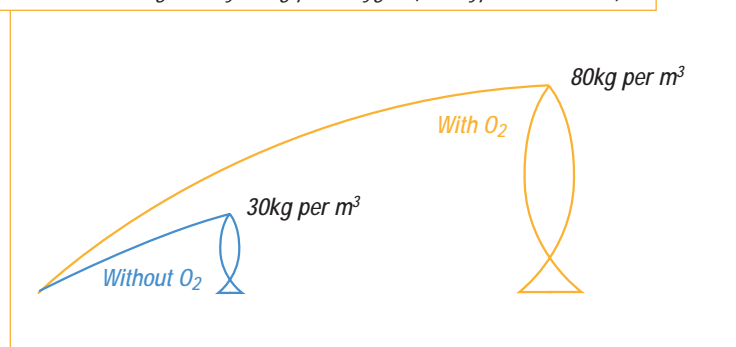


Listening to what customers want

- ✓ reliability
- ✓ peace of mind
- ✓ a life support system for fish
- ✓ a system for increasing production
- ✓ a system for reducing unit cost
- ✓ a system to reduce risk

***Air Products VSA,
a clear advantage
for better business***

Increased stocking density using pure oxygen (on a typical trout farm)



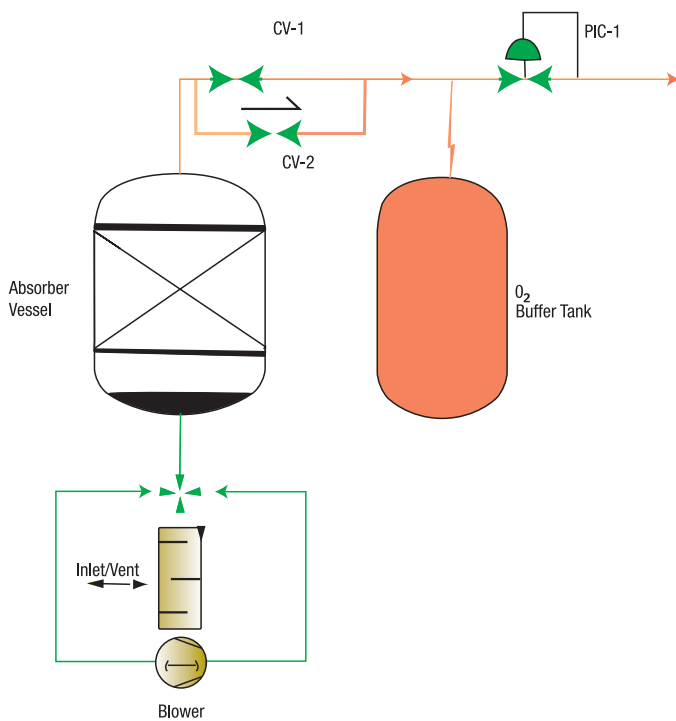
A clear advantage

Our VSA generators allow you to have your own independent oxygen supply, ideal for remote locations. Not only do they remove the management and transport costs normally associated with traditional oxygen supplies, but also provide a predictable and economic long-term oxygen cost. The new range of Air Products VSA oxygen generators will help keep your costs under control and your productivity high.

tell me more

www.airproducts.com/aquaculture

Air Products Vacuum Swing Adsorption (VSA) generators



- *simple installation*
- *simple operation*
- *easy to maintain*
- *high degree of mobility*
- *built from standard components*
- *only 3 moving parts - motor, valve and blower*
- *single sieve bed*
- *three phase or single phase power*
- *uses less power than PSA generators*
- *auto restart after power failure*



Let your fish breathe easy...

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tell me more
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