



HALE HAMILTON
Excellence in Pressure & Flow Control

DEFENCE

'AUTOCHARGE'

Automatic Cylinder Filling (ACF)

For naval fire-fighting / damage control
Breathing Air (BA) and Diving Air (DA) cylinder charging

Imagine taking uncertainty out of an unfamiliar task, the end result of which may save lives. Filling breathing air cylinders is a time consuming, manual process, not without risk and often with a variable outcome in terms of the mass of gas filled **Until now**

Automation - addresses issues such as:

- reducing the risk inherent with manual control of high pressure air systems
- cutting out the drudgery of a repetitive task
- lean manning

Proportional control - enables:

- repeatable & consistent mass of gas filled
- reduced filling times (2-5 minutes)
- safe control of high pressure air

Sensor technology - allows:

- fill pressures to be pre-selected for different applications
- multiple applications to be filled from the same panel
- cylinder filling from any residual pressure up to 380bar (5,510 psi)

Push button operation - means:

- simplified start, stop and vent down procedures
- reduced training requirement
- ease of operation

Robust design - to withstand:

- shock
- vibration
- corrosive marine environment

Track record - proven technology:

- in industrial applications
- with 57 years experience in BA systems
- as specified by BAE SYSTEMS Naval Ships for Type 45



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