HALE HAMILTON

INNOVATIVE SUBMARINE SOLUTIONS

For the last 70 years we've been partnering with our customers to deliver mission critical pressure and flow control solutions, supported with exceptional regional through-life support.

Ergonomic Stole Charging Valve (ESCV)

The ESCV is designed to make the process of escaping a submarine easier and safer by reducing the chances of a submariner accidently disconnecting from the stole charging valve as the tower is flooded.

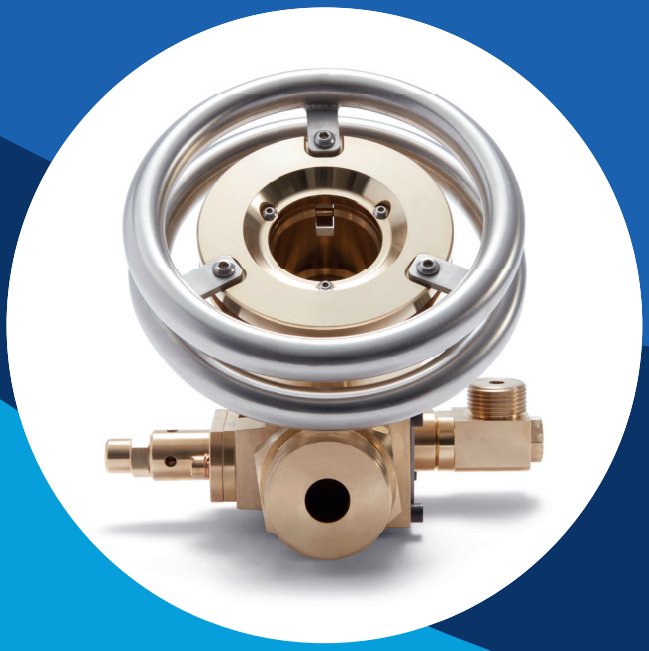
The push fit connector on the submariner's sleeve is held in place via a mechanism leaving their hand free to hold on to the handles built into the ESCV, this improves their ability to resist the upwards force caused by the buoyancy of the suit. Once ready to escape the submariner lets go of the ESCV handles and the mechanism releases the push fit connector.

Current system relies on the submariner manually holding the push-fit connector into the stole charging valve while also trying to hold themselves underwater with their remaining free hand. Questions are being raised about the effects of buoyancy, turbulence, submarine inclination, injury or lack of strength. The basic requirement is to provide a reliable means of connection that is less dependent on physical strength and provides means of support against disturbing forces. >

Ergonomic Stole Charging Valve (ESCV)

The ESCV enhances the safety of the escaping submariner that they will always be connected to air until they are ready to release and surface safely.

- **> Ergonomic design allows for ease of installation by customer.**
- **> Secure connection to air supply.**
- **> Provides an anchor point to resist buoyancy & turbulence forces.**
- **> Mechanism is adjustable to provide the optimum orientation in inclined escape.**



Hood Inflation System (HIS)

- > Performs safely and efficiently down to 300 meters
- **> 3 year service interval**
- **> Synchronisation with typical 3 year intermediate docking schedule**
- **> Extended operational availability**
- **> Reduced through-life costs.**

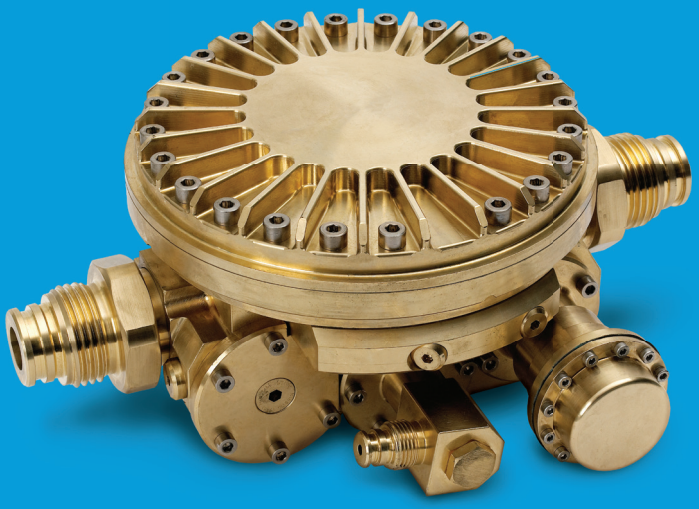
Product Family:

Original HIS: 12 Month service interval

Extended Life HIS: 3 Year service interval

Reduced Flow HIS: 3 Year Service interval

Upgrade paths available: fit, form & function in most applications.



www.halehamilton.com

+44 (0)1895 236525

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