



Submarine Diesel Group Exhaust Valve

The photograph shows an 8" gate valve complete with flat face seals. The sealing faces are clad with stellite and then machined and lapped together to ensure watertight integrity when in the shut position.

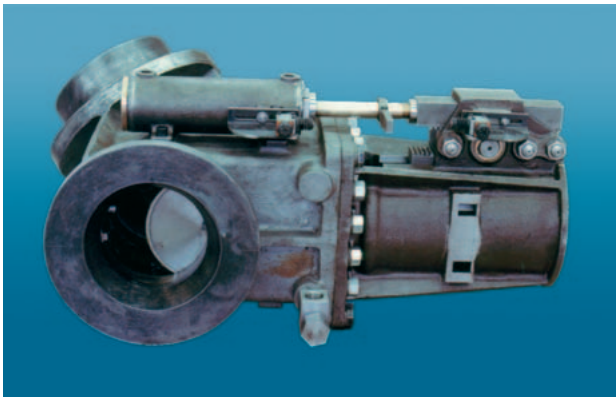
The valve can be operated either manually, by the use of a ratchet and lever through the bottom opening of the cover casting (the lower casting in the photograph) or power operated via the travel cylinder arrangement (to the right side of the valve).

Used when the submarine is on the surface or snorting at periscope depth. The function of the valve assembly is to collect the diesel exhaust gases and discharge them to the atmosphere via the diesel exhaust mast. When not in use the valves, which are tested and qualified to the full operating profile of the host platform, are shut ensuring a pressure tight seal.



Port Valve

Starboard Valve



Technical Specification

MATERIALS

Body	Steel Casting
Cover	Steel Casting
Valve Lid	Steel Casting with Stellite Cladding
Travel Spindle	Steel Clad with Tungsten Carbide
Lid Carrier	Stainless Steel Casting
Travel Cylinder	Cast Iron Casting

All other materials are resistant to salt water and the chemical attack of exhaust fumes.

Weight	450 Kgs
Dimensions	1000mm x 800mm x 500mm
Pressure (Hydrostatic)	To the maximum operating profile of the host platform.

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