



Hydracon Company, Inc.

Ocean Submersible Latching Solenoid Valve - Model No. 1700-100

Features:

- BUBBLE TIGHT CLOSURE AND HIGH FLOW TO SIZE RATIO
- HIGH TOLERANCE TO CONTAMINATION
- STAINLESS STEEL WETTED PARTS
- HERMETICALLY SEALED SOLENOID

Specifications:

1. Solenoid operated valve, latch open, normally closed, 2 way, 2 position.
2. Operating fluid pressure: 3,000 psid
3. Fluid media: sea water
4. Contamination tolerant seat.
5. Bubble tight closure ("zero" leakage)
6. Flow: 0.17" ESEOD ($C_v = .56$)
7. Ports: AND10050-4 (1/4" tube size)
8. Electrical: 1amp @ 24vdc, cont. duty.
9. Size: 2.0" x 2.25" x 7" (plus connector)
10. Weight: 6.0 lbs.

This solenoid valve was used to replace pyro valves, where "zero" leakage was essential, used to flow seawater into hydraulic actuators. 1700-101 is the non latching version of the valve. 1714-100 is a non-submersible and smaller version of 1700-100.

Other valve models available to 1-1/4" full flow ($C_v = 17$), to 10,000 psi.

By definition, flow coefficient, C_v , is the volume of water in gallons per minute at 60 deg. F that will flow through a given element with a pressure drop of 1 psi.

