



# HYDRACON SUBSEA

## Ocean Submersible Solenoid Valve

Custom designed for use in deepwater drilling control systems.

### Features:

- OCEAN SUBMERSIBLE TO 10,000 FT. OCEAN DEPTH
- CONTAMINATION TOLERANT METALLIC SEATS
- LOW POWER - 0.65 amp @ 24vdc
- HIGH RELIABILITY
- NO ADJUSTMENTS
- SUBMERSIBLE SOLENOID and CONNECTOR

### Specifications:

1. Cavity insertion pilot valve, 3 way, 2 position, normally closed, direct solenoid operated, with underwater connector.
2. Contamination tolerant metallic seats.
3. Operating fluid pressure: 3,000 psid
4. Flow:  $C_v = 0.07$
5. Internal leakage: less than 1 cc/hr.
6. Electrical: 0.65 amps @ 24 vdc
7. Ambient pressure to 10,000 ft. ocean depth (4,450 psi).
8. Size: valve stab: 1.56" long;  
solenoid: 2.25" dia. x 3.5" long, plus connector.  
Available with smaller solenoid of higher amperage.
9. Weight: 2.7 lbs.
10. Materials: stainless steels
11. Tested to 250,000 cycles with contaminated fluid.



**Model 1703-201**

Custom designed for use in deepwater drilling control systems.  
Available with smaller solenoid.

AEROSPACE TECHNOLOGIES APPLIED

[www.hydracon.com](http://www.hydracon.com)

NPA1703-201H

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