

Pump Controls

The pump controls consists of:-

1. Control Panels
 - A. Motor Instrumentation and controls
 - B. Pump pressure regulator
 - C. Foam Mixing panel
2. Controls for priming
 - A. A two-way valve to select either an electric primer or hand prime
 - B. A combined valve and switch for the electric primer.
3. Water inlet control valves.
 - A. A two-way valve for the pump inlet, selecting either the sea-chest or coupling for a suction line.
 - B. A two-way valve for the motor raw water inlet, selecting either the sea-chest or coupling for a suction line.
4. A throttle for the pump motor, usually a locking pull type (40mm dia, 130 mm out on full extent).
5. Two pressure gauges (135mm dia) for pump suction and delivery pressure.
6. Delivery control valve for foredeck manifold. It must be a non-return type such as a clack or mushroom valve.
7. Bypass delivery control valve (overboard)

Notes:-

1. The pressure regulator consists of two parts :-
 - a. A control panel
 - b. A relief (or dump) valve connected between the suction and delivery sides of the pump.

There are two 1/4" control lines and one electrical (3 wire) cable that runs between the panel and the relief valve. One line connects to the deliver side of the pump and the other connects to the relief valve.
2. The foam control panel has three lines connected to it :-
 - a. A line to the suction side of the pump
 - b. A line to the delivery side of the pump
 - c. A line to connect to the foam supply

3. The following items could be fitted to a panel under the outboard well on the port hand side :-
 1. Foam control panel
 2. Valves to control the source for the pump suction and motor raw water cooling
 3. Suction line coupling.
 4. Primer selection valve
 5. Electric prime control valve.
 6. Rear water deliver valve and Storz coupling.
4. The motor instrumentation panel is made of plastics, and although probably waterproof, could probably be easily damaged with equipment or boots. Perhaps a surround is required.