

# BERMAD Fire Protection

## P-67, 68, 70 and 71 FPSOs



Project Name / End User	P-67, P-68, P-70 and P-71 Petrobras FPSOs Topside
Project Description	Deluge Valve Skids for the Topside of the Floating Storage and Offloading (FPSO) vessel
Location	Pre-salt oil field, Brazil Offshore
Application	Bermad Pressure Control Hydraulic Deluge valve, line pressure operated for seawater service. Utilizing a pneumatic relay valve to allow remote open and close control. System is designed to protect from Ocean FPSO Green-Sea effect
Bermad Solution	36 Deluge Valves per each FPSO, Bermad models FS-400E-4DC, Ni. Al. Bronze Material of Construction
Additional Information	Bermad Elastomeric Globe Type Deluge Valve, in-line serviceable with redundancy, hydro-dynamic design provides high flow capabilities with minimum head loss. The Deluge Valves are equipped with two proximity Ex-d limit switches and local instrument panel hosed in a sealed cabinet