

Diesel Engine Driven Pumpsets for Zone 2 Hazardous Areas




High & Ultra High Pressure Technology



3no HPS2200 units, 83lpm at 1000bar, Rigsafe specification, mounted in DNV 2.7-1 / EN12079 offshore crashframes

Features

- Hughes low speed plunger pump with oil cooling, solid ceramic plungers & stainless steel pumphead
- Top brand diesel engines
- Automatic shutdown on pump fault
- Packaged for use in corrosive environments
- ATEX compliant pumps 
- Well proven globally in hazardous areas, on & offshore over tens of years
- CE marked

Build Options

- Partial flameproofing with Chalwyn valve & spark arresting exhaust silencer
- Rigsafe, as partial flameproofing but also with air start & mechanical control panel
- Zone 2 flame protected engines to limit surface temperatures to 200°C
- 316 or Duplex stainless steel pumpheads for seawater
- DNV 2.7-1/EN12079 crashframes or containers
- Sound attenuation
- ATEX compliant pumpsets



Maximum Flowrate	HP55000	806 lpm at 250 bar (214gpm at 3,625 psi)
	Ultrabar 24	23pm at 2750bar (6.1gpm at 40,000psi)
Maximum Pressure	HP55000	1400bar at 141lpm (20,000psi at 37gpm)
	Ultrabar 24	2750bar at 23lpm (40,000psi at 6.1gpm)
Maximum Power	HP55000	375 kW (500hp)
	Ultrabar 24	120kW (160hp)

Diesel engines operating in Zone 2 hazardous areas present a risk of explosion. The flame protected engines used by Hughes Pumps operate below 200°C. This lower operating temperature, combined with additional shut down features, means the equipment can be used in areas where there is a strong potential explosion hazard.

All Hughes pumps are ATEX compliant so the complete pumpset can be designed to meet European ATEX Directive Zone 2 requirements suitable for use in hazardous areas, typically oil & gas, on & offshore.



Container with doors open



HPS2000 pump driven by a Zone 2 engine



Twin HPS5000 pumps driven by Zone 2 Tier 3 engines, pumping crude oil in Kazakhstan

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