



### **Characteristics**

High pressure, multi cylinder, multi lobe common rail pump.

Electronic control of pump fuel flow.

Woodward Flow Control Valve.

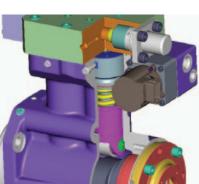
Integrated safety pressure valve.

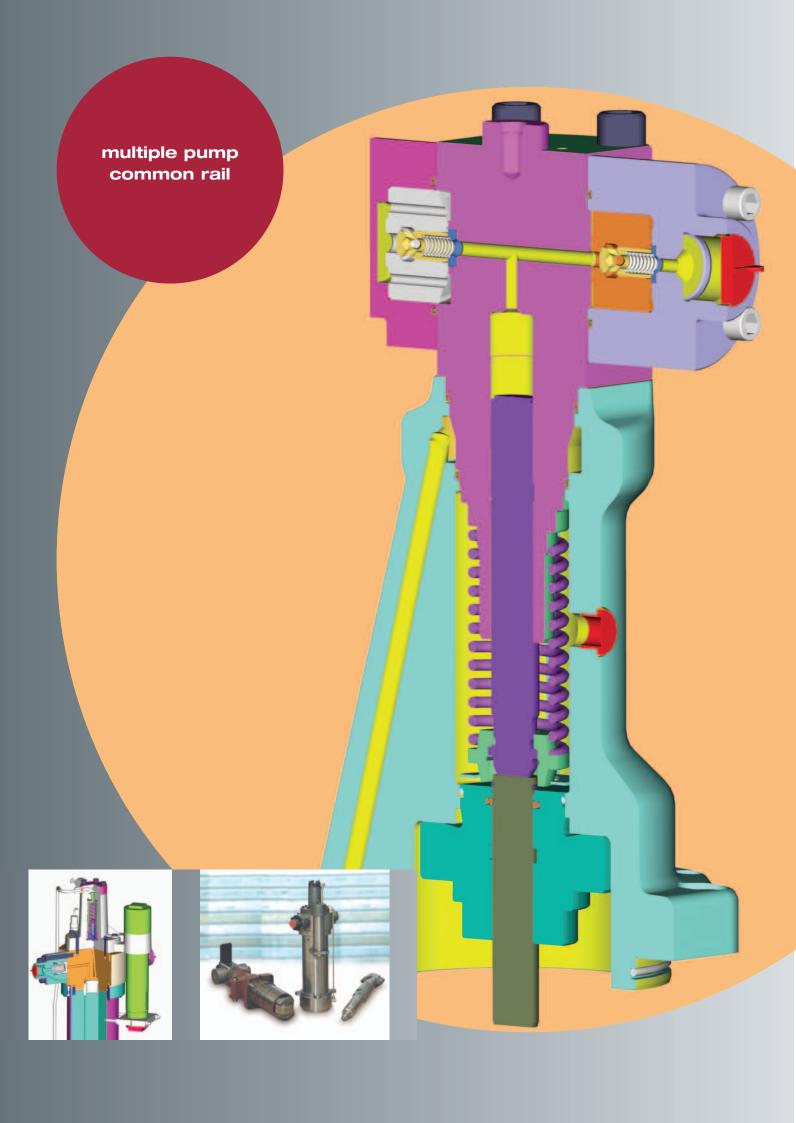
# **Operational Conditions**

Summary

Pump Flow Rate:	up to 40 l/min	
	(four cylinder pump)	
Fuel Pressure:	1800 bar	
Pump Speed:	up to 3500 RPM	
Engine Bore Diameter:	up to 320 mm	
Main Application:	Marine, Power, Machinery	











Full authority on engine electronic fuel injection control platform.

#### **Characteristics**

High performance systems consisting of distributed pumps, accumulators and injectors for heavy fuel applications on medium speed engines.

High pressure common rail system provides low smoke, low emissions and high efficiency using Heavy Fuel Oil.

Electronic control of accumulator "rail" pressure and injection.

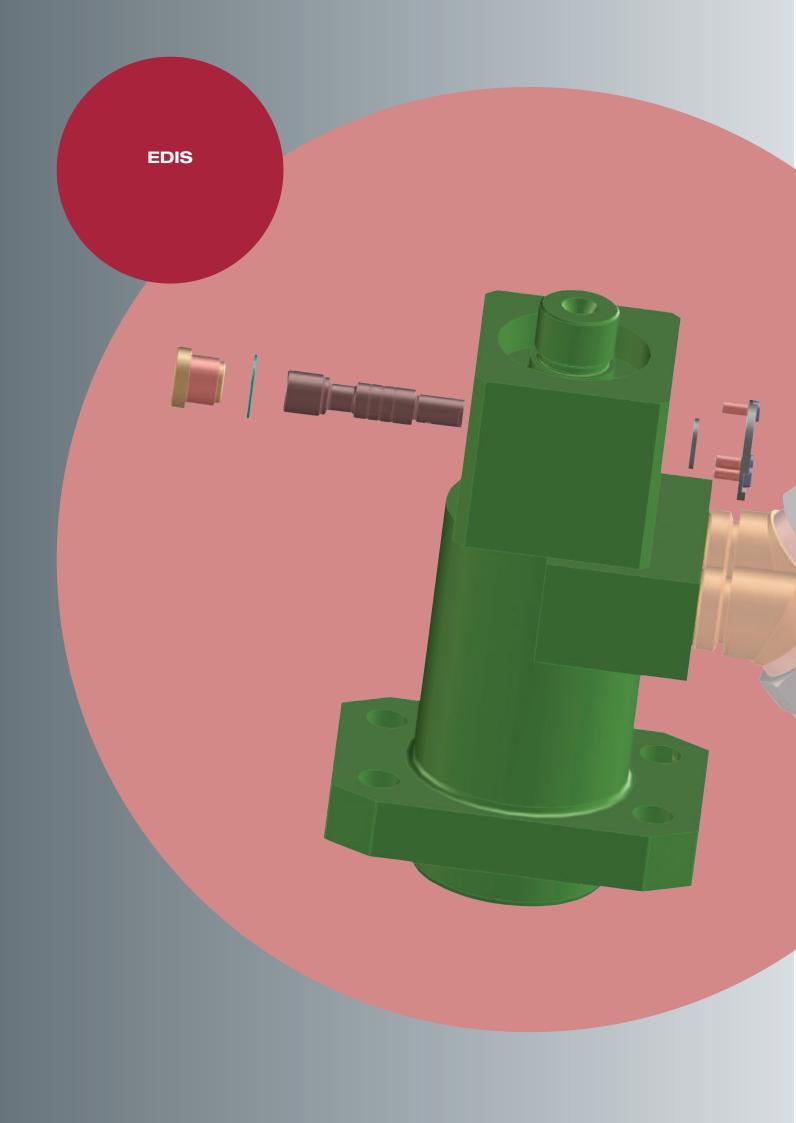
## **Operational Conditions**

Summary

Fuel Delivery:	up to 25000 mm³/stroke
Fuel Pressure:	1500 bar (operational)
	2000 bar (maximum)
Engine Speed:	up to 1000 RPM
Engine Bore Diameter:	300 to 460 mm
Power per Cylinder:	up to 1400 kW
Fuels:	HFO and Marine Diesel
Main Application:	Marine, (Power)



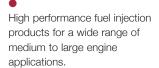






Full authority on engine electronic fuel injection control platform.

#### **Characteristics**

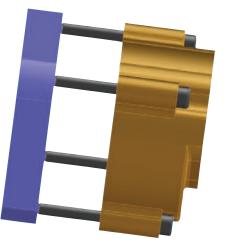


The fuel system includes the pump, pipe (double wall) and injector.

Both unit injector and pump systems.





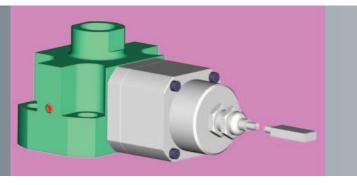




Summary

Fuel Delivery:	500 to 12500 mm3/stroke
Fuel Pressure:	up to 1800 bar
Engine Speed:	up to 1800 RPM
Engine Bore Diameter:	up to 430 mm
Power per Cylinder:	up to 1000 kW
Fuels:	HFO and diesel oil
Main Application:	Marine, Power, Rail







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Two dedicated production and development facilities in Europe.

Cheltenham, UK, covering 31,000 sq.m and Aken, Germany 32,000sq.m.