#### **REDLINE | HORIZONTAL SPLIT CASE FIRE PUMPS**

Where higher flows are required, RedLine offers Horizontal Split Case Fire Pumpset (Model RLD) with options to be electric motor or diesel engine driven. They feature capacities up to 20 000 USGPM (75 500 lit/min) covering a wide range of pressures.

With its split case design, the pump is serviceable in-line without disturbing the piping, simplifying inspection and disassembly. The impeller is a hydraulically-balanced, doublesuction, 'staggered vane' design, which ensures quiet operation, minimum vibration, low pulsation, low NPSH-required and optimum flow. With this 'balanced' construction, the thrust load is reduced, hence prolonging the life of the bearings.



#### **REDLINE | VERTICAL MULTISTAGE PUMPS**

Monoflo Linear Series (Model LN) is a range of Vertical Multistage pumps, suitable for application in Hosereel System, and as a

All wetted parts of *Linear* are produced in high quality polished pressed stainless steel, which offers excellent corrosion resistance and increased durability.

Linear comprises an extensive range of models with various number of stages to meet flowrates and pressure heads up to 1250 litres/min and 29 bars respectively.



electric (motor) and diesel (engine) driven fire pump services. They are available for both automatic and manual operation. These controllers meet or exceed the operational and functional requirements of the National Fire Protection Association Standard, NFPA 20.

The 300 Series electric controller offers various methods of starting. These include Direct-on-line, Star-Delta, Auto-trans

The 500 Series is used to start the diesel engine pump automatically during low water pressure condition, manually. It is supplied with 12V or 24V DC dual charger.







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## RedLine | RLS

REDLINE





#### General

A properly designed, installed and maintained automatic fire protection systems help save lives and properties. As a chain is as strong as its weakest link, the fire pumps has to be as reliable a component as the other equipment in the fire protection system to ensure the credibility in protecting lives and properties. Hence, compromising in the design of MONOFLO 'RedLine' fire-fighting pumps and pumpsets is not an option.

RedLine, meeting AS2941 quidelines, is specific in its design for requirements in fire protection systems, particularly in the Fire Sprinkler Systems and the Hydrant & Wet Riser System.



### RedLine Fire Pump | End Suction PumpType - Model RLS

#### **Features**

MEETING HYDRAULIC REQUIREMENTS IN THE CLASSIFICATION OF OCCUPANCIES-HAZARD GROUPS. FOR A SPRINKLER SYSTEM | The comprehensive range of End Suction Pumps, Model RLS, performs in accordance to AS2941. It is designed to meet a range of flowrates required in the various hazard group classification - the Ordinary Hazard Class for fire sprinkler systems, from OH Group 1, 2 & 3, to OH Group Special Class and Extra High Hazard.

END SUCTION 'BACK PULLOUT' PUMPS | Manufactured in high grade cast iron, this DIN24255 end suction pump is of centreline discharge design for automatic self venting. The impellers, which are dynamically balanced, are of enclosed type. Replaceable wear rings are fitted as standard. The pump shaft is fitted with a protecting sleeve, and is supported by an angular thrust type bearing on the hydrualic end and a single row deep groove ball bearing on the coupling end.

The pump features a "back pullout" design which allows the whole hydraulic assembly to be removed from the pump casing for maintenance and service without disturbing the pipework. The mounting feet is integally casted to the casing.

**PACKAGED SYSTEMS** | Redline can be supplied in a factoryassembled package fire unit comprising the pump, its driver and a controller, mounted on a common frame as an integral system. The package shall also include pressure gauges.

Controllers are factory pre-wired to the pump driver. Diesel engine driven units also include starting batteries, fuel tank and fuel lines factory-piped to and from the engine.







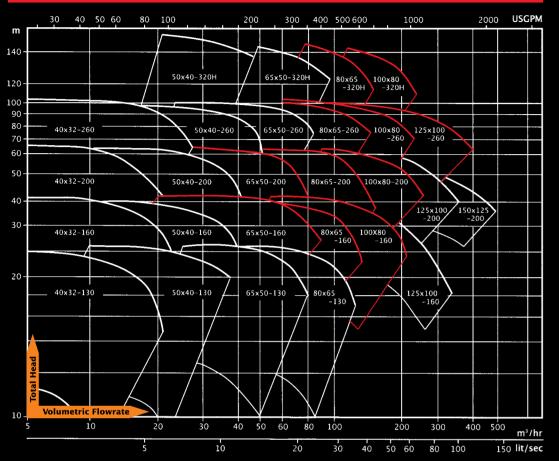




### **Performance Range**

Performance tested to ISO 9906 Class II | Test water temperature of 20°C





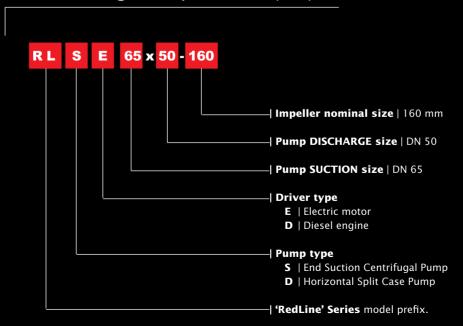
Annroved	RIS Fire	Pumns	l Hazard Cl	ass Classificati	on

	Approved the Fire Famps   Hamara etace etacemeation		
Pump model	Nominal flow rating	Driver (motor) rating	
	[lit.min]	[kW]	
RLS 65x50-160	900	5.5	
RLS 65x50-160	1150	11.0	
RLS 65x50-200	1340	15.0	
RLS 80x65-260	1500	30.0	
RLS 80x65-260	1650	37.0	
514.00.00	1700		
		11.0	
		18.5	
	2350	30.0	
RLS 100x80-260	2650	45.0	
RLS 100x80-260	2900	55.0	
RIS 80x65-160	2250	15.0	
		30.0	
		45.0	
RLS 125x100-260	3400	75.0	
RLS 125x100-260	3700	90.0	
RLS 100x80-160	2650	22.0	
RLS 100x80-200	3050	37.0	
RLS 125x100-260	3400	55.0	
RLS 125x100-260	3750	75.0	
RLS 125x100-260	4050	90.0	
	RLS 65x50-160 RLS 65x50-160 RLS 65x50-200 RLS 80x65-260 RLS 80x65-260 RLS 80x65-200 RLS 80x65-200 RLS 100x80-260 RLS 100x80-260 RLS 100x80-260 RLS 125x100-260 RLS 100x80-260 RLS 125x100-260 RLS 125x100-260 RLS 125x100-260 RLS 125x100-260 RLS 125x100-260		

#### **Technical Data**



#### **Model Designation** | For RLS fire pumpset



### **Applications**



Depend on RedLine to protect and minimise loss of properties. RedLine is installed to play critical integral role in various fire protection systems in buildings and facilities

Where Redline fire systems are installed,

**COMMERCIAL BUILDINGS** | Office buildings, co hotels, shopping malls, schools & institutions, hospitals, pr subway stations, entertainment and sports complexes.

INDUSTRIAL FACILITIES | Warehouses, mills, shipyards, chemical storage facilities and factories.

# Depend on RedL Don't Compi

#### **TYPICAL FIRE PROTECTION SYSTEMS**

FIRE SPRINKLER SYSTEMS | It is hydraulically designed in accordance with the relevant hazard class to provide an appropriate density of discharge over an assumed area of protection. When the system is activated, and adequate water supply and pressure is required, Redline is typically installed to meet this hydraulic demand.

Fire Sprinkler Systems are classified on the basis of the hazard classes of occupancies. Monoflo's AS2941-compliance RLS End Suction Pump meets these requirements - the Ordinary Hazard Class for fire sprinkler systems, from OH Group 1, 2 & 3, to OH Group Special Class.

HYDRANT & WET RISER SYSTEMS | Redline offers high-head models, capable of lifting water to higher floor levels in a typical Hydrant or Wet Riser Systems in buildings, serving landing valves, canvas hoses and hosereels.

**DELUGE SYSTEMS** 



