

Standing Guard for the Safety of Millions

Patterson Pump Ireland Ltd. specialises in the production of world class fire protection equipment round Europe. From enquiry stage, right through design, manufacturing, installation and after sales service, Patterson Pump Ireland strives to provide a quality, reliable fire protection system, at the most competitive price. EN12845 provides a pan-European standard for the design, installation and maintenance of automatic sprinkler systems, and encompasses the basic requirements set forth by local rules into one European Standard.

The new Patterson Pump End Suction product line is the latest addition to the Patterson Sentinel Range. Cost Effective and efficient, these will be used in fire pump packages specifically designed and built to comply with the regulations of European standard EN12845, along with other local rules.

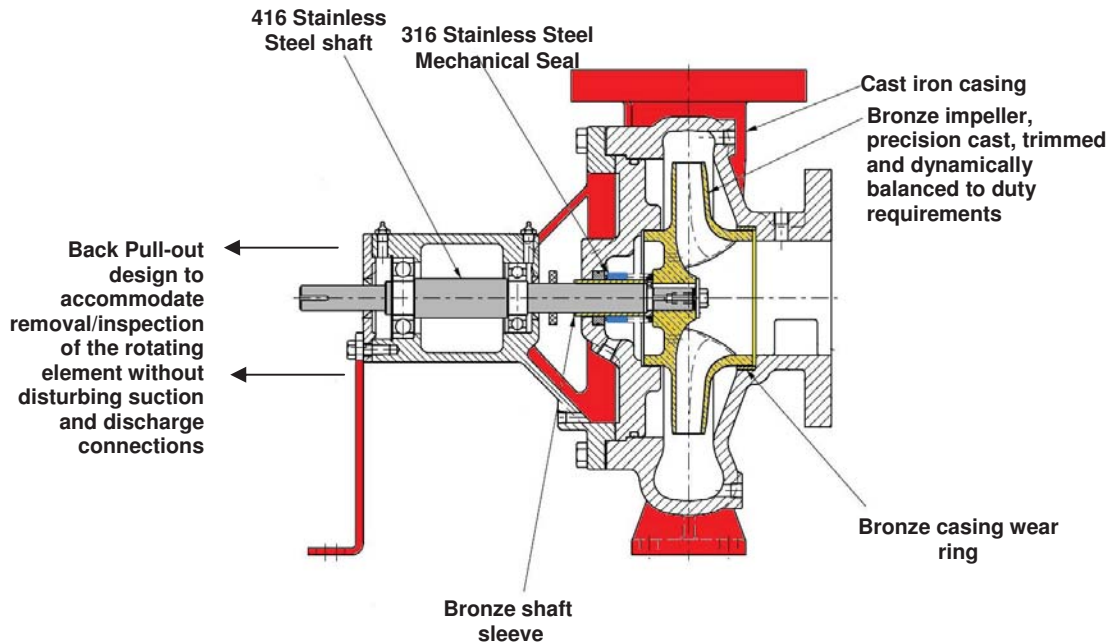


Engineered to ensure lasting quality...

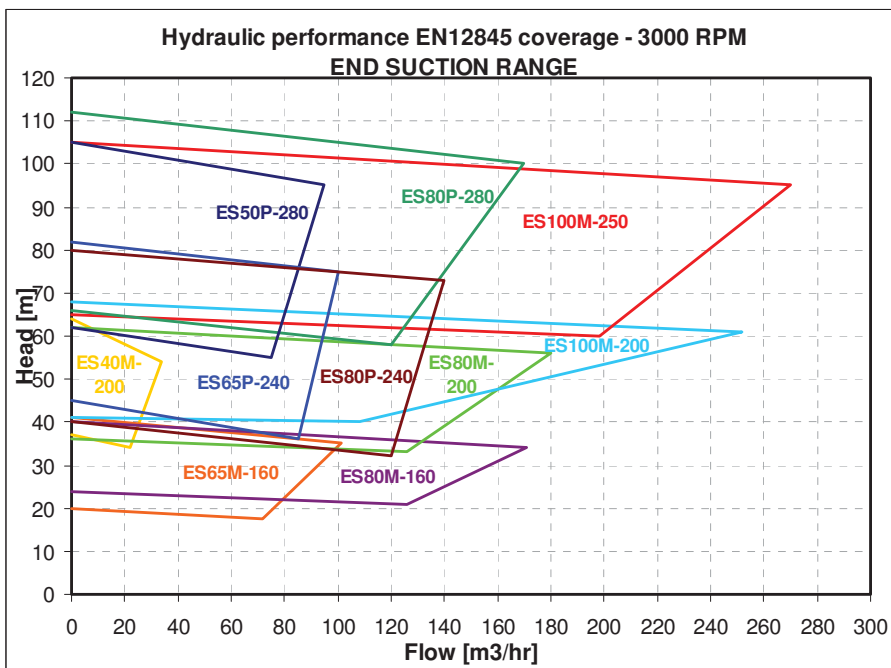
EN12845 End Suction Pumps

Features of the new End Suction pump line include

- Bronze Impeller & Shaft Sleeve
- Back Pull out design in accordance with EN 12845 section 10.1
- 416 SS Shaft
- Positively Lubricated 316SS Mechanical Seal
- Bearing housing registered directly to the casing



Along with Unrivalled Performance



Based on a maximum pump NPSH required of 5m, the Patterson End Suction product line performance ranges up to 270m³/hr, and up to 105m head.

Please note that this coverage is restricted to a maximum NPSH required of 5 meters, according to EN12845. Other Local rules will have different NPSH requirements. Please consult the factory for further information.

Patterson Horizontal Split Case pumps will be used in EN12845 approved fire pump packages for high capacity or high pressure applications.

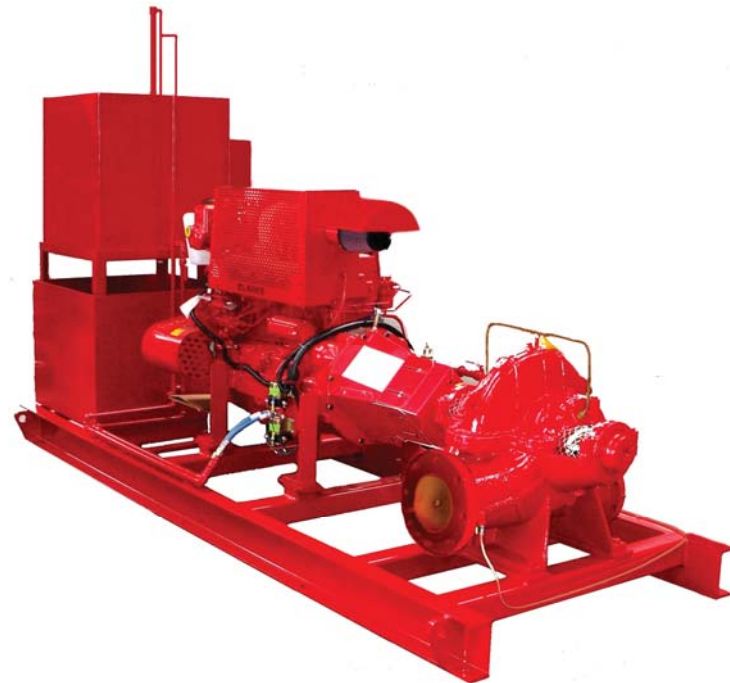
Patterson EN12845 fire pump packages will include Electric motors and Diesel engines sized according to EN12845 section 10.1b): to be capable of providing the maximum power absorbed by the pump at any stage, from zero flow to a flow corresponding to a pump NPSH required of 16m.

One fire pump package to meet all your EN12845 pumping needs

EN12845 section 10.9: Diesel driven pumpsets

Diesel Driven Fire pump packages will be mounted on one base plate comprising of the pump, driveshaft and guard, diesel engine, controller, batteries, fuel tank and spill basin.

Diesel Fire pump controllers have been specifically developed to meet and exceed the requirements of EN12845, section 10.9.11, including alarms to indicate:-Main switch in Manual or off- Engine fail to start after 6 attempts- Pump Running- Controller fault.



Diesel engines used in the Patterson EN12845 Fire pump package will be in compliance with EN12845, section 10.9.2. inclusive of: Manual and automatic starting systems- Magnetic pickup- Manual shutdown on fuel pump-Combined oil pressure switch/sender- Combined water temperature switch/sender.

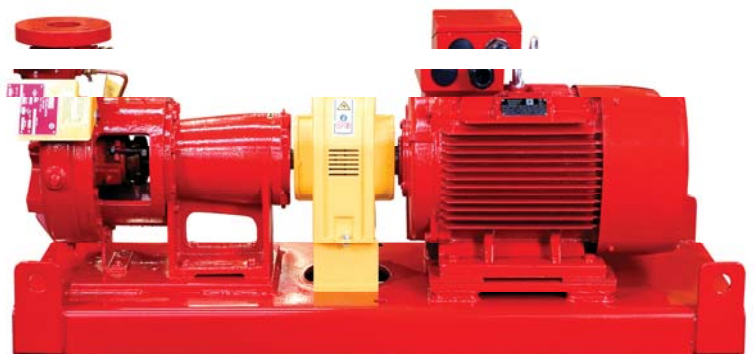
Fuel tanks will be sized for 6 hour operation, according to the selected engine fuel consumption data.

All diesel engine driven pump sets will be string tested for 1.5 hours and supplied with a manufacturer's test certificate in accordance with EN12845 section 10.9.13.1

EN12845 section 10.8: Electric driven pumpsets

Electric Driven Fire pump packages will be baseplate mounted with an IEC motor. In accordance with EN12845 section 10.1, the coupling between the driver and the pump will be a spacer type coupling, to ensure that removal of either pump or motor from the base plate is possible without disturbing the other.

Electric Fire pump controllers are in accordance with EN12845 10.8.5 and 10.8.6. Alarms include: Power failure/loss of phase- pump on demand- pump running- fail to start.



Make Patterson Pumps your first choice for Non-listed quality at the right price.

This EN12845 range is the most cost effective option for a reliable fire protection pump package. With a combination of **low cost** and the Patterson standard of **high quality** in the one product, Patterson Pumps has gained a sharper competitive edge in the European marketplace

This is a brief overview of the new Patterson Fire pump product line as a **competitive and highly efficient** part of fire pump packages in accordance with, but not exclusive to, EN12845. In the European market, Patterson Pumps will also use these pumps in packages that comply with various local rules.

Please contact us for a quotation, or for further details on our EN12845 pump line. We will be happy to help.



The Specialists in fire pump system technology

PATTERSON PUMP IRELAND LIMITED

Unit 1, Ardmore IDA Marlinstown
Business and Technology Park
Mullingar, Co. Westmeath
Ireland N91 R762
Tel +353 (0) 44 934 7078
E-Mail: info@ie.pattersonpumps.com
Website: www.ie.pattersonpumps.com