



# ITT

Lowara

## Fire fighting booster sets according to EN12845 GEN Series



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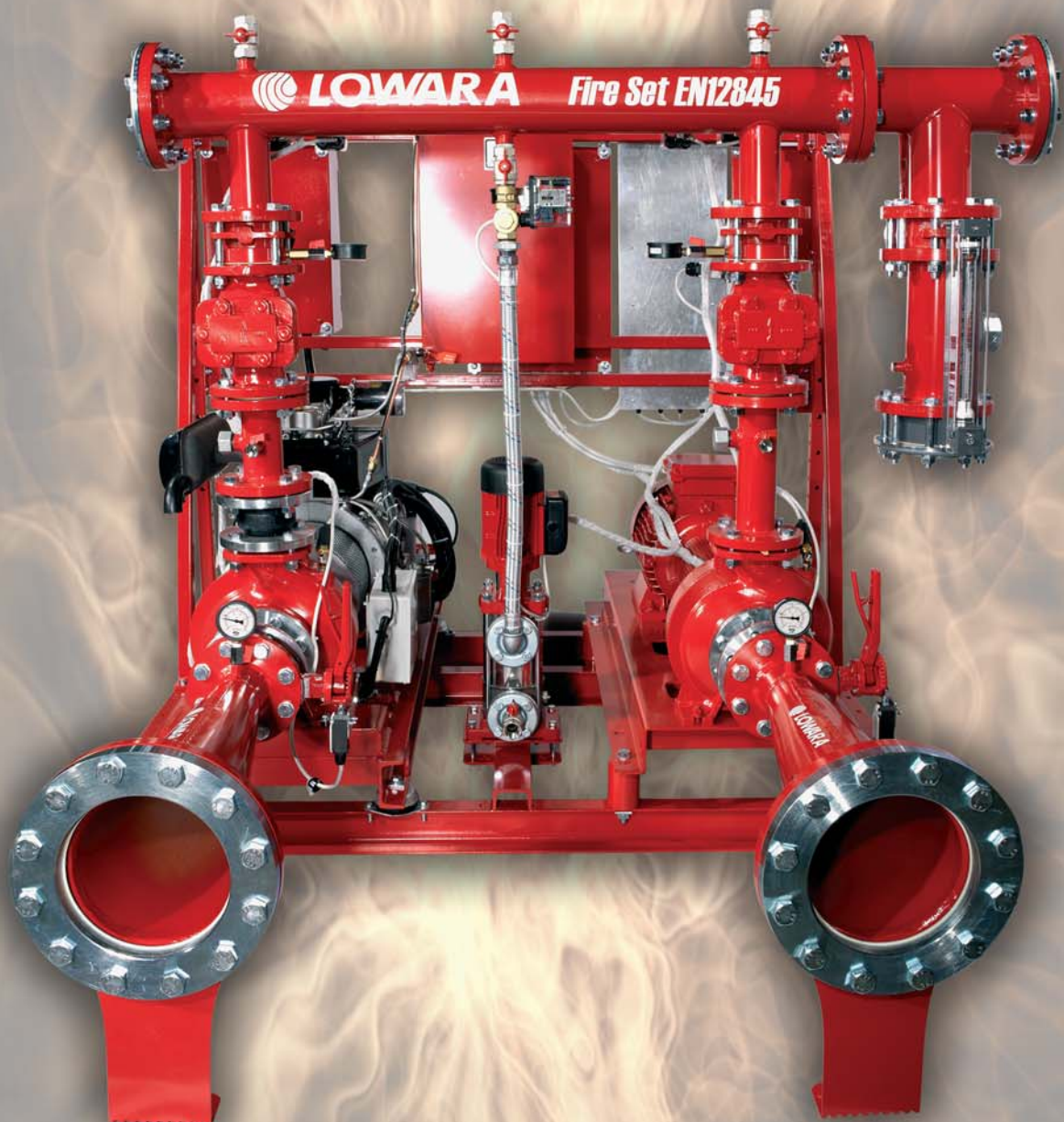
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## **FIRE FIGHTING BOOSTER SETS ACCORDING TO EN12845**

This Product Line has been specifically designed for the Fire Fighting systems according to the European Standard EN 12845 (fixed fire fighting systems – automatic sprinkler systems – design, installation and maintenance).

Each Fire Set is fitted with Lowara pumps.



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## VERSIONS AVAILABLE



### FIRE FIGHTING BOOSTER SETS WITH VERTICAL MULTISTAGE PUMPS SV SERIES

#### TECHNICAL DATA

Main pumps number	from 1 up to 2
Jockey pump	SV2/4 series
Flow up to	240 m <sup>3</sup> /h
Head up to	150 m
Power voltage	3 x 400V
Electric pump max power	37 kW
Voltage outside controls	24V
Protection grade electric panel	IP54



### FIRE FIGHTING BOOSTER SETS WITH HORIZONTAL PUMPS FH/SH SERIES

#### TECHNICAL DATA

Main pumps number	from 1 up to 2
Jockey pump	SV2/4/8 series
Flow up to	1300 m <sup>3</sup> /h
Head up to	100 m
Power voltage	3 x 400V
Electric pump max power	132 kW
Voltage outside controls	24V
Protection grade electric panel	IP54



### FIRE FIGHTING BOOSTER SETS WITH ELECTRIC PUMPS/DIESEL ENGINE PUMPS FH/SH SERIES

#### TECHNICAL DATA

Main electric pumps number	1
Diesel engine pump number	1
Jockey pump	SV2/4/8 series
Flow up to	1300 m <sup>3</sup> /h
Head up to	100 m
Electric pump power voltage	3 x 400V
Diesel engine pump power voltage	1 x 230V
Electric pump max power	132 kW
Diesel engine pump max power	145 kW
Voltage outside controls	12 - 24V
Protection grade electric panel	IP54

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Fuel tank (EN12845 10.9.6)

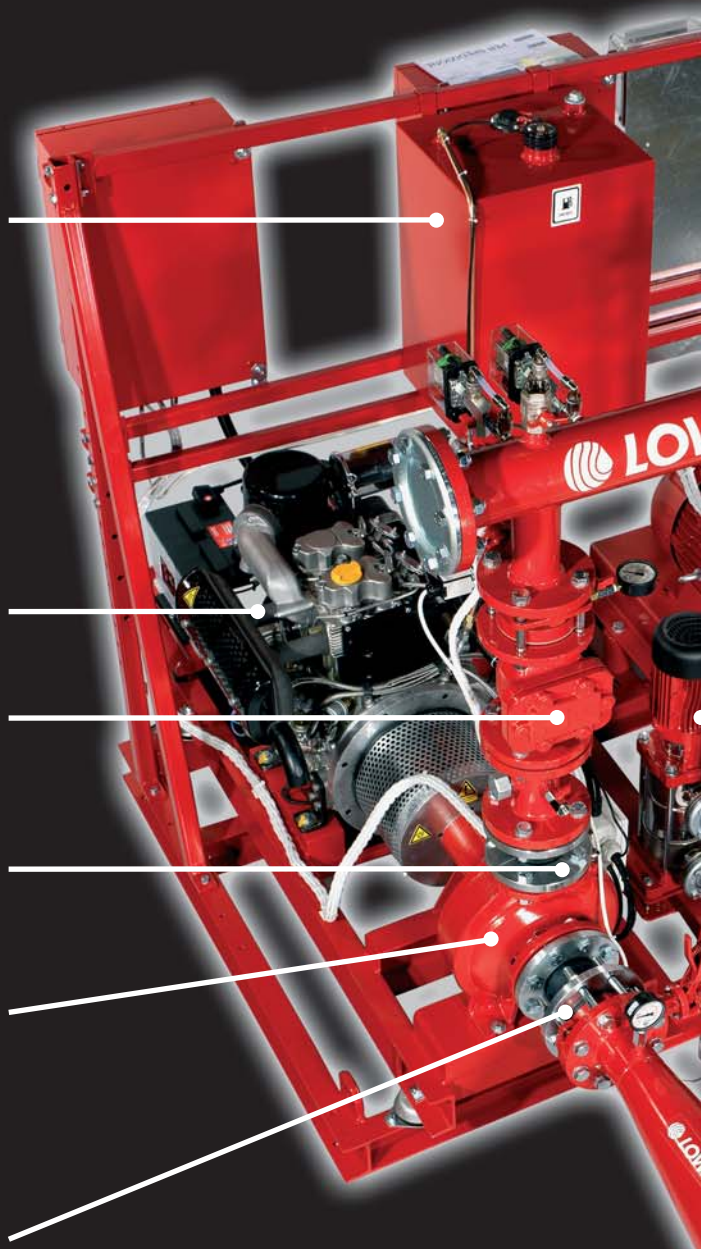
Diesel engine motor

Check valve

Flexible coupling discharge side

Pump series FH (EN12845 10.1)

Flexible coupling suction side

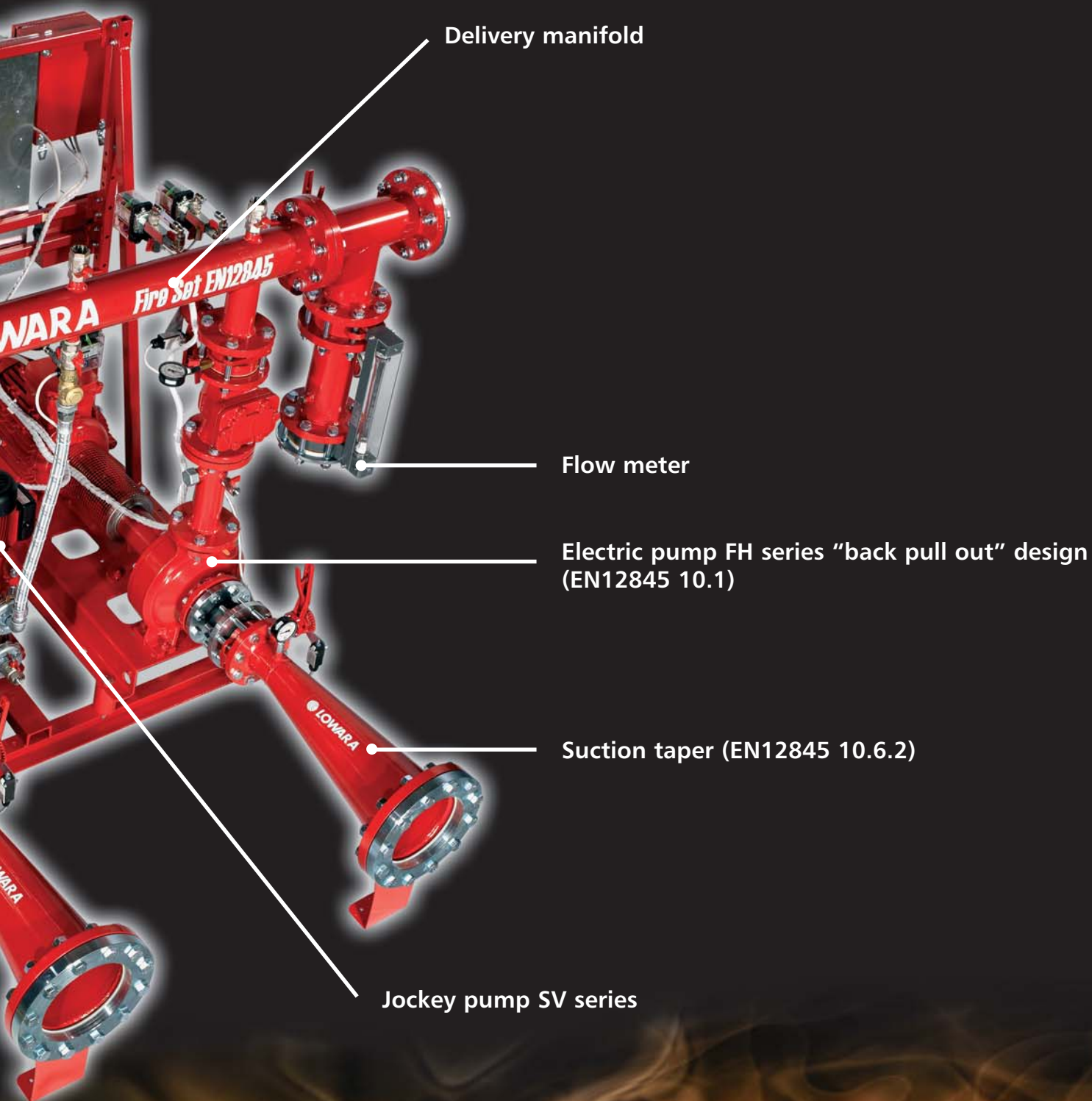


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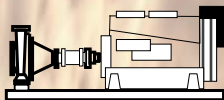
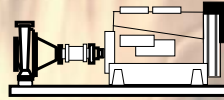
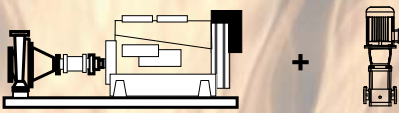
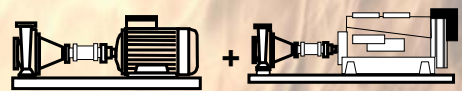
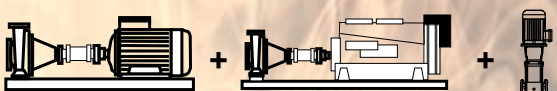






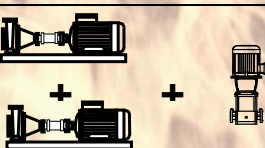

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## PRODUCT RANGE

Series	Description	Diesel engine and electric pump set	
DFHFE	Diesel engine pump		
GEN00D	Diesel engine pump set		
GEN01D	Diesel engine pump and jockey pump set		
GEN10D	Diesel engine pump and electric pump set		
GEN11D	Diesel engine pump, electric pump, jockey pump set		
Series	Description	Booster set with horizontal pumps FH/SH series	Booster set with vertical multistage pump SV series
GEN10	Electric pump set		
GEN11	Electric pump and jockey pump set		
GEN20	Two main electric pumps set		
GEN21	Two main electric pumps and jockey pump set		

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## WHAT IS THE STANDARD EN12845?

The European Standard EN12845 has been approved by CEN (European Committee for Standardization). CEN members are bound to comply with the CEN/CENELEC Internal regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration. According to the CEN/CENELEC Internal Regulations, the national standard organizations of the following Countries are bound to implement this European Standard:

- Austria
- Belgium
- Cyprus
- Czech Republic
- Denmark
- Estonia
- Finland
- France
- Germany
- Greece
- Hungary
- Ireland
- Iceland
- Italy
- Latvia
- Lithuania
- Luxembourg
- Malta
- Netherlands
- Norway
- Poland
- Portugal
- Slovakia
- Slovenia
- Spain
- Sweden
- Switzerland
- UK



### WHAT IS NEW?

This standard specifies requirements and gives recommendations for the design, installation and maintenance of fixed fire sprinkler systems in buildings and industrial plants. This standard includes also particular requirements for sprinkler systems, requirements which are requested for **life protection**.

This European Standard is based on the experience of good engineering rules from several European Countries and establishes several safety guarantees. The Standard EN12845 is the first step towards an attempt of European harmonization.

The Fire Set designed and assembled according to the European Standard EN12845 provides a **higher degree of reliability**.

This European Standard, shall be given the status of a national standard, either by publication of an identical text or by endorsement, and conflicting national standards shall be withdrawn at the latest by September 2007.

The European Standard EN12845 has been translated in Italian language and has replaced the previous Standard UNI 9489 UNI 9490 (Fire Fighting equipment – Water supply for automatic fire fighting systems).

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