سيبكا
SIBCA

FIRE
PUMPS

2024

V1

EMPOWER YOUR FIRE SAFETY: INTRODUCING SIBCA`S PREMIUM FIRE PUMP SYSTEMS

INTRODUCTION

Experience Unrivaled Fire Safety with SIBCA`s Fire Pump Systems

As the cornerstone of fire defense, fire pump systems are indispensable in all establishments. At SIBCA, we adhere to international standards and hold UL and FM certifications to guarantee optimal safety.»

Our products are meticulously crafted at our cutting-edge manufacturing facility in Abu Dhabi, UAE, spanning over 40,000 square meters. Here, we boast a fully equipped testing facility that complies with UL, FM, and NFPA 20 standards for comprehensive pump testing.

Each SIBCA fire pump system undergoes rigorous quality assurance and testing processes to ensure it surpasses the required compliance standards, providing you with unmatched peace of mind.

OUR GOAL IS TO ENHANCE GLOBAL SAFETY

To support SIBCA's vision of enhancing global safety, it has alloted a 40,000 square meter manufacturing facility with the state-of-the-art technology to meet global standards and requirements.

Focus on High Quality

SIBCA products have undergone rigorous certification and listing processes, receiving approval from esteemed organizations such as Underwriters Laboratories (UL) in the United States and the British Standards Institution (BSI) in Europe. Moreover, these products are manufactured adhering to stringent international quality and environmental management standards and requirements. This commitment ensures that SIBCA maintains consistently high levels of product excellence and sustainability throughout its manufacturing processes.

Environment Friendly Technology

SIBCA's condensed aerosol technology is EPA-listed as an ozone-depleting substance substitute, boasting zero ozone-depletion potential. This recognition highlights SIBCA's dedication to environmental responsibility and innovative solutions, contributing to global efforts in ozone layer protection.

Cost Effective & Practical

SIBCA systems are pre-engineered and require minimal maintenance costs throughout certified product
life. Their compact design makes them an ideal solution for even the most technically challenging projects.

Support & Expertise

In the tightly regulated fire suppression market, SIBCA aligns its products with the latest information on fire engineering standards and applications, backed by worldwide support. SIBCA's extensive global distribution network consists of proficient and certified professionals who are prepared to handle the design, supply, installation, and maintenance of the complete range of SIBCA products.

GUARD
Fire Fighting Equipment Manufacturers

CENTRIFUGAL
END SUCTION

Description

Centrifugal fire pump is designed according to NFPA 20 for firefighting applications with latest technology and has premium components for easy maintenance and absolute efficiency.

Features

- Available in electric motor driven or engine driven configuration
- Dynamically balanced impellers
- Impeller design with excellent hydraulic characteristics
- Backpull out design
- Easy installation maintenance
- Replaceable casing wearing rings
- Dynamically balanced shaft
- Bearing having built with ball bearings for smooth operation

Centrifugal Fire Pumps, End Suction

See General Information for Centrifugal Fire Pumps

USE AND INSTALLATION

This category covers end-suction centrifugal fire pumps intended to deliver the capacities and net head pressures shown in the individual certifications. Requirements for installation and use of these pumps are contained in NFPA 20, "Installation of Stationary Pumps for Fire Protection." Requirements for the periodic inspection, testing and maintenance of these pumps are contained in NFPA 25, "Inspection, Testing, and Maintenance of Water-Based Fire Protection Systems."

These pumps are intended to be installed with the shaft in the horizontal position.

The maximum working pressure (psi) is the maximum pressure that is permitted to be developed at the discharge flange under any operating condition. The maximum working pressure values indicated in the individual certifications are the maximum for a given model designation. The ratings indicated in the individual certifications, as well as those marked on the pump, are not to be exceeded.

The rated speed marked on the pump by the manufacturer may vary within ±4% of rated speed referenced in the individual certifications.

Where the pump flange pressure rating is less than the maximum allowable discharge head pressures shown in the individual certifications, the flange rating is to prevail.

FACTORS NOT INVESTIGATED

Where the fire pump nameplate includes additional information that references the manufacturer/serial number of the controller and driver that are intended to be used with the pump, the connection, sizing and compatibility of the controller and driver referenced for use with the fire pump has not been investigated by UL. The suitability of the controller and driver should be investigated in accordance with NFPA 20.

PRODUCT IDENTITY

The following product identity appears on the product:

Centrifugal Fire Pump - End Suction

ADDITIONAL INFORMATION

For additional information, see Centrifugal Fire Pumps (QWWQ) and Fire Protection Equipment (AAFP).

REQUIREMENTS

The basic standard used to investigate products in this category is ANSI/CAN/UL 448, "Centrifugal Stationary Pumps for Fire-Protection Service."

UL MARK

The Certification Mark of UL on the product is the only method provided by UL to identify products manufactured under its Certification and Follow-Up Service. The Certification Mark for these products includes the UL symbol, the words "CERTIFIED" and "SAFETY," the geographic identifier(s), and a file number.

Alternate UL Mark

The Listing Mark of UL on the product is the only method provided by UL to identify products manufactured under its Listing and Follow-Up Service. The Listing Mark for these products includes the UL symbol (as illustrated in the Introduction of this Directory) together with the word "LISTED," a control number, and the product name "Centrifugal Fire Pump - End Suction."

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Last Updated on 2017-02-22

Centrifugal Fire Pumps, End Suction

COMPANY

SIBCA Electronic Equipment Company Limited-Sole Proprietorship LLC
Sibca Building, Al Khalidya Behind Etisalat T&A
Abu Dhabi, P.O. BOX 46944 United Arab Emirates

EX29366

Trademark and/or Tradename: سيبكا SIBCA

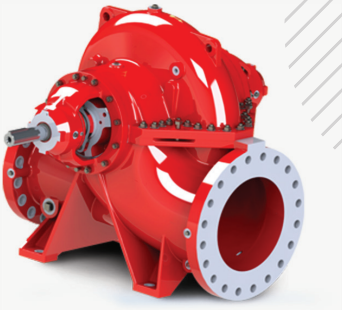
Note: For additional marking information, refer to the Guide Information Page.

View model for additional information

Centrifugal Fire Pumps, End Suction, Model(s): VES 100-200, VES 100-250, VES 100-315, VES 40-250, VES 50-250, VES 65-250, VES 80-200, VES 80-250, VES 80-315, VESD 150-100-200, VESD 150-100-315

Last Updated on 2024-12-10

CENTRIFUGAL FIRE PUMP
SPLIT CASE



UL LISTED

Description

Split Case Pump is a single stage, non-self-priming, centrifugal volute pump with radial suction and discharge port. This pump has a horizontal pump shaft with the impeller placed in the middle of the shaft and with self contained combination bearing housing and seal chamber on both sides of the impeller. Without disturbing the motor or pipe-work, the split case construction enables the pump casing to be dismantled in the horizontal plane along the drive shaft. Removal and dismantling of the internal pump parts e.g. bearings, wear rings, impeller and shaft seal can then take place.

Features

- In line pump
- Double suction
- Low NPSH
- Low axial load on the shaft
- Improved efficiency (overall higher efficiency)
- Low radial load on the shaft
- Low axial and radial loads extends wear ring, seal and bearing life, minimize vibration and provides quiet operation
- Easy service bearing and packing gland can be changed without removing the top casing half

Centrifugal Fire Pumps, Split Case

See General Information for Centrifugal Fire Pumps

USE AND INSTALLATION

This category covers split-case pumps intended to deliver the rated capacities and net head pressures shown in the individual certifications. Requirements for installation and use of these pumps are contained in NFPA 20, "Installation of Stationary Pumps for Fire Protection." Requirements for the periodic inspection, testing and maintenance of these pumps are contained in NFPA 25, "Inspection, Testing, and Maintenance of Water-Based Fire Protection Systems."

These pumps are of the configurations that have the casing split axial or radial to the shaft. Pumps with the casing split radial to the shaft are noted as such in the individual certifications. These pumps are intended to be installed with the shaft in the horizontal position, unless specifically indicated in the individual certifications that the pump is designed for installation in the vertical position.

The maximum working pressure (psi) is the maximum pressure that is permitted to be developed at the discharge flange under any operating condition. The maximum working pressure values indicated in the individual certifications are the maximum for a given model designation. The ratings indicated in the individual certifications, as well as those marked on the pump, are not to be exceeded.

The rated speed marked on the pump by the manufacturer may vary within ±4% of rated speed referenced in the individual certifications.

Where the pump flange rating is less than the maximum allowable discharge head pressure shown in the individual certifications, the flange rating is to prevail.

Authorities Having Jurisdiction should be consulted before installation.

FACTORS NOT INVESTIGATED

Where the fire pump nameplate includes additional information that references the manufacturer/serial number of the controller and driver that are intended to be used with the pump, the connection, sizing and compatibility of the controller and driver referenced for use with the fire pump has not been investigated by UL. The suitability of the controller and driver should be investigated in accordance with NFPA 20.

PRODUCT IDENTITY

The following product identity appears on the product:

Centrifugal Fire Pump - Split Case

ADDITIONAL INFORMATION

For additional information, see Centrifugal Fire Pumps (QWWQ) and Fire Protection Equipment (AAFP).

REQUIREMENTS

The basic standard used to investigate products in this category is ANSI/CAN/UL 448, "Centrifugal Stationary Pumps for Fire-Protection Service."

UL MARK

The Certification Mark of UL on the product is the only method provided by UL to identify products manufactured under its Certification and Follow-Up Service. The Certification Mark for these products includes the UL symbol, the words "CERTIFIED" and "SAFETY," the geographic identifier(s), and a file number.

Alternate UL Mark

The Listing Mark of UL on the product is the only method provided by UL to identify products manufactured under its Listing and Follow-Up Service. The Listing Mark for these products includes the UL symbol (as illustrated in the Introduction of this Directory) together with the word "LISTED," a control number, and the product name "Centrifugal Fire Pump - Split Case."

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Last Updated on 2017-02-22

Centrifugal Fire Pumps, Split Case

COMPANY

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EX29365

Trademark and/or Tradename: سيبكا SIBCA

Note: For additional marking information, refer to the Guide Information Page.

View model for additional information

Centrifugal Fire Pumps, Split Case, Single Stage, Model(s): VSC5-80-350, VSC8-150-310, VSC8-150-330, VSC8-150-600, VSP125-290, VSP150-290, VSP150-360

Last Updated on 2024-12-10

CENTRIFUGAL FIRE PUMP
VERTICAL TURBINE

LISTED

Description

Vertical turbine pumps are popluar and versatile for fire applications and not limited to undergound operations.

Features

- Stuffing box with gland pacing
- Casted discharge head
- Flanged end column pipes
- Bearing holder for shaft alignment and support
- High efficiency
- Maintenance and durability
- Strainers are available to provide protection from large solids
- Hydraulic balance impeller

Centrifugal Fire Pumps, Vertical Turbine

See General Information for Centrifugal Fire Pumps

USE AND INSTALLATION

This category covers vertical shaft turbine-type fire pumps intended for use in conditions where the source of water is below ground level.

These pumps are intended to deliver the rated capacities and net head pressures shown in the individual certifications. Requirements for installation and use of these pumps are contained in NFPA 20, "Installation of Stationary Pumps for Fire Protection." Requirements for the periodic inspection, testing and maintenance of these pumps are contained in NFPA 25, "Inspection, Testing, and Maintenance of Water-Based Fire Protection Systems."

Manufacturers may furnish pumps with oil-lubricated or water-lubricated line shafts except as noted.

The rated speed marked on the pump by the manufacturer may vary within ±4% of rated speed referenced in the individual certifications.

FACTORS NOT INVESTIGATED

Where the fire pump nameplate includes additional information that references the manufacturer/serial number of the controller and driver that are intended to be used with the pump, the connection, sizing and compatibility of the controller and driver referenced for use with the fire pump has not been investigated by UL. The suitability of the controller and driver should be investigated in accordance with NFPA 20.

PRODUCT IDENTITY

The following product identity appears on the product:

Centrifugal Fire Pump - Vertical Turbine

ADDITIONAL INFORMATION

For additional information, see Centrifugal Fire Pumps (QWWQ) and Fire Protection Equipment (AAFP).

REQUIREMENTS

The basic standard used to investigate products in this category is ANSI/CAN/UL 448, "Centrifugal Stationary Pumps for Fire-Protection Service."

UL MARK

The Certification Mark of UL on the product is the only method provided by UL to identify products manufactured under its Certification and Follow-Up Service. The Certification Mark for these products includes the UL symbol, the words "CERTIFIED" and "SAFETY," the geographic identifier(s), and a file number.

Alternate UL Mark

The Listing Mark of UL on the product is the only method provided by UL to identify products manufactured under its Listing and Follow-Up Service. The Listing Mark for these products includes the UL symbol (as illustrated in the Introduction of this Directory) together with the word "LISTED," a control number, and the product name "Centrifugal Fire Pump - Vertical Turbine."

* *

Last Updated on 2017-02-22

Centrifugal Fire Pumps, Vertical Turbine

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EX29440

Trademark and/or Tradename: سيبكا SIBCA

Note: For additional marking information, refer to the Guide Information Page.

View model for additional information

Centrifugal Fire Pumps, Vertical Turbine, Model(s): SVT 10.8-16.9, SVT 13.4-18.1, SVT 3.1-5.7, SVT 3.9-6.1, SVT 4.9-7.1, SVT 5.7-10.6, SVT 5.9-10.4, SVT 5.9-8.5, SVT 6.3-9.0, SVT 6.7-12.0, SVT 7.3-13.2, SVT 7.9-13.8, SVT 8.9-15.7, SVT 9.8-15.7

Last Updated on 2024-12-10

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