

NMFiRE



**SAFETY ISN'T
EXPENSIVE
IT'S PRICELESS**

生命无价



The Great Chicago Fire of 1871 marks a significant moment in the global history of firefighting. This catastrophic event resulted in devastating losses for the city of Chicago, highlighting the enormous risks that fire disasters posed to the modernization and industrial development of American cities at the time.

Recognizing the need for improved fire protection, the U.S. government and various institutions-initiated studies to address these challenges. This effort led to the founding of FM (Factory Mutual) in 1886, UL (Underwriters Laboratories) in 1894, and NFPA (National Fire Protection Association) in 1896. These organizations played a critical role in shaping fire safety by establishing technical standards and implementing strict certification processes for firefighting products. Over time, a structured approval system emerged, primarily led by insurance companies, ensuring that fire protection products met stringent safety and performance requirements.

This model evolved into a secure, reliable, and effective system. Insurance companies provided property insurance to clients while UL and FM focused on scientific research into fire prevention technologies, defined rigorous technical standards, conducted testing and certification for manufacturers, and monitored production processes. Meanwhile, NFPA was responsible for formulating system standards to ensure the proper installation and operation of certified fire protection products. Insurance companies subsequently required customers to select UL/FM-certified products, representing the highest global firefighting standards, and to install and maintain systems according to NFPA guidelines to ensure safety and reliability. This framework created a complete and effective closed-loop management system, significantly reducing the risk of fires. Over nearly 150 years, FM Global, the world's largest commercial property insurer, has demonstrated through extensive application and testing that automatic sprinkler systems can dramatically reduce fire-related losses. These systems are now the most widely used fire suppression technology worldwide. Fire pumps, as key components of automatic sprinkler systems, ensure an adequate water supply to firefighting equipment. If fire pumps fail to operate reliably, they become the weakest link in the entire firefighting system and, in severe cases, can lead to uncontrollable fires, resulting in significant damage.

During fire emergencies, power failures often render electric motor-driven fire pumps inoperable. Diesel engine-driven fire pumps serve as the last line of defense, making their role in NFPA 20 systems even more crucial. Due to their importance, these pumps must meet higher reliability standards. Diesel engine-driven fire pumps are also the most technically challenging to certify and are the most expensive component in the system, accounting for approximately 50% of the total system cost. Due to the high level of technical expertise required, only a few companies worldwide have successfully obtained UL/FM certification for firefighting diesel engines. For nearly a century, fire pump manufacturers had limited options—they had to source diesel engines from a select number of certified manufacturers, limiting their control over costs, delivery times, and after-sales service.

After a decade of dedicated effort, the NMFIRE team overcame numerous challenges and successfully obtained UL/FM certification for multiple NFPA 20 system components, including fire pumps, couplings, and gearboxes. Most notably, they achieved UL/FM certification for firefighting diesel engines, breaking the traditional business model in which pump manufacturers were dependent on third-party diesel engine suppliers. This breakthrough provides customers with greater flexibility and better choices. NMFIRE's exceptional products and expert team continue to inject new energy into the global firefighting industry, contributing to a safer and more secure world.

NMFIRE — No More Fire.

芝加哥大火，是世界消防史上最具里程碑式的标志性事件。发生在 1871 年的这场灾难，让芝加哥市损失惨重！

火灾已经给当时美国现代化城市与工业发展带来了巨大的风险与挑战。美国政府与相关机构开始研究如何应对面临的一切，成立于 1886 的 FM、1894 年的 UL、1896 年的 NFPA，陆续制定出相关产品技术标准，并开始对所有消防产品实行严格的认证管理。逐步建立了以保险公司为主体的消防产品认证准入制度，将消防的管理形成了一种安全、可靠且有效的商业模式：即保险公司为客户承担财产保险，UL 与 FM 负责研究科学有效的防火技术，制定产品技术标准，并对生产厂家的相关产品进行测试认证及生产过程监控，NFPA 负责制定相关的系统标准，将取得认证的合格产品进行正确的系统安装，确保现场得到有效保护。保险公司要求用户必须选择代表全球消防最高标准的 UL/FM 认证产品，并且按照 NFPA 标准规范进行安装与维护，确保系统在任何时候都是安全可靠的。这样的商业模式，形成了一个完整且有效的闭环管理系统，大大地降低了火灾风险。

全球最大的商业财产保险公司 FM Global 通过近 150 年来的使用和测试证明：固定安装在建筑物内部的自动喷淋系统，能十分有效地减少火灾造成的损失，是目前全球消防领域使用最为普遍的灭火系统与技术。消防泵是为自动喷淋系统中的其他辅助消防设备提供用水、发挥灭火作用的关键设备，因此必须具有可靠的性能。倘若它不能正常工作，将会沦为整个消防体系中最薄弱的环节，严重者会导致火场失控，从而造成重大的火灾损失。

火灾发生后，往往会造成停电，这时电机驱动的消防泵会失效，柴油机驱动的消防泵成为了最后一道防线。所以 NFPA20 系统中，柴油机驱动消防泵的作用会更加重要。对其可靠性要求自然也会更高。该系统中，消防柴油机除了认证技术难度最大外，同时也是价值最贵的部件（其成本占了系统 50% 左右），由于技术难度太高，全球只有极少数的企业取得消防柴油机的认证。所以过去近百年来，消防泵企业没有太多选择，他们都必须向有认证的这几家柴油机厂购买柴油机来完成自己客户的订单，这样无论是成本、交货期，还是售后服务等，泵厂都会无法自己控制。

经过十年时间的艰苦努力，安美团队克服了无数艰难险阻，不但成功取得了 NFPA20 系统中消防泵、联轴器、齿轮箱等多个部件的 UL/FM 认证，同时还成功地取得了消防柴油机这个关键设备的 UL/FM 认证，彻底打破了该领域泵厂必须外购柴油机的传统经营模式，让客户有了更多更好的选择。NMFIRE 的优秀产品与团队，将为全球消防行业注入新的能量，为创造一个更加安全美好的世界，贡献自己的力量。

NMFIRE——No More Fire.



Liu Weiping

President And General Manager Of NMFIRE
FM Approvals Global Advisory Council Membership

刘卫平

安美董事长兼总经理
FM 全球咨询委员会委员

NO MORE FIRE

肖鹏
Xiao Peng

何欣
He Xin

谭新宇
Tan Xinyu

李凯新
Li Kaixin

童淳光
Tong Chunguang

刘琴
Liu Qin

徐达
Xu Da

刘卫平
Liu Weiping

李希春
Li Xichun

吴狄钦
Wu Diqin

黄密军
Huang Mijun

刘宇嘉
Liu Yujia

薛亦夫
Xue Yifu

陈海中
Chen Haizhong

莫康山
Mo Kangshan

杨光福
Yang Guangfu





NM FIRE



NMFIRE FIGHTING SYSTEM CO., LTD was established in Changsha, Hunan Province, in 2013. Our company manufactures diesel engine-driven fire pumps, electric motor-driven fire pumps, NFPA 20 fire pump packages, and UL/FM containerized pump stations that meet both domestic and international fire protection standards. With years of investment, NMFIRE has obtained domestic and international fire protection certifications years ahead of any other Chinese manufacturer.

NMFIRE is the first NFPA (National Fire Protection Association) member in China's pump industry and the only Chinese company among the members of EFSN (European Fire Sprinkler Network). We are the first company in China to receive both UL and FM certifications and the only company in the world to manufacture UL/FM-certified fire pumps and UL/FM-certified diesel engines. Our company played a key role in revising China's fire pump industry standards. Our product technology and certification range are leading in both the domestic and global marketplaces.

UL/FM certifications are very difficult to obtain—not only from a technological standpoint but also due to the significant capital investment required. Globally, very few companies have the resources to enter this field. After twelve years of hard work by the entire NMFIRE team, our company has built a complete fire pump solution that is competitive in both efficiency and pricing, making it well-positioned to fully enter domestic and international markets.

As UL, FM, and NFPA become global standards, NMFIRE stands ready to offer comprehensive solutions. As China undergoes further reform, with new domestic markets opening up and foreign insurance companies entering the country, greater opportunities will arise for these advanced safety standards to be adopted in China. China needs to connect with the world, and a safer motherland is the dream of all Chinese people.

湖南南方安美消防设备有限公司成立于 2013 年，公司位于湖南长沙。主要生产符合国内、国际消防标准，且具有国内、国际相关消防认证的柴油机消防泵、电机消防泵、NFPA20 撬装机组和 UL/FM 消防货柜泵站。

公司是中国泵行业首家美国 NFPA 消防协会会员厂，也是 EFSN 欧洲喷淋协会会员中，唯一的一家中国企业。是国内首家同时取得美国消防泵 UL 和 FM 认证的企业。是目前全球唯一一家同时拥有消防泵和消防柴油机两个重要消防产品 UL/FM 双认证的企业。是中国消防泵行业多个国家标准的主要参编单位。其产品技术水平和认证参数范围，在国内乃至全球同行中均处于领先水平。

产品要取得美国 UL/FM 认证，对企业无论是技术还是资金的门槛要求都极高，全球范围内有能力最终进入这个领域的企业寥寥无几。通过 12 年来安美团队辛苦的付出，公司已经具备全面进军国内外市场的竞争能力。

随着中国“一带一路”走出国门的战略不断深入，作为世界通行的 UL/FM/NFPA 标准正被越来越多的中国企业所了解和采用。同时中国的进一步改革开放，外资保险公司的进入，也为这些先进的安全标准更多的在中国采用提供了可能，中国需要和世界接轨，一个更加安全的祖国也是所有中国人的梦想。

UL, FM, and NFPA are globally recognized safety standards with more than 100 years of experience.

FM Global's fire loss statistics show that the average fire loss in a property with sprinklers is less than 20% of that in locations without sprinklers. With over a century of experience, automatic sprinkler protection remains the most effective defense against fire. As such, the fire pump is the heart of a fire protection system, and its reliability, rapid response, and advanced technology are crucial for safeguarding lives and property.

With the support of multinational engineers who have over 20 years of professional experience, the NMFIRE technical team fully understands the requirements of fire protection systems. They have overcome challenges, mastered technical complexities, and pioneered industry advancements—becoming the first in China to achieve significant breakthroughs and opening up new opportunities for fire protection research and technology.

Fire protection is the last line of defense for life and property. This field requires strict adherence to technical, quality, and testing standards, as specified in UL/FM product regulations.

By thoroughly studying and understanding these standards, our company has invested substantial resources in research and development. Through continuous innovation, we have developed state-of-the-art technologies. Our pumps and diesel engines have reached world-class standards. The research and development of these two critical components have put an end to the longstanding domestic practice of using uncertified, ordinary water pumps and diesel engines in life safety applications. This breakthrough has transformed the technological landscape of the industry in China and positioned NMFIRE as a market leader.

作为世界公认的一流技术标准，UL/FM 与 NFPA 标准的可靠性与先进性源于它们一百多年的历史。

FM Global 通过对火灾损失的统计发现，在充分受到喷淋系统有效保护的场所，平均每起火灾事故的损失不到未受喷淋系统有效保护场所火灾损失的 20%。经过一百多年的使用证明，自动喷淋系统是一种有效可靠的灭火设备。消防泵作为消防系统的核心设备，其可靠性与快速反应能力以及技术水平，对于保护生命和财产至关重要。

在具有二十多年专业经验的法国工程师的帮助下，安美的优秀技术团队，在短短的几年时间里，充分了解吸收了水消防灭火系统中，关键设备的技术要求。克服了重重困难，攻克了一个又一个的技术堡垒，创造了许多该行业的中国第一，开创了中国专业化消防技术研究的新局面。

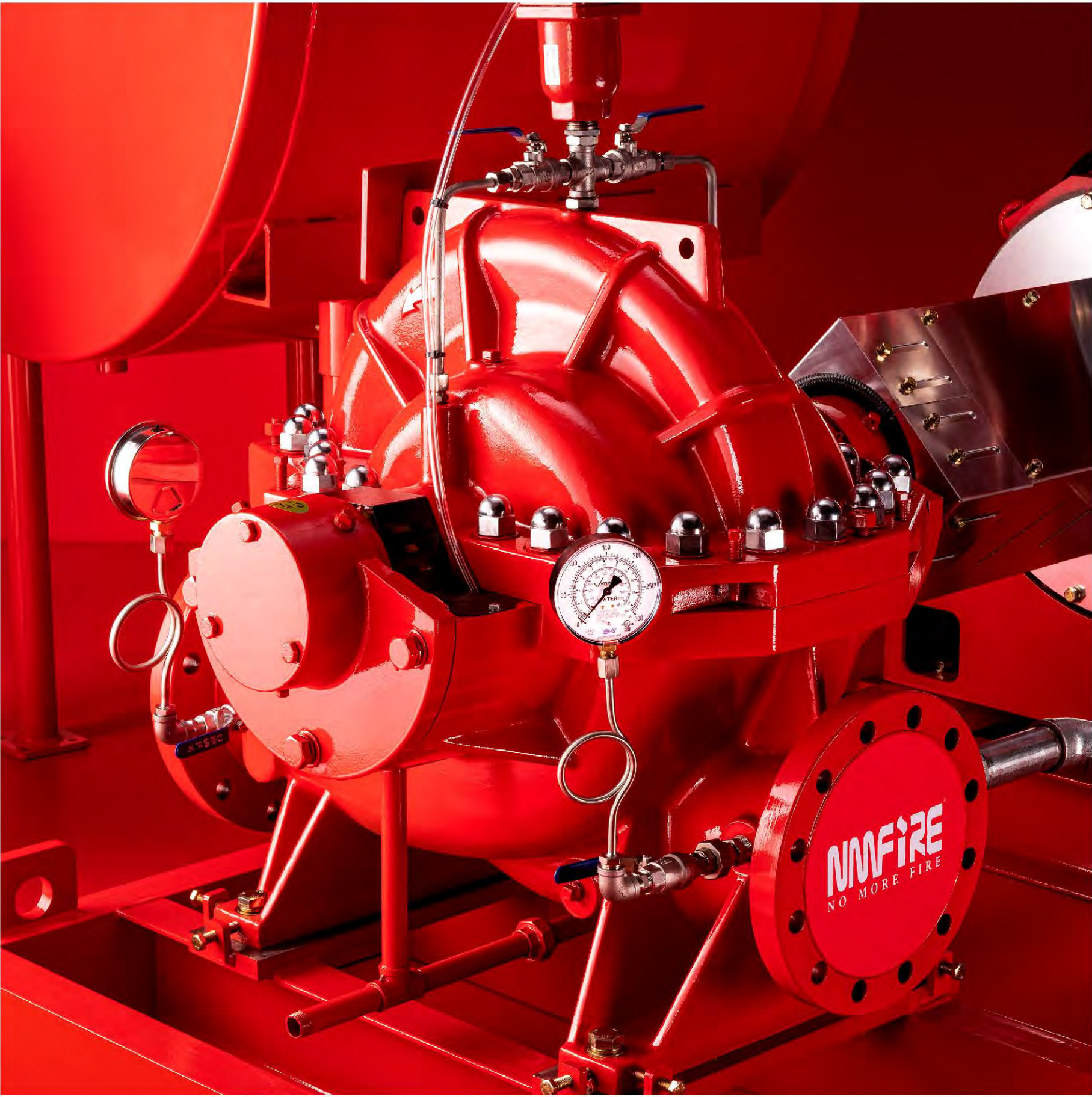
消防是保护生命与财产的最后一道防线，用于消防的设备在 UL/FM 相关产品标准中都有严格的技术、质量与严苛的测试要求。

在充分学习理解产品标准的前提下，公司投入了大量资金与精力进行产品研发。许多创新技术在产品研发中得到应用，公司的产品无论是泵还是柴油机都达到了世界一流水平。这两个消防关键产品的研发成功，结束了长期以来国内该行业将普通水泵当消防泵、将普通柴油机当消防柴油机的历史，彻底改变了国内该行业技术远远落后于世界先进水平的局面。

**WHEN THE HEAT IS NEAR
STAY COOL WITH THE PROTECTION OF NMFIRE**



TECHNOLOGICAL AND
INNOVATION ADVANTAGES
技 术 创 新 与 优 势



R&D|pump

Aside from safety and reliability, the most significant difference between a fire water pump and a standard water pump is its ability to start safely and successfully at any point on the performance curve while operating smoothly.

Each UL/FM fire pump requires a break or plateau in its power curve during the positive pressure test. Max.BHP (Max.Brake Horsepower) is a critical indicator of a fire pump's performance. The supplied power must exceed the pump's Max.BHP, which is a key technical requirement in NFPA 20.

The experienced NMFIRE technical team, utilizing CFD and 3D printing technologies, has repeatedly refined and tested the optimal hydraulic model, developing a series of enhanced hydraulic models that meet the specific characteristics required for fire pumps.

For over six years, we have successfully developed various fire pump products, ensuring that each one features ultra-low BHP, significantly enhancing the competitiveness of our certified fire pumps in the global marketplace.

R&D| 泵

除了安全性与可靠性之外，消防泵与普通水泵最大的区别就是必须确保在其曲线上任何一点都可安全启动，并可以正常运行。

每台 UL/FM 消防泵在正压测试时，其功率曲线都需要有拐点，即消防泵的 Max BHP（最大制动马力）。一台消防泵的特性曲线是否优秀，在同样工作参数时，其 Max BHP 的大小是重要的衡量指标。每台消防泵的配套功率，必须大于该泵的 Max BHP 是 NFPA20 中十分重要的一条技术要求。

经验丰富的安美技术团队，利用 CFD 与 3D 打印等现代创新技术，在合适的水力模型基础上，进行反复改进与测试，研发出了多个十分优秀的符合消防泵特性要求的水力模型。

在六年多时间内，先后成功开发出了各个不同系列的优秀消防泵产品，并确保了每个产品都具有超低的 BHP，大大增强了公司认证泵在全球市场上的竞争力。

LOST FOAM SAND CASTING

Pump's casing use lost foam new technology casting, the surface of the casing is more smooth, ensure higher pump's efficiency to reduce BHP



R&D | 消防柴油机

UL1247 与 FM1333 对消防专用柴油机的各项技术指标与测试，提出了极端严苛的要求。

在满足标准要求并达到测试要求的前提下，安美优秀的柴油机专业设计团队，对几十年来该产品传统的设计结构进行了大胆的改造，不但达到了标准化设计的目的，并且大大提高了生产效率与装配质量。

更加重要的是，彻底解决了柴油机振动对机器各大改装部件带来的影响，确保了柴油机在长时间、满负荷以及其它极端条件下仍可安全运行。

R&D | Diesel Engine

For fire diesel engines, UL 1247 and FM 1333 standards impose extremely strict requirements on various technical indicators and tests.

While ensuring compliance with these standards and test requirements, our highly experienced NMFIRE professional team has developed a groundbreaking and unique structural design. This not only standardizes the design but also significantly enhances production efficiency and assembly quality.

More importantly, we have greatly minimized diesel engine vibration, which impacts the overall assembly. This optimization ensures trouble-free operation over an extended lifespan.





UL/FM Testing Facility

NMFIRE is the only company in the world that owns two witness laboratories that meet the requirements of UL 448 for fire pumps and UL 1247 for diesel engines.

The UL 448 witness laboratory for fire pumps has a maximum test power of up to 5000 kW and is equipped with high- and low-voltage variable frequency speed-regulating control systems. These systems ensure that all power and speed requirements of our products are met.

The UL 1247 witness laboratory for diesel engines is one of the few professional test centers in the world that meet the UL/FM product certification requirements for firefighting diesel engines. Currently, there are five in-house designed and constructed test stands with a maximum test power of up to 1200 kW, fully meeting the needs of various firefighting applications.

The establishment of these two laboratories demonstrates that China's research and development capabilities in product innovation and testing technology within this industry have reached a world-class level.

UL/FM 测试实验室

公司是全球唯一一家同时拥有 UL448 消防泵与 UL1247 消防柴油机，两个 UL 认可目击实验室的企业。

NMFIRE UL448 消防泵目击实验室，最大测试功率达到 5000kw，配有高低压变频调速控制系统，确保各种转速与功率不同的泵型都可满足认证需求。实验室占地近 4000 平方米，可以同时测试多个泵产品，大大提高了产品的认证测试效率，缩短了产品开发与取证周期。

NMFIRE UL1247 消防柴油机目击实验室，是全球少有的能满足消防柴油机 UL/FM 产品认证测试要求的专业测试中心，目前有五套自行设计制造的测试系统，最大测试功率达到 1200kw，完全可以满足各种消防场所的需要。

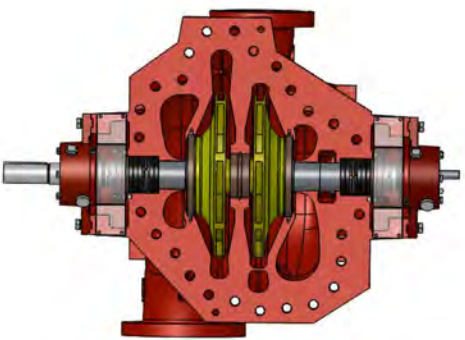
这两个试验室的建立，标志着中国该行业的产品研发能力与测试技术，达到了同行业世界一流水平。









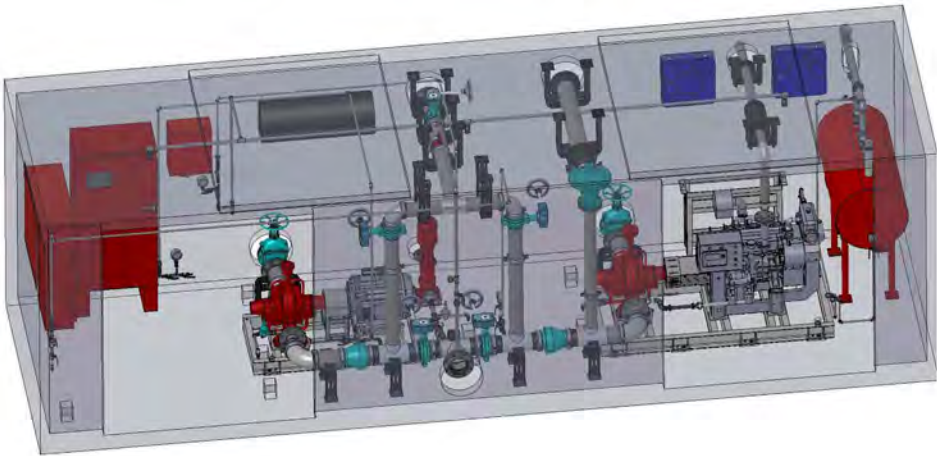


3D Product Standardized Design and SAP Digital Management: Innovative Advantages

The NMFIRE design team utilizes 3D design technology to standardize all products, significantly reducing the number of parts. By implementing a world-class SAP digital management system, we have streamlined supply chain management, warehouse standardization, production and process specifications, and product quality control, resulting in shorter lead times.

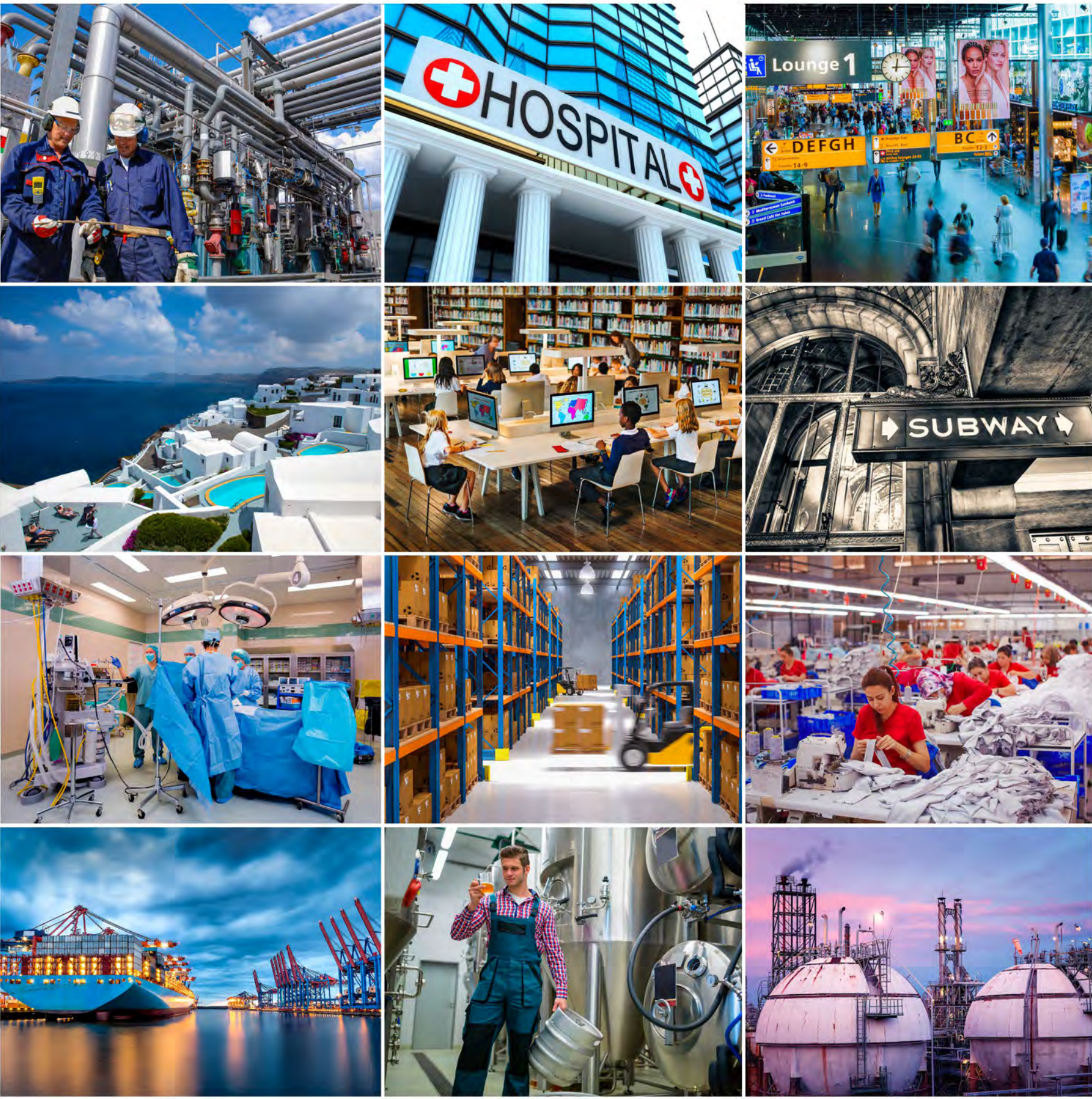
3D 技术产品标准化设计与 SAP 数字化管理

NMFIRE 优秀的设计团队，利用 3D 设计技术将公司产品进行了标准化的设计。这些创新的设计理念，大大降低了产品的零件数量。后期配合全球一流的 SAP 数字化管理系统，使公司的产品从供应链管理、到仓库标准化、再到生产与工艺的规范，以及产品质量的控制与交货时间的缩短，这一系列的生产环节，都得到了十分有效的保障。



A P P L I C A T I O N S
产 品 的 主 要 适 用 场 所





Commercial Fire Fighting

Hotels, Hospitals, Supermarkets, Metrostations, Airports, Office buildings, Schools, Museum, Warehouses etc.

Industrial Fire Fighting

Petrochemical, Power plants, Industrial enterprises, etc

商业消防

机场、高速公路隧道、酒店、医院、大型超市、高档写字楼、国家级粮库、地铁站、火车站等。

工业消防

石油化工企业、港口码头、海上平台、电厂、钢厂、汽车制造厂、服装厂以及其他各种类型的工矿企业等。





Diesel engine driven horizontal split-case fire pumps for oil and gas industry project in Nigeria
发往尼日利亚石油公司的柴油机驱动中开泵



Diesel engine driven horizontal split-case fire pump package for Kuwait Oil Company (KOC)
发往科威特石油公司（KOC）的柴油机驱动中开泵撬装机组

Sea Water Fire Fighting

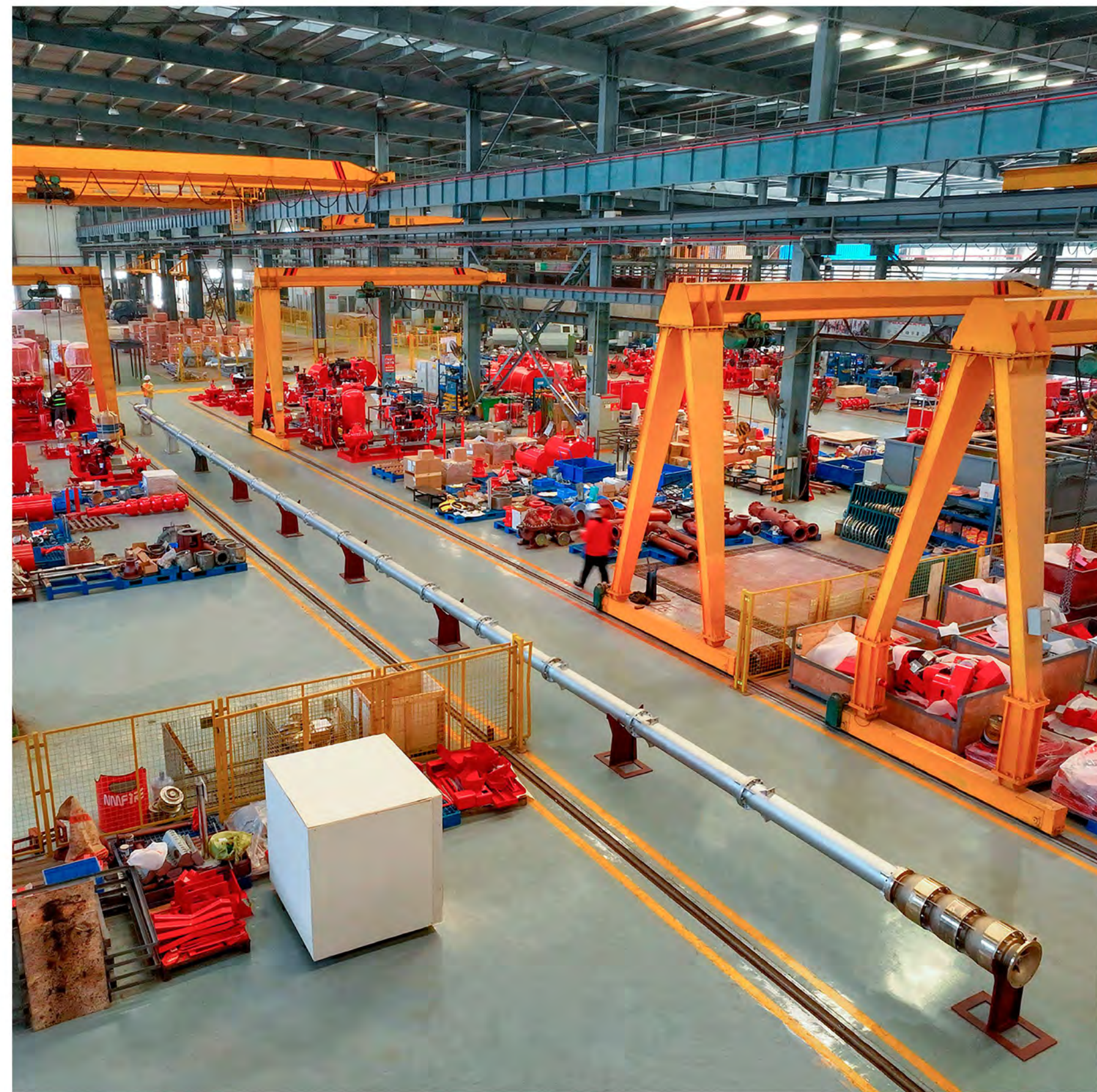
For special applications where seawater is required for firefighting, UL/FM products must undergo special registration for parts suitable for seawater firefighting.

NMFIRE has designed and certified pumps and diesel engines that meet the special requirements for seawater firefighting applications and are registered accordingly.

海水消防

对于需要用海水进行灭火的特殊场所, UL/FM 认证产品需要在获得各项产品认证的基础上, 对适合于海水消防的产品零件材质另外进行专项申请注册才能允许选用。

NMFIRE 所有的认证泵与柴油机均已申请注册了海水消防的特殊材质, 以满足这些场所消防的特殊需要。



MAIN PRODUCTS AND
CERTIFICATION SCOPE
主 要 产 品 与 认 证 范 围



Fire Pumps, End Suction Type
ESF 系列端吸消防泵

UL Listed and FM Approved
Flow:50-2500GPM
Pressure:53-206PSI
Speed:1760-3550RPM
UL/FM 认证范围
流量：50-2500GPM
扬程：53-206PSI
转速：1760-3550RPM

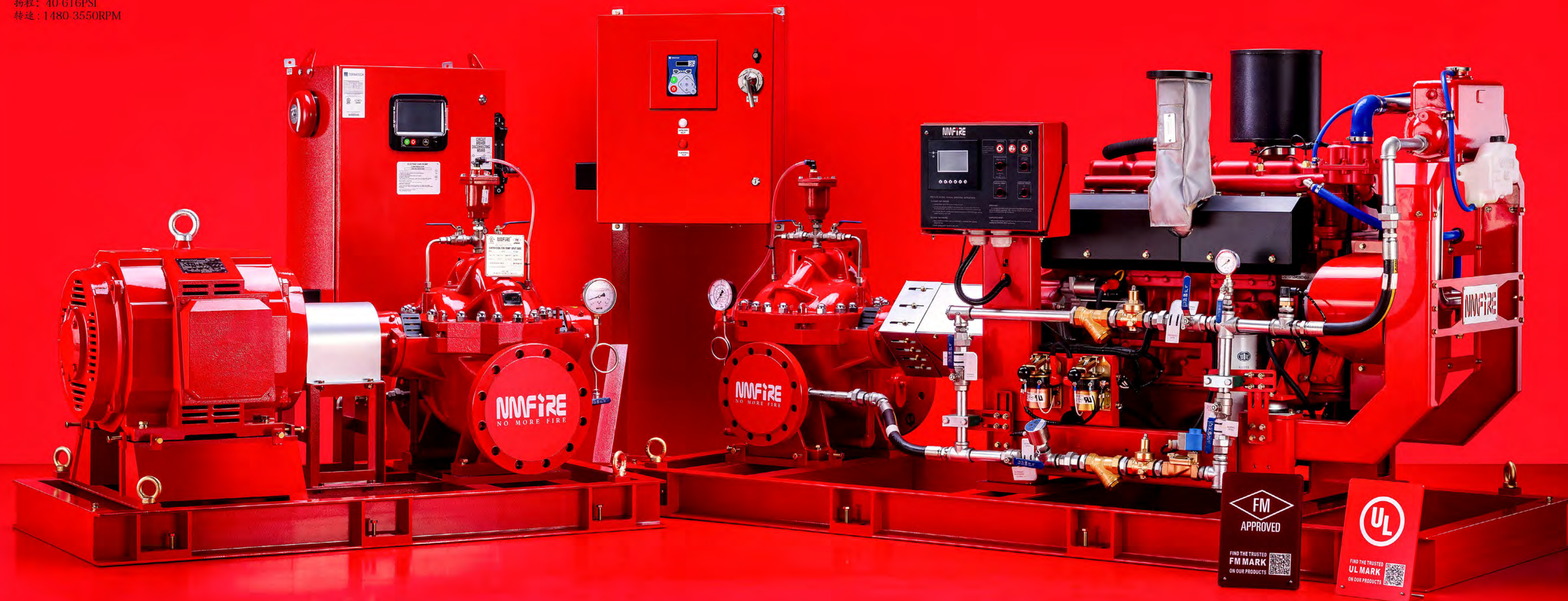


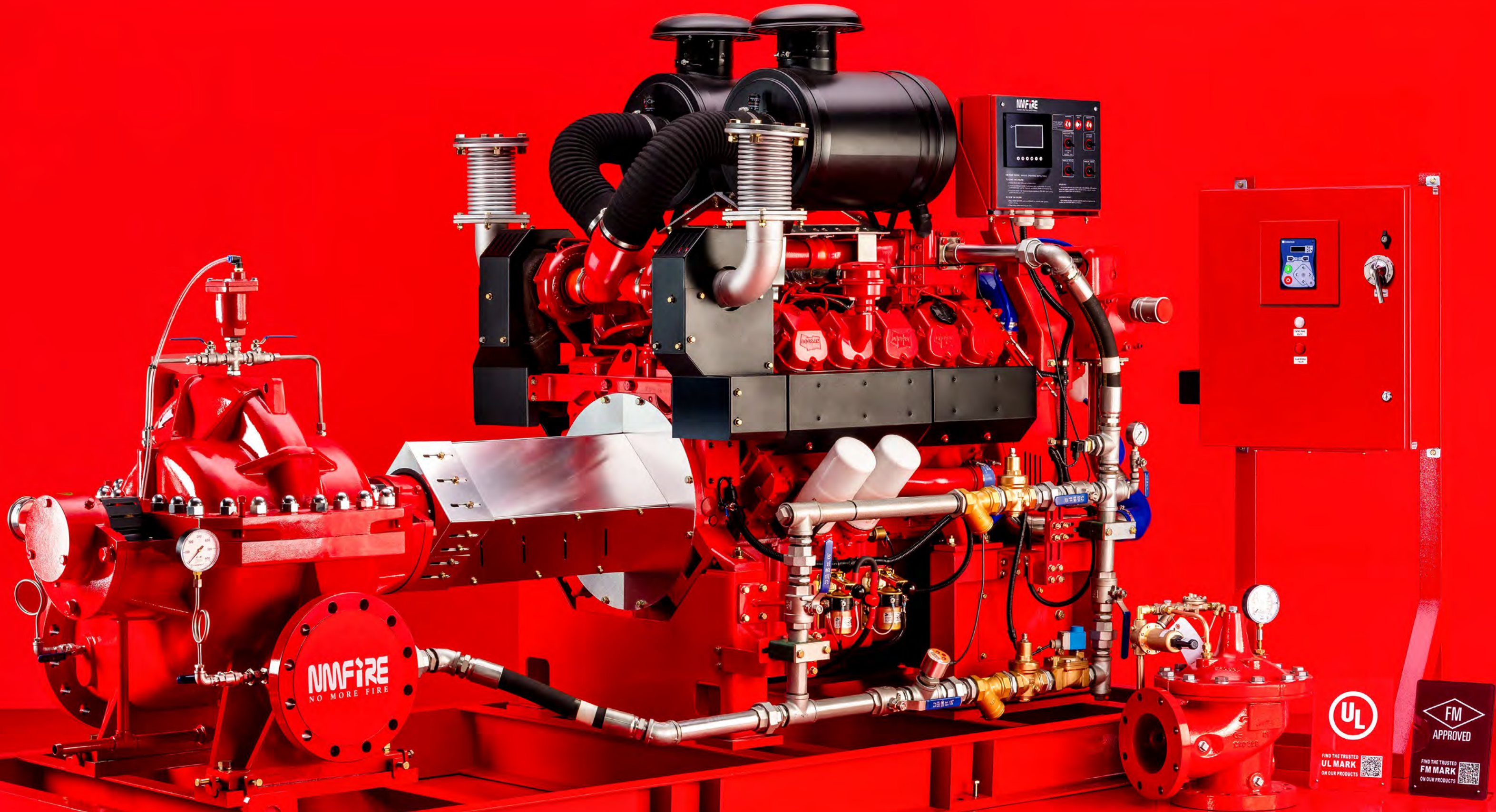
Centrifugal Fire Pumps, Split-Case Type
SCF 系列中开消防泵

UL Listed and FM Approved
Flow:300-8000GPM
Pressure:40-616PSI
Speed:1480-3550RPM
UL/FM 认证范围
流量：300-8000GPM
扬程：40-616PSI
转速：1480-3550RPM

Centrifugal Fire Pumps, Split-Case Type SCF 系列中开消防泵

UL Listed and FM Approved
Flow:300-8000GPM
Pressure:40-616PSI
Speed: 1480-3550RPM
UL/FM 认证范围
流量：300-8000GPM
扬程：40-616PSI
转速：1480-3550RPM





FIND THE TRUSTED
UL MARK
ON OUR PRODUCTS



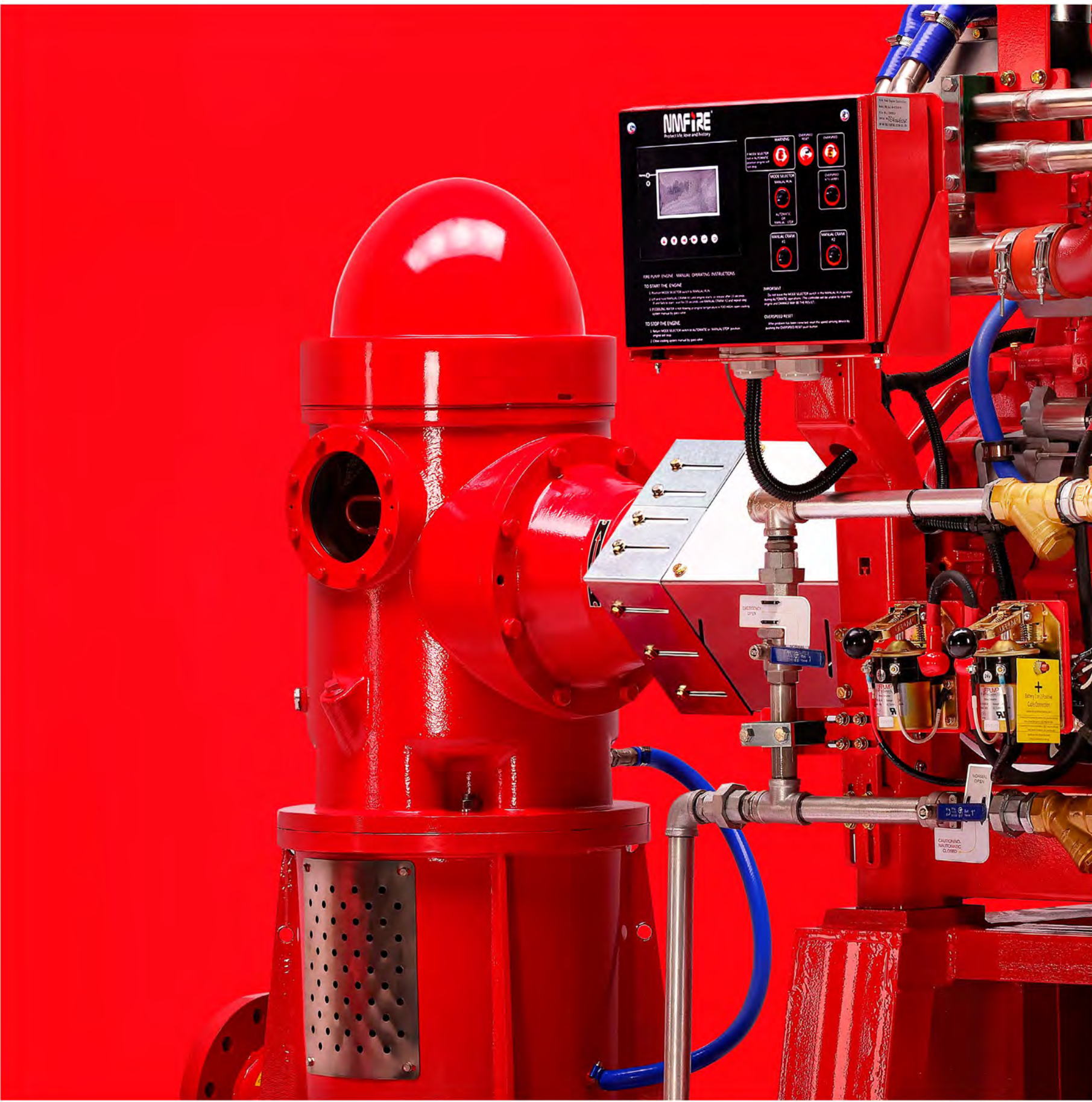
FIND THE TRUSTED
FM MARK
ON OUR PRODUCTS



Centrifugal Fire Pumps, Vertical Shaft,
Turbine Type
VTP 系列立式长轴消防泵

UL Listed and FM Approved
Flow: 100-7500GPM
Pressure: 40-377PSI
Speed: 1480-2900RPM
UL/FM 认证范围
流量: 100-7500GPM
扬程: 40-377PSI
转速: 1480-2900RPM





Right Angel Gear Drive
直角齿轮箱

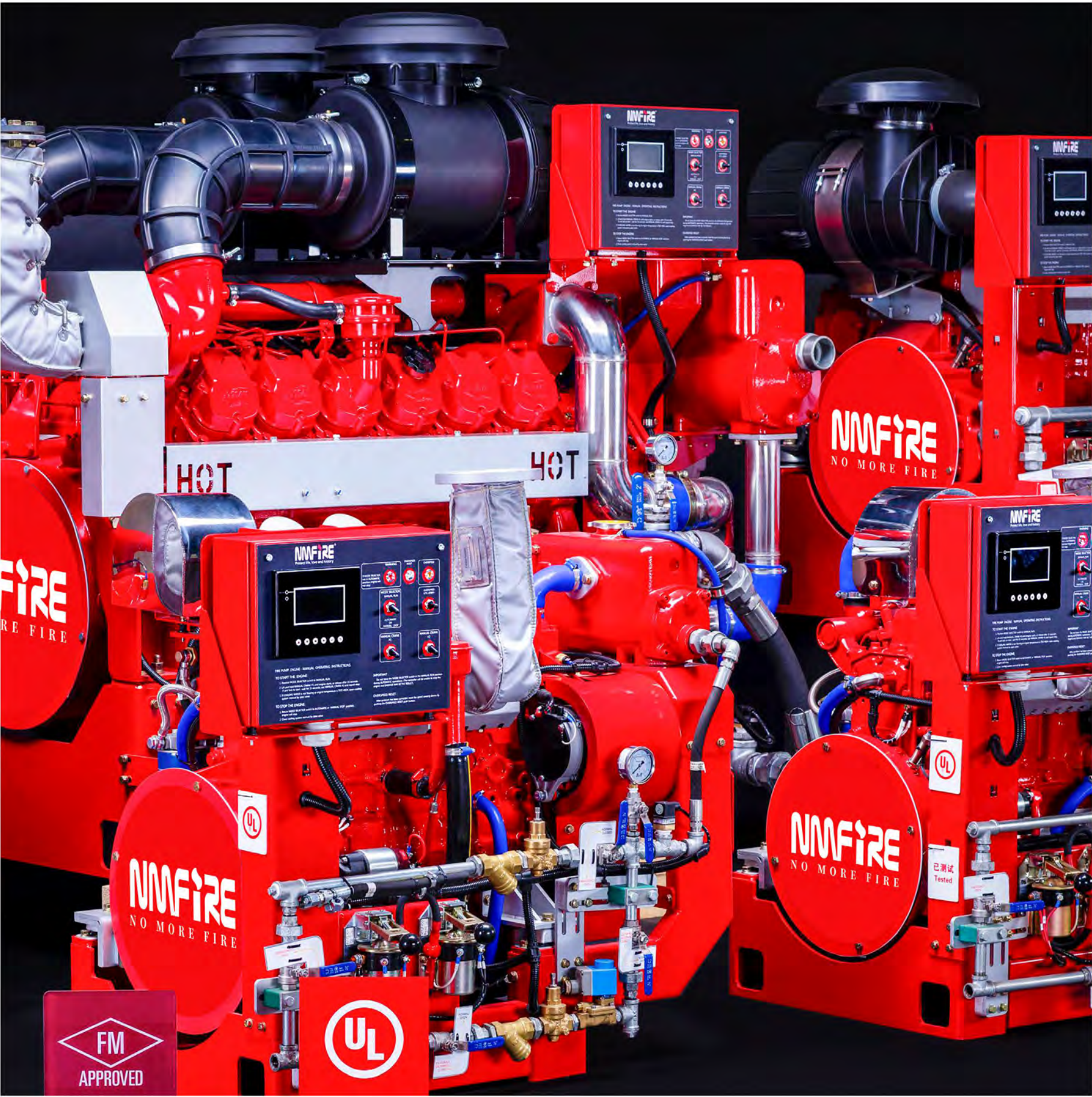
FM Approved
Rated Power:100-1200HP
FM 认证范围
额定功率: 100-1200HP



Centrifugal Fire Pumps In-Line Type
VIF 系列离心式管道消防泵

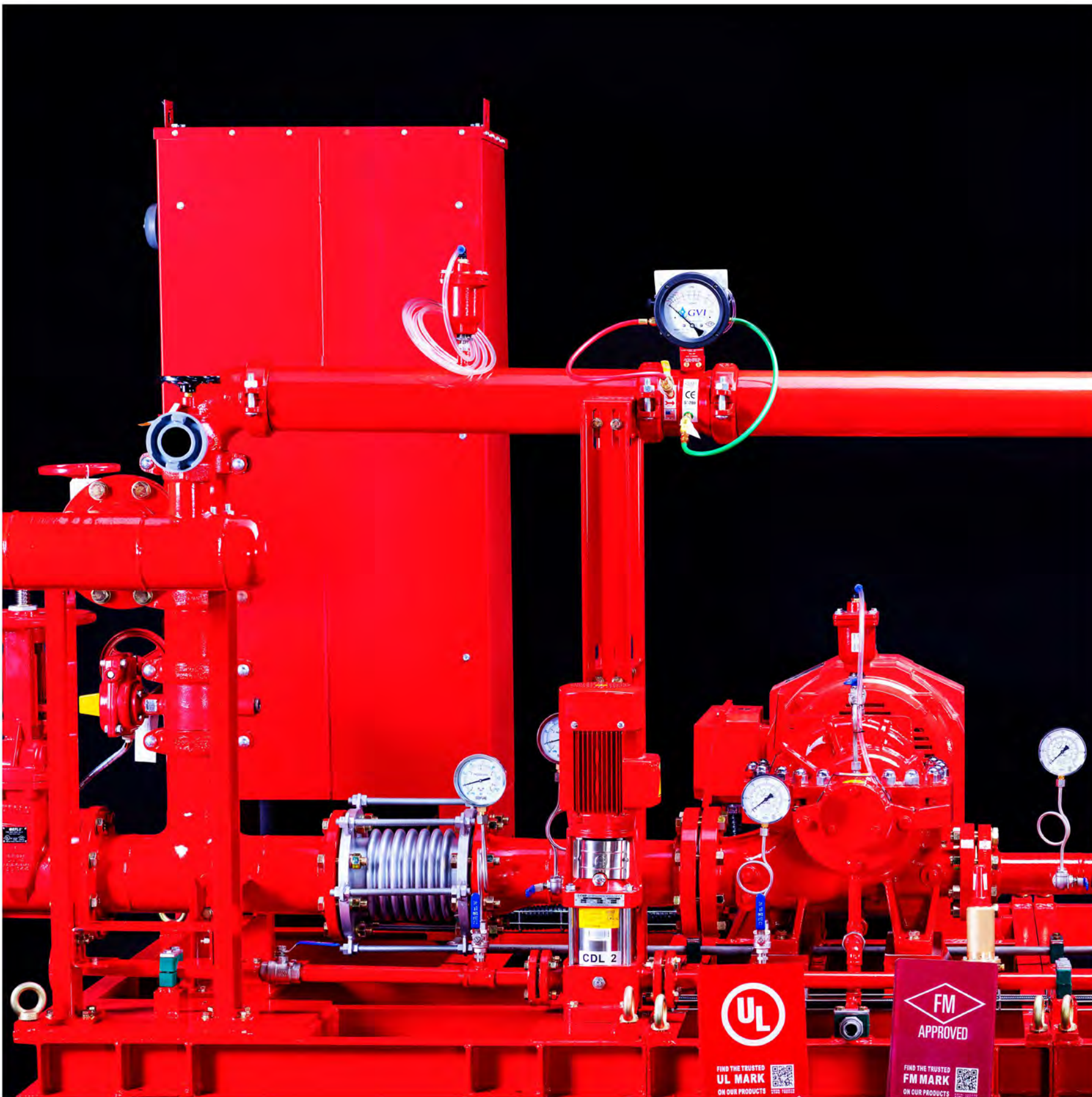
UL Listed and FM Approved
Flow:50-1500GPM
Pressure:40-201PSI
Speed:1760-3570RPM
UL/FM 认证范围
流量: 50-1500GPM
扬程: 40-201PSI
转速: 1760-3570RPM





Diesel Engines for Driving Stationary
Fire Pumps
消防专用柴油机

UL Listed and FM Aporoved
Power:40-1207HP
Speed:1500-2950RPM
UL/FM 产品认证范围
功率：40-1207HP
转速：1500 - 2950RPM



NFPA20 Enclosed Packaged Systems NFPA20 整体撬装消防泵系统

Main parts are all UL/FM products
 Design and produce according to NFPA20 standard
 Smaller sizes save place
 Package tested in factory before shipping
 Reduce on site work and material
 Connecting the water and power on site, it can be immediately running
 主要部件全部采用 UL/FM 认证产品
 完全符合最新版 NFPA20 规范要求
 设计紧凑, 体积小节省泵房空间
 机组出厂之前整体测试
 大大减少现场安装时间, 节约材料成本
 接上水与电即可投入使用, 减少了建设周期



Factory-Built Containerized Pump Room 货柜整体式消防泵站

Wide Range of Products:

All major components are UL/FM certified.
The full range of NMFIRE fire solutions includes horizontal split-case, end-suction, vertical turbine, and in-line pumps.
Configurations available: Single Electric, Single Diesel, One Electric & One Diesel, Two Electric, and Two Diesel.

这是公司为用户提供的 NFPA20 消防泵系统终极解决方案，所有选用部件都是 UL/FM 认证产品。可提供中开泵、端吸泵、管道泵与长轴泵不同的泵型，并且可以供单电、单柴、一电一柴、两电、两柴的方案。



T R A I N E D T O D A Y
S A F E T O M O R R O W
服 务 与 技 术 培 训



In order to better serve customers with world-class fire protection technologies, we established a training school in 2016 to promote NFPA 20 standards and technology. This training is held annually and is designed for agents, key customers, design institutes, engineering designers, and fire department management personnel, both domestically and internationally. At the same time, NMFIRE actively collaborates with UL, FM, and domestic and international fire protection associations, sparing no effort in funding technical seminars. We continuously promote UL/FM products and technologies worldwide, emphasizing the importance of choosing safe and reliable fire protection products to better safeguard lives and property.

Our comprehensive service system and experienced personnel provide timely, high-quality support to customers worldwide. We ensure that all products operate safely and reliably at all times, which is the fundamental guarantee for realizing NMFIRE's vision—No More Fire.

为了让世界一流的消防产品技术与标准更好地服务于客户，公司于 2016 年在工厂建立了 NMFIRE NFPA20 标准与技术培训学校。每年不定期举行相关产品的技术培训，主要培训对象为代理商、重点客户、国内外设计院与其它工程设计人员以及消防部门管理人员等。同时，公司还积极与国内外的消防协会以及 UL/FM 公司进行合作，不遗余力地资助行业协会的技术交流会，为 UL/FM 产品与技术在国内外的推广应用贡献力量，让更多从业人员了解选择安全可靠的消防产品的重要性，使更多的生命与财产得到更有效的保护。

公司完善的服务体系与经验丰富的服务人员将为全球各地的客户提供及时优质的服务，保证所有产品在任何时候都能安全可靠地运行，是实现 NMFIRE——No More Fire 这一梦想的基础保障。





KEY ACCOUNTS AND PROJECTS
主 要 客 户 与 项 目





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Web/ 网址: www.nmfirepumps.com

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Photo by 摄影 Yan Zhixiong 颜志雄 | Liu Weiping 刘卫平 | Zhang Liming 张黎明
Costume Designer 服装 Liu Jue 刘珏
Stylist 造型 Zhou Zhouqiancheng 舟舟谦成 | Yu Yuefeng 虞月丰
Designer 设计 Yan Zhixiong 颜志雄

