

**KSB fire fighting pumps...  
the most reliable protection against fire hazard**



Assembly process of Fire Fighting Pumps  
by the engineer of KSB Indonesia



## High quality of fire fighting pumps adapted to your needs...

**KSB with worldwide recognition has brought over 138 years of global experiences and expertise in the manufacturing and provision of pumps, valves, related systems.**

Leading the market supported with our wide range of coverage areas, KSB Indonesia is well known in making available pumps, valves, and related systems of the highest quality to lucrative segments that include building services, industry, water, waste water, energy, mining, as well as oil and gas segments.

Specifically for fire fighting pumps, KSB has enjoyed over 40 years of exposure to a reliable expertise in providing protection against fire hazards in almost ever continent.

Behind the success of KSB fire fighting pumps, stands our highly qualified engineers scattered over in throughout 100 countries at least.

In Indonesia, KSB fire fighting pumps are designed to meet the standard NFPA 20. NFPA is the main code that governs fire pump installations in North America or also known as the National Fire Protection Association's NFPA 20 Standard for the Installation of Stationary Fire Pumps for Fire Protection.

KSB Indonesia as part of KSB worldwide group offers worldclass quality of fire fighting pumps that caters to the safety standard requirements of your building ensuring safety against fire hazards.

As an added value, KSB Indonesia has also received an ISO 9001 certification since 1998 for the quality system applied to its service related activities that include assembly and repairing for pumps and valves along with its other business features.

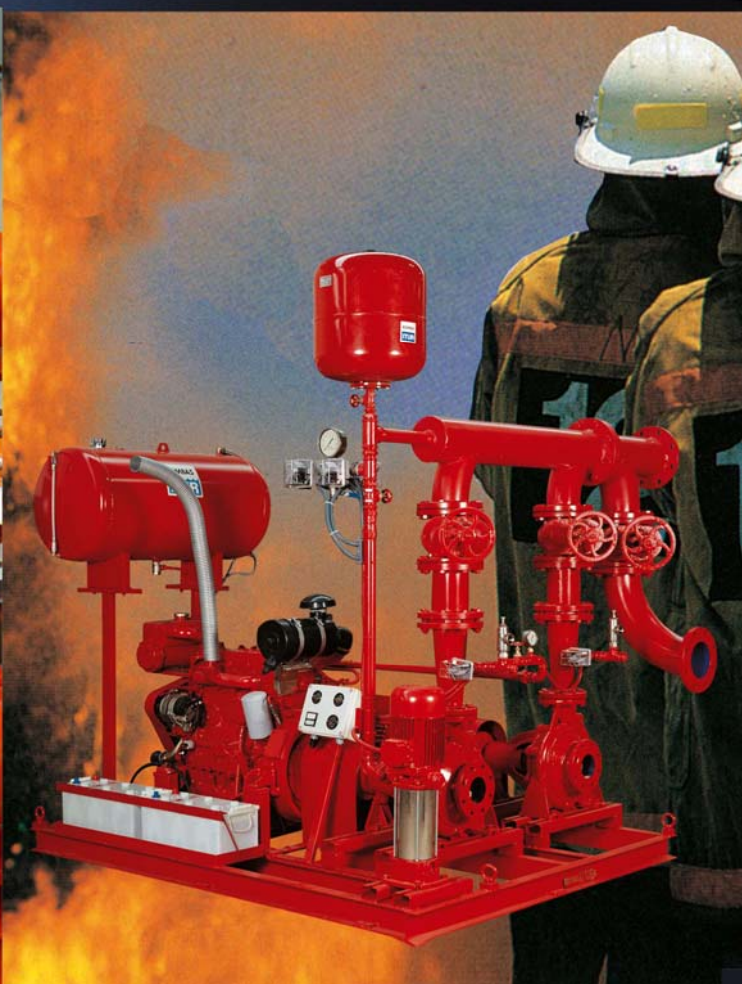


## Packaged Fire Service Pumps

Simplify your protection system. KSB Indonesia proven field experience provides you with a truly integrated custom built package that is as individual as your system demands.

KSB Indonesia Packaged Fire Service Pumps offer you :

- Pump, driver and fully automatic controller mounted on a common base
- Optional suction and discharge manifolds.
- Complete equipment compatibility.
- Economical installation.
- Better space utilization within Pump-House.
- Single source supply service and warranty.
- Accurate predetermined cost.
- Equipment delivered to site in consolidated shipment.
- Simplified field installation and handling.
- No need for interconnecting wiring.
- No need for separate mounting of control panel.
- Factory wiring and testing.
- Factory piped fuel system.



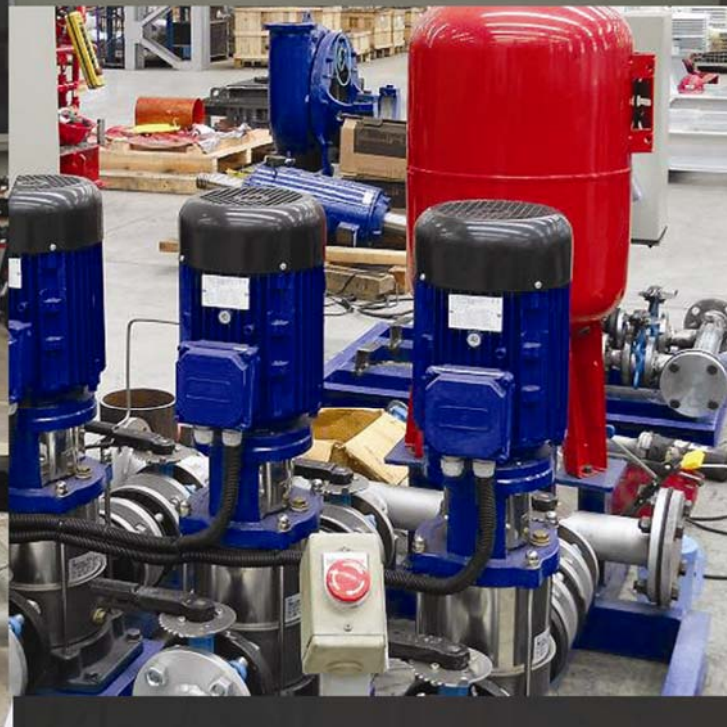
## Fire Pump Testing

KSB Indonesia fully test every fire pump complete with drivers, controllers, and accessories to guarantee total integrity and ensure the fire pump package arrives on site ready for trouble-free operation.

Our pump test bed specification :

- Capacity max : < 5000 USGPM
- Power max : < 300 kW
- Design pumps type : horizontal, vertical, submersible / deep well pumps
- Accessories : flow meter, automatic pressure transmitter, pressure gauge, portable flow meter, etc.

Additional testing available to the requirements of local fire authorities, or according to client request.



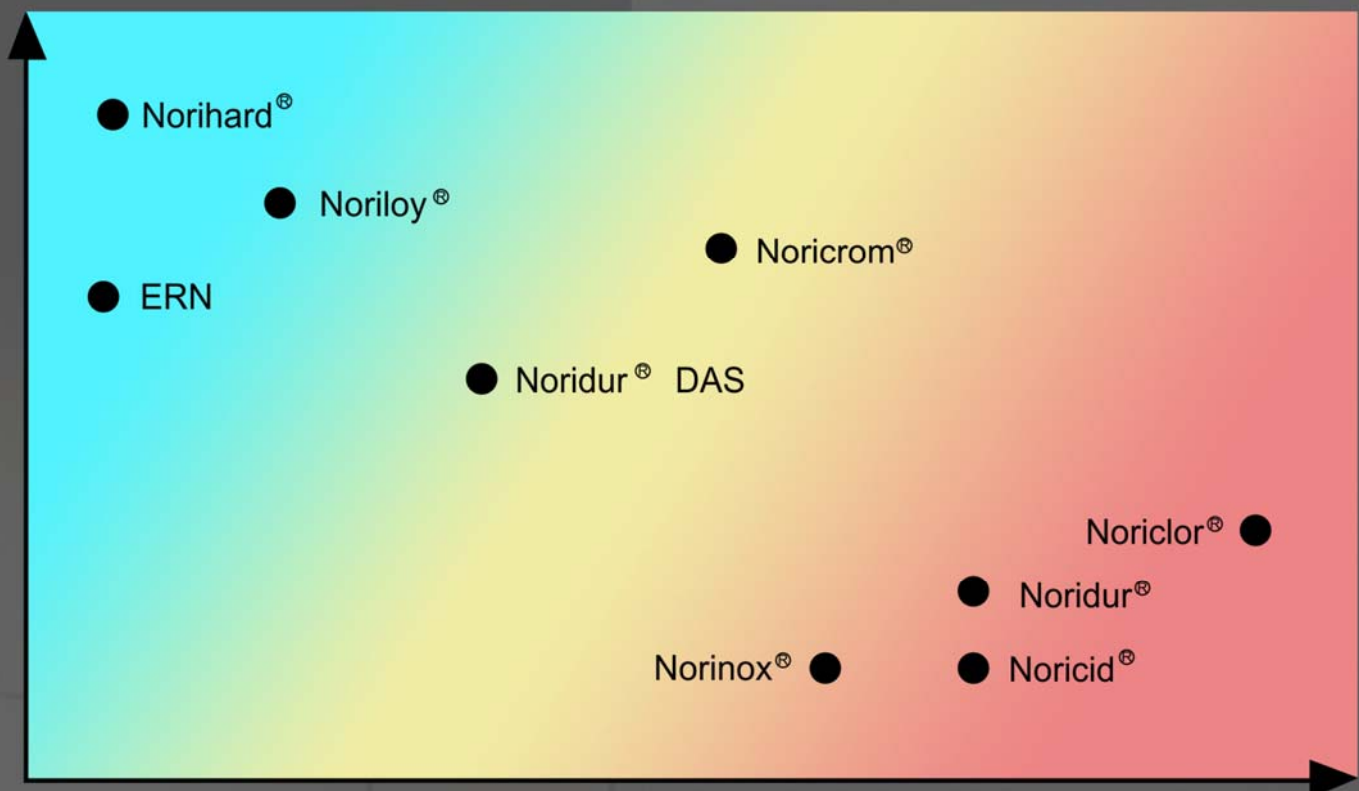
## KSB Materials in detail

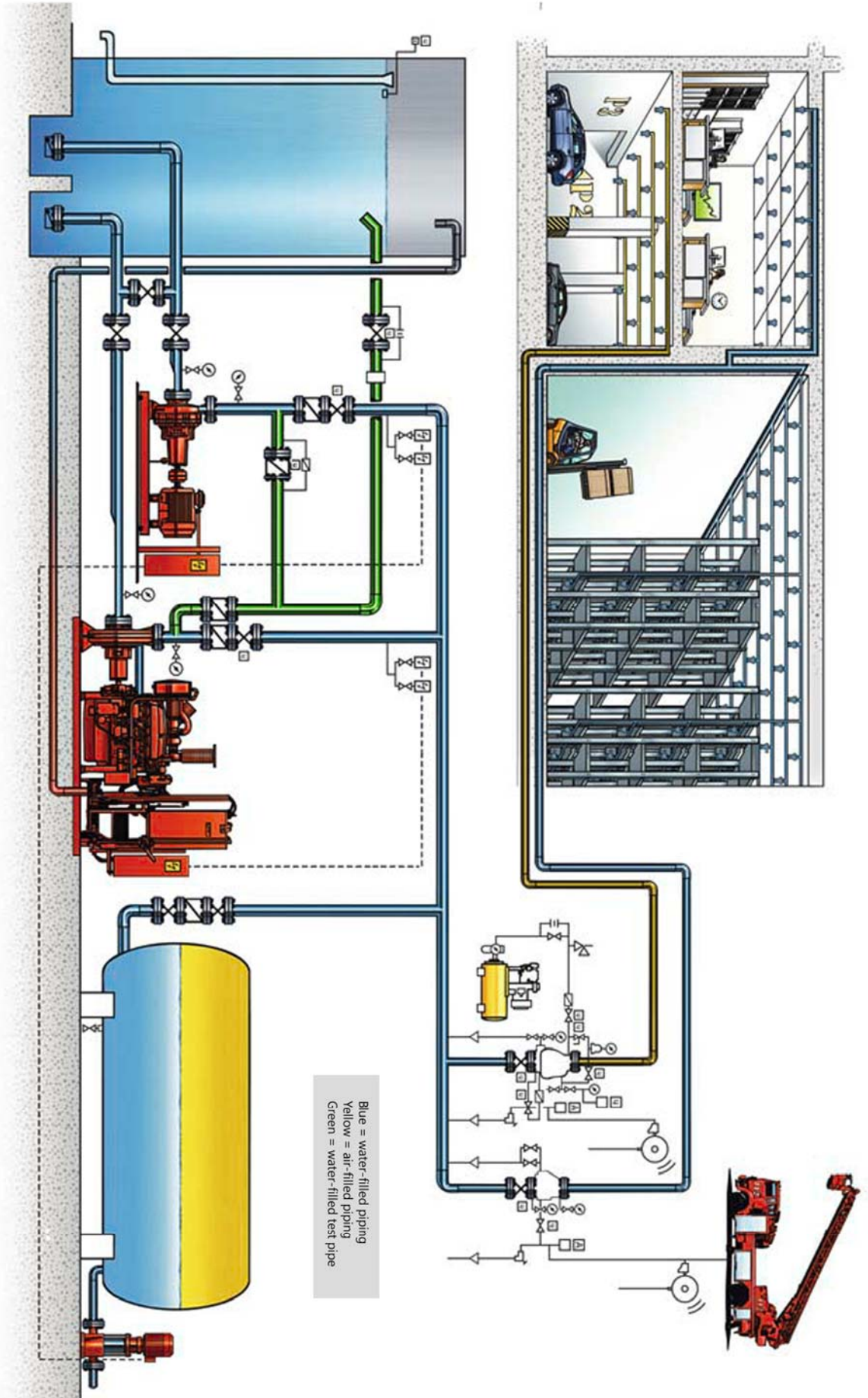
KSB's materials laboratories with scientific institutions to research material with good technologies, using certified high quality base materials, enable us to cover all applicable standards.

We provide the ideal solution for each fluid application from fresh water until sea water with variant material such as cast iron, ductile iron, chrome steel, bronze, cast steel, Ni-resist, stainless steel, duplex stainless steel, super duplex stainless steel.

Material	Descriptions
ERN	Highly wear-resistant bainitic nickel-alloyed cast iron
Norihad <sup>®</sup>	Highly wear-resistant white iron
Noriloy <sup>®</sup>	Wear and corrosion-resistant CrMo-alloyed white iron
Noridur <sup>®</sup> DAS	Wear-resistant duplex stainless steel
Noricrom <sup>®</sup>	Corrosion- and wear-resistant triplex stainless steel
Norinox <sup>®</sup>	Austenitic stainless steel
Noridur <sup>®</sup>	Duplex stainless steel
Noriclor <sup>®</sup>	Super duplex stainless steel
Noricid <sup>®</sup>	Special austenitic stainless steel

## Wear and Corrosion resistance





**Elite, Etanorm, Mega, CPKN**



Horizontal split case pump

Technical data\*

Q : 1000 UGSM

H : 110 m

**Vertical Turbine Pump**



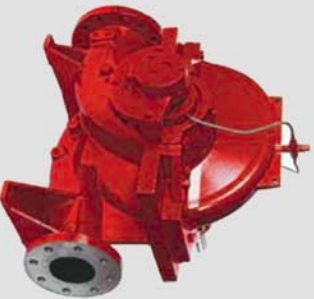
Deep well turbine pump

Technical data\*

Q : 5000 UGSM

H : 300 m

**Omega / RDL**



Horizontal split case pump

Technical data\*

Q : 5000 UGSM

H : 150 m

**Movitec**



Horizontal split case pump

Technical data\*

Q : 3000 UGSM

H : 249 m

**Multitec**



Multistage, horizontal centrifugal pump in ring-section design

Technical data\*

Q : 3750 UGSM

H : 630 m

**Complete Pump Sets with Diesel Engine**



Horizontal end suction fire water pump

### Complete Pump Sets With Diesel Engine



Horizontal split case fire water pump



Vertical Turbine Fire Water Pump



Combined Fire Pumps Package



### BUILDING

When it comes to buildings, KSB fire pumps is uniquely designed to cover fire protection of high-rises, hospitals, hotels, restaurants, airports, resorts, etc



### INDUSTRY

Fire pumps has vital applications in industry. A lot of critical material which is easy to burn. KSB fire fighting ready to save your equipment and your assets.



### OIL AND GAS

Ensuring fire protection for all oil and gas plant is a major task for our company. KSB stops fire before they really get started.



### ENERGY

KSB's fire fighting pumps give reliable service in primary and secondary circuits all over the world. They reliably protect your power plant.



### MINING

Mining site is the biggest asset for mining company, protecting the site is very crucial and our fire fighting pumps mean a lot more than just pumps.





## Locate KSB Indonesia offices near you

### Head Office/Workshop

#### **CIBITUNG**

Jl Timor Blok D2 - 1 Kawasan Industri MM2100  
Tel. +6221 899 83570  
Fax. +6221 899 83571

### Sales Office

#### **JAKARTA**

Cawang Kencana Building  
Floor D Suite D02  
Jl Mayjend Sutoyo Kav. 22  
Jakarta 13630  
Tel. +6221 8088 6509  
Fax. +6221 8088 6504

### Representative Offices

#### **MEDAN**

Jl Bunga Asoka  
Asoka Raya Residence Blok D  
No. 66 Medan  
Tel. +6261 822 7095  
Fax. +6261 822 7095

#### **PEKANBARU**

Komp. Perkantoran  
Grand Sudirman Blok D-4  
Jl Datuk Setia Maharaja  
Pekanbaru 28282  
Tel. +62761 36306  
Fax. +62761 32360

#### **PALEMBANG**

Jl Parameswara No. 3063  
Rt. 03 Rw. 01 Kel. Bukit Baru  
Palembang 310139  
Tel. +62711 443061  
Fax. +62711 443061

#### **SEMARANG**

Jl Taman Sri Rejeki  
Selatan VII No. 44  
Rt. 04 Rw. 04  
Semarang 50185  
Tel. +6224 7614444  
Fax. +6224 7614444  
Email. ksbsales@ksb.co.id

#### **SURABAYA**

Jl Raya Deltasari Indah  
Ruko AP-16 Waru  
Sidoarjo 61256  
Tel. +6231 8539320  
Fax. +6231 8541612  
Email. ksbsurabaya@ksb.co.id

#### **MAKASSAR**

Jl Topaz Raya  
Ruko Jamrud Blok B No. 5  
Panakukang Mas  
Makassar 90222  
Tel. +62411 431392  
Email. ksbsmakassar@ksb.co.id

#### **BALIKPAPAN**

Jl MT Haryono Rt. 84 No. 131  
Kel. Gunung Bahagia,  
Kec. Balikpapan Selatan  
Balikpapan  
Tel. +62542 7206467  
Fax. +62542 876555  
Email. ksbbalikpapan@ksb.co.id

#### **BANJARMASIN**

Jl Ahmad Yani KM 11  
Komplek Perumahan  
Pesona Modern Blok E No. 1  
Banjarmasin  
Tel. +62511 6281964  
Email. ksbbanjarmasin@ksb.co.id