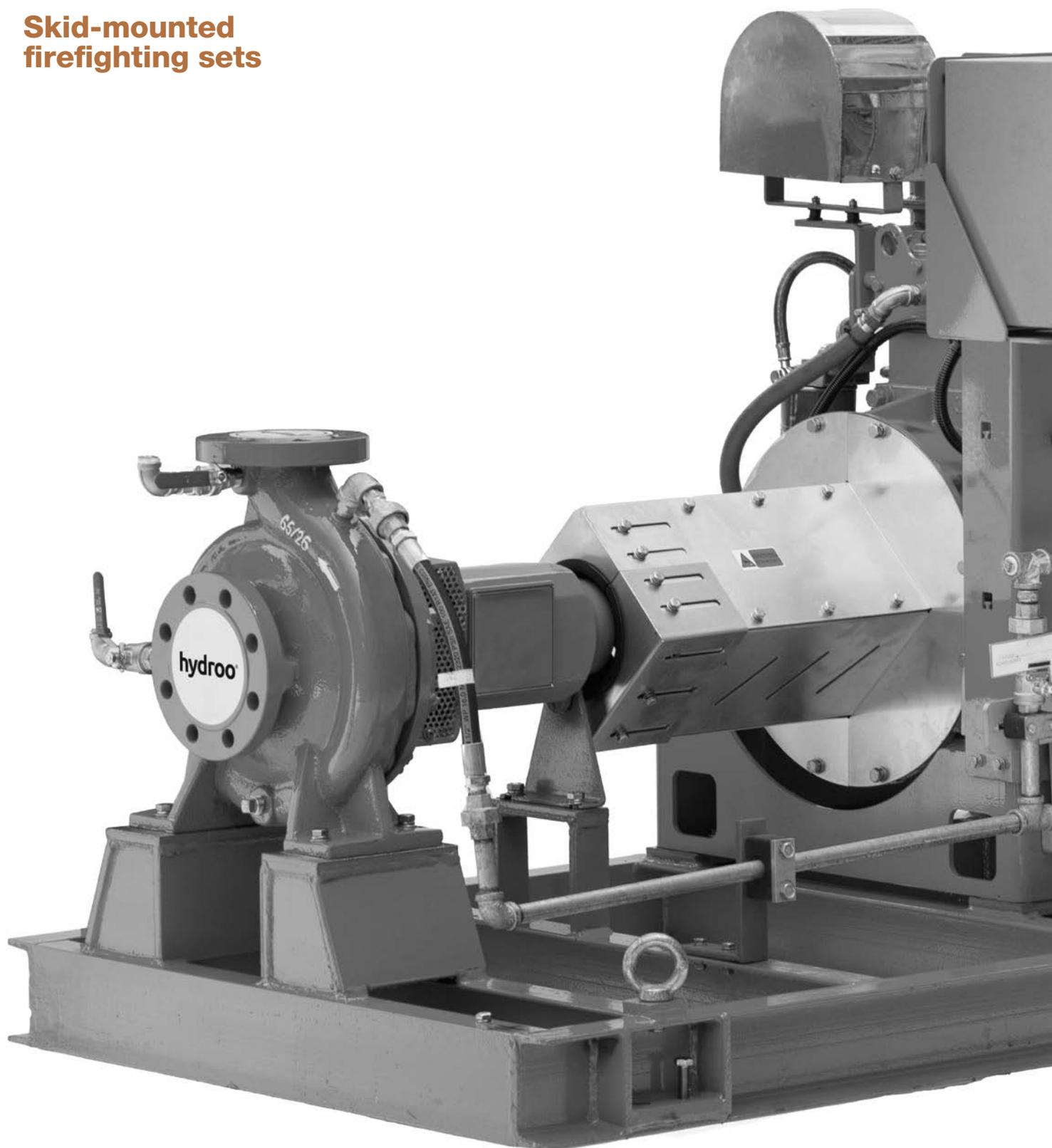


hydroo®

XFIRE

Skid-mounted
firefighting sets





PRESENTATION

HYDROO has set up a worldwide distribution network with key partners and is providing value to pump engineers and end users. We have an extensive pump portfolio with high-end solutions for many applications, including water-supply booster sets, fire-fighting equipment, borehole, HVAC, drainage and sewage, utilities, irrigation, desalination and RO equipment, and OEM integration, among many others. We provide solutions for all markets for 50 Hz and 60 Hz, including customized versions.

HYDROO has a factory in Palol de Revardit (Catalonia- Spain). It's been sized to guarantee our reliable, long-term, personalized manner and offer the best service to all our customers. We provide a wide range of products in an extremely short delivery time, thanks to our Lean manufacturing processes and our qualified professional and enthusiastic team.

Our commitment to ethics and legislation in relation to third parties is compiled in a public document of principles. The document has been agreed upon by the entire Hydroo team and its implementation is being coordinated by a committee to ensure the compliance and strengthening of the corporate culture in the whole company.

The expansion of Hydroo is based on excellence in operations and a successful business relationship with partners. Therefore, we face a strong growth in the target market. We are fully audited by SGS for ISO9001 and ISO14000 standards annually.

At HYDROO, we are committed to providing excellent service to our valued pump partners.

XFIRE

Skid-mounted
firefighting sets

Applications

Fire extinguishing
applications in sprinklers or
fire hydrants networks for:

Office buildings
Commercial buildings
as hotels, schools and
colleges, hospitals
Airports
Manufacturing facilities
Warehouses
Power stations

Description

Fire sets according to EN12845 and other standards on request. UL/FM listed and approved sets also available.

Performance range

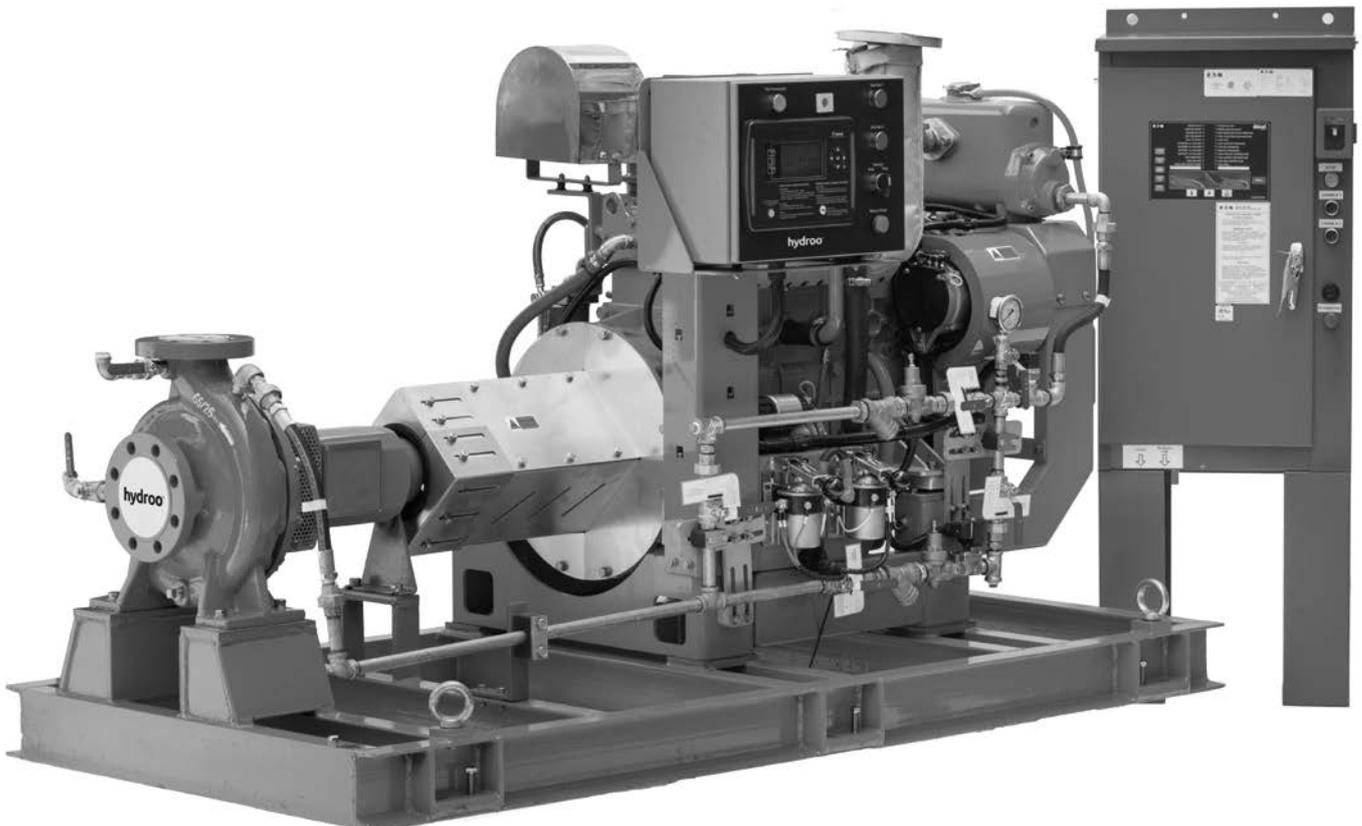
Flow up to 2.000 m³/h
Head up to 300 m
Electric and diesel driven pumps

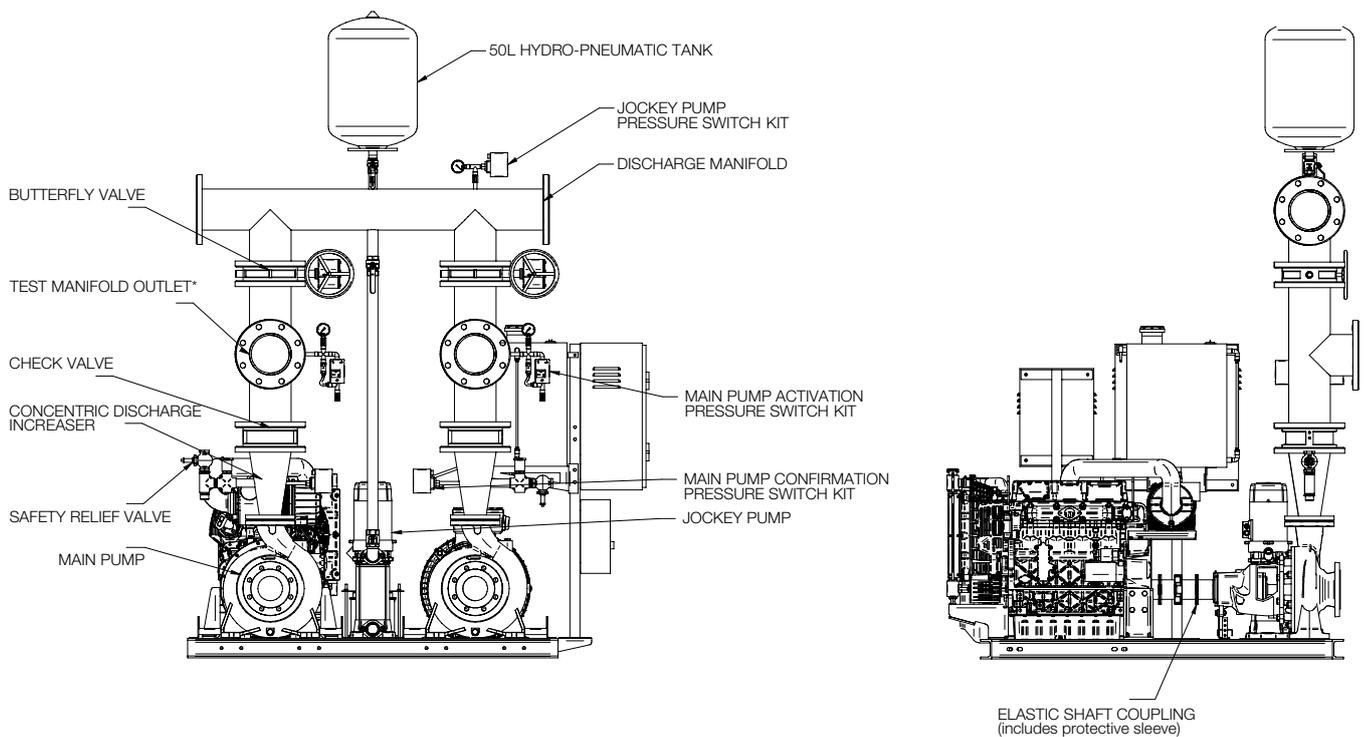
Standard material

Ductile cast iron casings and AISI304
SS impellers
Any other material including Duplex SS
available on request

Versions

Single stage double suction horizontal
split casing HSC pump up to 2.000 m³/h
and 230 m.
Single stage end suction vertical split
casing NLF/X pump up to 800 m³/h
and 160 m.
Vertical in-line circulation TF/X pump up
to 750 m³/h and 90 m.
High pressure horizontal HHP pump up
to 800 m³/h and 300 m.
Vertical turbine LS pump up to 2.000
m³/h and 200 m.





XFIRE EDJ

Skid-mounted firefighting set according to EN 12845

Skid-mounted booster fire pumping sets powered by one or more electric motor or diesel engine units. The duty pump or pumps supply water to the sprinklers or to the fire hydrants network to suppress the fire outbreak as quickly as possible. The number of pumps and their sizing depends on the rated hazard and the installation. Pump starting is automatic by means of the pressure drop in the system to lower than the set-point in the main pressure switch. Should the first duty pump fail, the standby pump will start after the second pressure drop set-point of the secondary pressure switch. If the installation has two power sources twin electric pump units are allowed. Instead, the fire pumping set should contain an electric motor and a diesel engine driven pump sets. Selection of the pump sets are according to the very demanding specs of the standards to avoid short performance curves, to avoid cavitation and guarantee stable operation of the pumps. Hydro can provide XFIRE sets with HSC split casing double suction pumps, NLFX end suction pumps, NSX end suction SS pumps, vertical in-line pumps as standard that meet the standard.

Duty electric pump

NLF/X end suction vertical split casing pump or HSC horizontal double suction split casing pump made in ductile cast iron and bronze, cast iron or AISI304 SS impeller. High performance and improved NPSH pumps to provide a reliable fire extinguisher system. IP55, IE3 with flexible coupling and spacer motor for continuous operation. HHP horizontal multistage high pressure pumps, LS vertical turbine pumps and TF/X in-line vertical circulation pumps also available.

Duty diesel pump

NLF/X end suction vertical split casing pump or HSC horizontal double suction split casing pump made in ductile cast iron and bronze, cast iron or AISI304 SS impeller. High performance and improved NPSH pumps to provide a reliable fire extinguisher system. Air cooled or water cooled and heat exchangers diesel engines of different manufacturers according to the specifications of the customer.

Jockey pump

VF vertical multistage pumps of high performance with hydraulics totally made in AISI304 SS to keep the pipe system at a constant pressure ready to supply water when a set test or a real fire would happen.

Fittings, valves, flow meters and connections

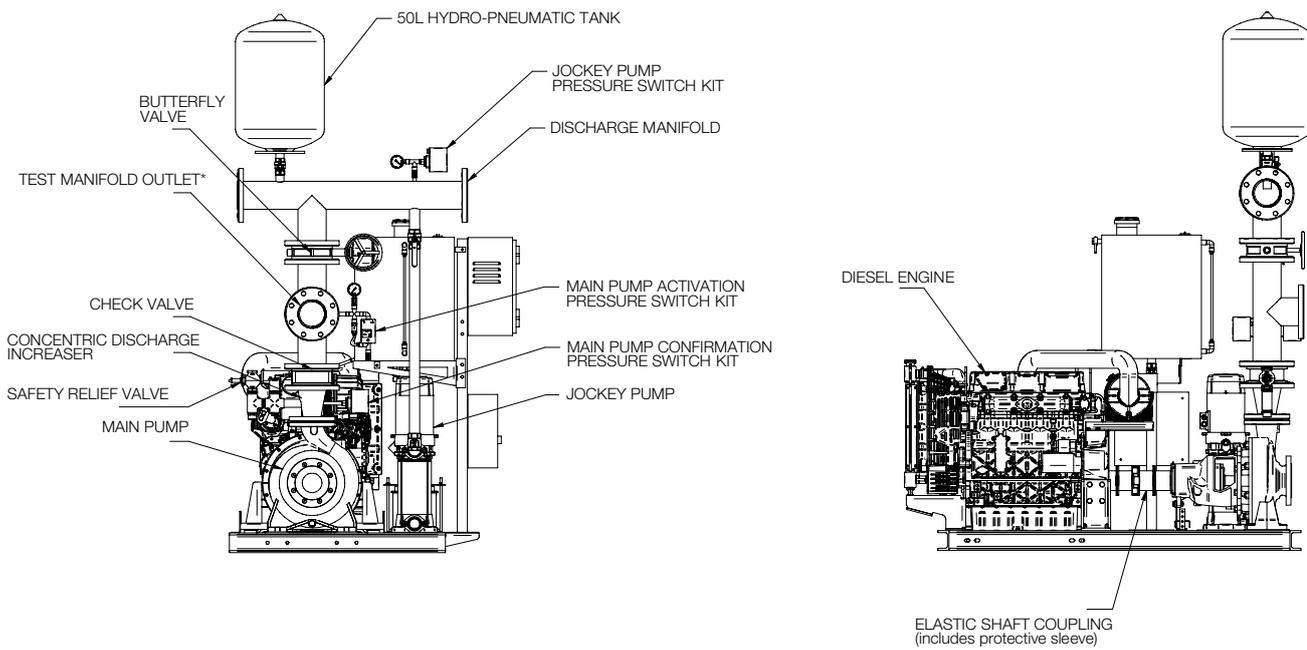
Main manifold is being sized to not exceed water flow over 2 m/s. All valves are reliable, high quality butterfly type with wheel. Pressure switches, pressure gauges, relief valve for tests are included and build in on a common base plate. For diesel motors an additional insulation base plate is supplied.

Control panels

Electro-mechanical control board according to the standards for electric motor pumps with general switch, pump starters, three position selectors for the duty and jockey pumps, led lamp and acoustic alarms, duty pump stop button, voltmeter, ammeter, jockey start counter, support battery. Likewise, the control panel for the diesel pump has its own specs as 6 starting attempts test, ammeter for batteries, tachometer, temperature gauge and oil pressure gauge.

Ancillary features

Full equipment coloured in RAL 3000, cable connections, twin battery set for diesel engines and fuel tank provided.



XFIRE DJ

Skid-mounted firefighting set according to EN 12845

Skid-mounted booster fire pumping sets powered by one or more electric motor or diesel engine units. The duty pump or pumps supply water to the sprinklers or to the fire hydrants network to suppress the fire outbreak as quickly as possible. The number of pumps and their sizing depends on the rated hazard and the installation. Pump starting is automatic by means of the pressure drop in the system to lower than the set-point in the main pressure switch. Should the first duty pump fail, the standby pump will start after the second pressure drop set-point of the secondary pressure switch. If the installation has two power sources twin electric pump units are allowed. Instead, the fire pumping set should contain an electric motor and a diesel engine driven pump sets. Selection of the pump sets are according to the very demanding specs of the standards to avoid short performance curves, to avoid cavitation and guarantee stable operation of the pumps. Hydroo can provide XFIRE sets with HSC split casing double suction pumps, NLFX end suction pumps, NSX end suction SS pumps, vertical in-line pumps as standard that meet the standard.

Duty diesel pump

NLF/X end suction vertical split casing pump or HSC horizontal double suction split casing pump made in ductile cast iron and bronze, cast iron or AISI304 SS impeller. High performance and improved NPSH pumps to provide a reliable fire extinguisher system. Air cooled or water cooled and heat exchangers diesel engines of different manufacturers according to the specifications of the customer.

Jockey pump

VF vertical multistage pumps of high performance with hydraulics totally made in AISI304 SS to keep the pipe system at a constant pressure ready to supply water when a set test or a real fire would happen.

Fittings, valves, flow meters and connections

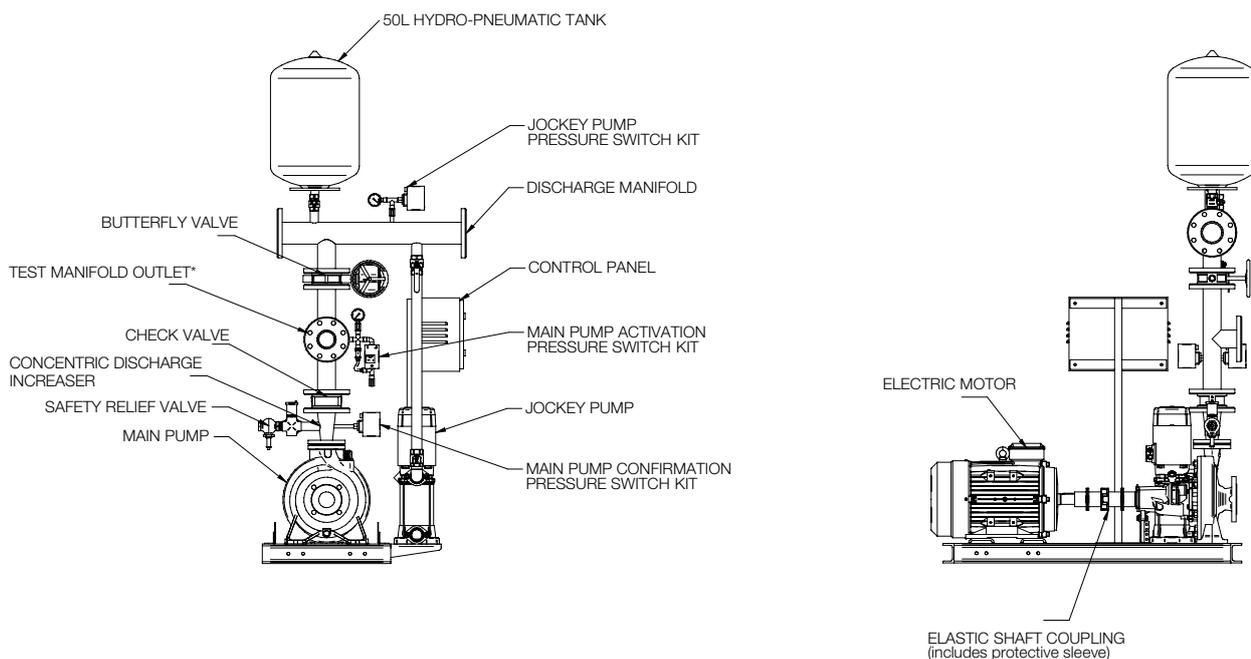
Main manifold is being sized to not exceed water flow over 2 m/s. All valves are reliable, high quality butterfly type with wheel. Pressure switches, pressure gauges, relief valve for tests are included and build in on a common base plate. For diesel motors an additional insulation base plate is supplied.

Control panels

Electro-mechanical control board according to the standards for electric motor pumps with general switch, pump starters, three position selectors for the duty and jockey pumps, led lamp and acoustic alarms, duty pump stop button, voltmeter, ammeter, jockey start counter, support battery. Likewise, the control panel for the diesel pump has its own specs as 6 starting attempts test, ammeter for batteries, tachometer, temperature gauge and oil pressure gauge.

Ancillary features

Full equipment coloured in RAL 3000, cable connections, twin battery set for diesel engines and fuel tank provided.



XFIRE EJ

Skid-mounted firefighting set according to EN 12845

Skid-mounted booster fire pumping sets powered by one or more electric motor or diesel engine units. The duty pump or pumps supply water to the sprinklers or to the fire hydrants network to suppress the fire outbreak as quickly as possible. The number of pumps and their sizing depends on the rated hazard and the installation. Pump starting is automatic by means of the pressure drop in the system to lower than the set-point in the main pressure switch. Should the first duty pump fail, the standby pump will start after the second pressure drop set-point of the secondary pressure switch. If the installation has two power sources twin electric pump units are allowed. Instead, the fire pumping set should contain an electric motor and a diesel engine driven pump sets. Selection of the pump sets are according to the very demanding specs of the standards to avoid short performance curves, to avoid cavitation and guarantee stable operation of the pumps. Hydro can provide XFIRE sets with HSC split casing double suction pumps, NLFX end suction pumps, NSX end suction SS pumps, vertical in-line pumps as standard that meet the standard.

Duty electric pump

NLF/X end suction vertical split casing pump or HSC horizontal double suction split casing pump made in ductile cast iron and bronze, cast iron or AISI304 SS impeller. High performance and improved NPSH pumps to provide a reliable fire extinguisher system. IP55, IE3 with flexible coupling and spacer motor for continuous operation. HHP horizontal multistage high pressure pumps, LS vertical turbine pumps and TF/X in-line vertical circulation pumps also available.

Jockey pump

VF vertical multistage pumps of high performance with hydraulics totally made in AISI304 SS to keep the pipe system at a constant pressure ready to supply water when a set test or a real fire would happen.

Fittings, valves, flow meters and connections

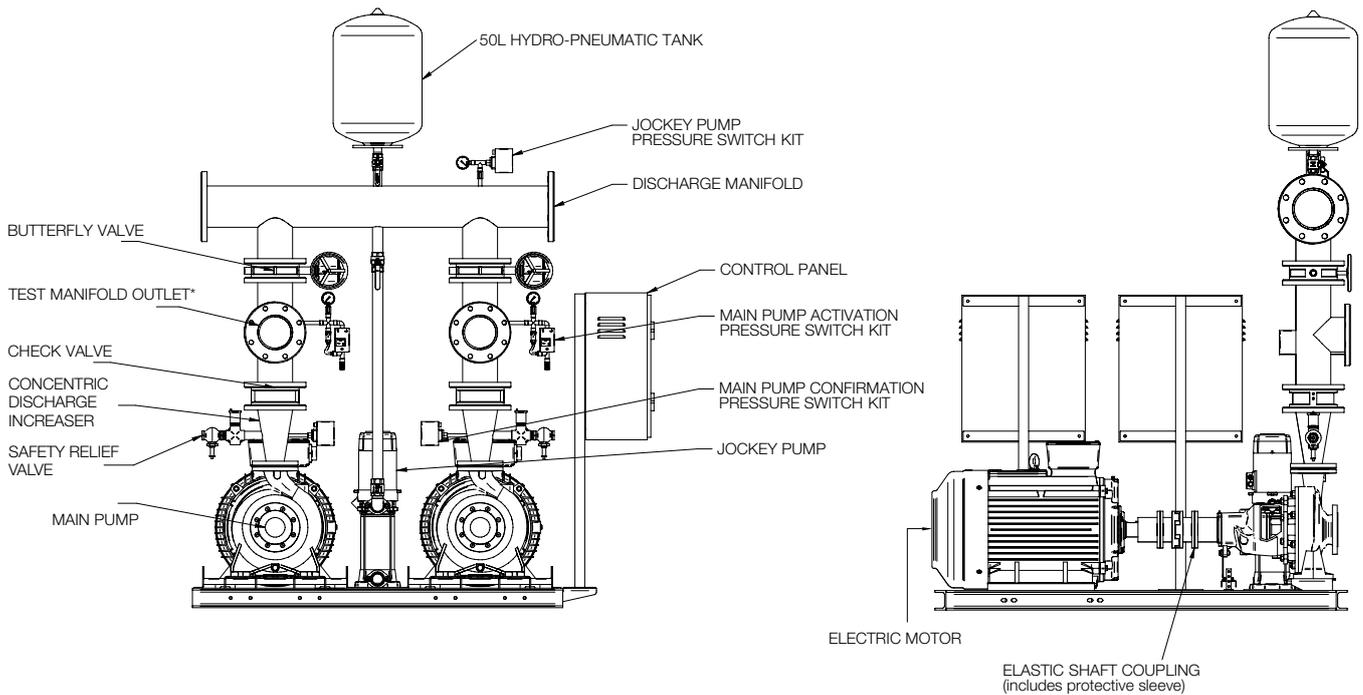
Main manifold is being sized to not exceed water flow over 2 m/s. All valves are reliable, high quality butterfly type with wheel. Pressure switches, pressure gauges, relief valve for tests are included and build in on a common base plate. For diesel motors an additional insulation base plate is supplied.

Control panels

Electro-mechanical control board according to the standards for electric motor pumps with general switch, pump starters, three position selectors for the duty and jockey pumps, led lamp and acoustic alarms, duty pump stop button, voltmeter, ammeter, jockey start counter, support battery.

Ancillary features

Full equipment coloured in RAL 3000, cable connections, twin battery set for diesel engines and fuel tank provided.



XFIRE 2EJ

Skid-mounted firefighting set according to EN 12845

Skid-mounted booster fire pumping sets powered by one or more electric motor or diesel engine units. The duty pump or pumps supply water to the sprinklers or to the fire hydrants network to suppress the fire outbreak as quickly as possible. The number of pumps and their sizing depends on the rated hazard and the installation. Pump starting is automatic by means of the pressure drop in the system to lower than the set-point in the main pressure switch. Should the first duty pump fail, the standby pump will start after the second pressure drop set-point of the secondary pressure switch. If the installation has two power sources twin electric pump units are allowed. Instead, the fire pumping set should contain an electric motor and a diesel engine driven pump sets. Selection of the pump sets are according to the very demanding specs of the standards to avoid short performance curves, to avoid cavitation and guarantee stable operation of the pumps. Hydroo can provide XFIRE sets with HSC split casing double suction pumps, NLFX end suction pumps, NSX end suction SS pumps, vertical in-line pumps as standard that meet the standard.

Double duty electric pump

NLF/X end suction vertical split casing pump or HSC horizontal double suction split casing pump made in ductile cast iron and bronze, cast iron or AISI304 SS impeller. High performance and improved NPSH pumps to provide a reliable fire extinguisher system. IP55, IE3 with flexible coupling and spacer motor for continuous operation. HHP horizontal multistage high pressure pumps, LS vertical turbine pumps and TF/X in-line vertical circulation pumps also available.

Jockey pump

VF vertical multistage pumps of high performance with hydraulics totally made in AISI304 SS to keep the pipe system at a constant pressure ready to supply water when a set test or a real fire would happen.

Fittings, valves, flow meters and connections

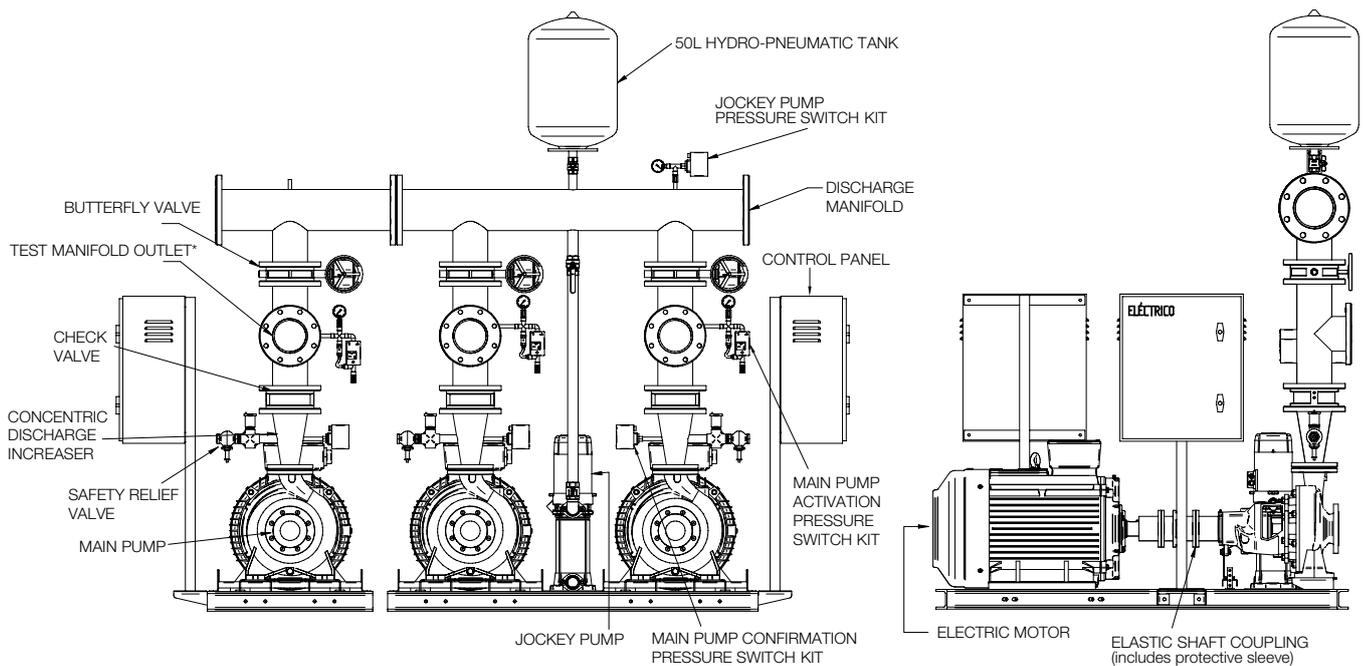
Main manifold is being sized to not exceed water flow over 2 m/s. All valves are reliable, high quality butterfly type with wheel. Pressure switches, pressure gauges, relief valve for tests are included and build in on a common base plate. For diesel motors an additional insulation base plate is supplied.

Control panels

Electro-mechanical control board according to the standards for electric motor pumps with general switch, pump starters, three position selectors for the duty and jockey pumps, led lamp and acoustic alarms, duty pump stop button, voltmeter, ammeter, jockey start counter, support battery.

Ancillary features

Full equipment coloured in RAL 3000, cable connections, twin battery set for diesel engines and fuel tank provided.



XFIRE 3EJ

Skid-mounted firefighting set according to EN 12845

Skid-mounted booster fire pumping sets powered by one or more electric motor or diesel engine units. The duty pump or pumps supply water to the sprinklers or to the fire hydrants network to suppress the fire outbreak as quickly as possible. The number of pumps and their sizing depends on the rated hazard and the installation. Pump starting is automatic by means of the pressure drop in the system to lower than the set-point in the main pressure switch. Should the first duty pump fail, the standby pump will start after the second pressure drop set-point of the secondary pressure switch. If the installation has two power sources twin electric pump units are allowed. Instead, the fire pumping set should contain an electric motor and a diesel engine driven pump sets. Selection of the pump sets are according to the very demanding specs of the standards to avoid short performance curves, to avoid cavitation and guarantee stable operation of the pumps. Hydroo can provide XFIRE sets with HSC split casing double suction pumps, NLFX end suction pumps, NSX end suction SS pumps, vertical in-line pumps as standard that meet the standard.

Triple duty electric pump

NLF/X end suction vertical split casing pump or HSC horizontal double suction split casing pump made in ductile cast iron and bronze, cast iron or AISI304 SS impeller. High performance and improved NPSH pumps to provide a reliable fire extinguisher system. IP55, IE3 with flexible coupling and spacer motor for continuous operation. HHP horizontal multistage high pressure pumps, LS vertical turbine pumps and TF/X in-line vertical circulation pumps also available.

Jockey pump

VF vertical multistage pumps of high performance with hydraulics totally made in AISI304 SS to keep the pipe system at a constant pressure ready to supply water when a set test or a real fire would happen.

Fittings, valves, flow meters and connections

Main manifold is being sized to not exceed water flow over 2 m/s. All valves are reliable, high quality butterfly type with wheel. Pressure switches, pressure gauges, relief valve for tests are included and build in on a common base plate. For diesel motors an additional insulation base plate is supplied.

Control panels

Electro-mechanical control board according to the standards for electric motor pumps with general switch, pump starters, three position selectors for the duty and jockey pumps, led lamp and acoustic alarms, duty pump stop button, voltmeter, ammeter, jockey start counter, support battery.

Ancillary features

Full equipment coloured in RAL 3000, cable connections, twin battery set for diesel engines and fuel tank provided.

hydroo[®]

Be pumping partners

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