

Sprint | S P



Type & Construction

Sprint is a new generation range of single-stage, close-coupled centrifugal type pump. Its entire hydraulic wet-ends manufactured are from stainless steel - **AISI-304** or **AISI-316**. Adopting a unique stamping process, the end product is one of superior quality and efficiency to meet today's sophisticated application requirements in the building services and the general industries.

Applications

- General water transfer & pressure boosting applications.
- Industrial process circulation & machine cooling.
- Small scale irrigation in gardens & lawns.
- Landscaping & water features.

Technical Data

- Capacity | **Max. 260 lit/min**
- Head | **Max. 60 m**
- Liquid temp. | **-15 to 80°C**
- Operating pressure | **Max. 8 bar**

Siera | S R



Type & Construction

This horizontal multistage close-coupled centrifugal pump has its entire hydraulic wet-ends constructed in **AISI-304** or **AISI-316** pressed stainless steel. Adopting a unique stamping process, the end product is one of superior quality and efficiency to meet today's sophisticated application requirements in the building services and the general industries.

Applications

- General water transfer & pressure boosting applications.
- Industrial process circulation & machine cooling.
- Small scale irrigation, landscaping & water features.
- Fire hoses reel.

Technical Data

- Capacity | **Max. 116 lit/min**
- Head | **Max. 50 m**
- Liquid temp. | **-15 to 80°C**
- Operating pressure | **Max. 10 bar**

Gen-X | G X



Type & Construction

Conformed to DIN24255, *Gen-X* is designed with with two versions - Model GX which motor is close-coupled to the pump hydraulics, with the impeller mounted on the extended shaft of the motor. In Model GXF, the standard IEC motor is coupled to the hydraulics via a stub-shaft and an intermediate adaptor.

Applications

- General water transfer & pressure boosting applications.
- Industrial process circulation & machine cooling.
- Small scale irrigation, landscaping & water features.
- Cooling tower water circulation.

Technical Data

- Capacity | **Max. 1,200 lit/min**
- Head | **Max. 55 m**
- Liquid temp. | **-15 to 80°C**
- Operating pressure | **Max. 10 bar**

Linear | L N



Type & Construction

Excellent design features place Monoflo *Linear* stainless steel vertical multistage in-line pump at a high level of quality and optimum performance. Its vertical design with small foot-prints, makes it ideal for installations where floor space is a premium.

Applications

- General water transfer & pressure boosting applications.
- Industrial process circulation & machine cooling.
- Boiler feed.
- High pressure cleaning.
- Irrigations.

Technical Data

- Capacity | **Max. 1,250 lit/min**
- Head | **Max. 290 m**
- Liquid temp. | **-15 to 80°C**
- Operating pressure | **Max. 30 bar** [Dependence on fluid temperature and number of impeller stages of the pump]

SIL-Tec | S L



Type & Construction

With advanced engineering, *SIL-Tec* is a range of sleek & compact, monobloc multistage electric centrifugal pumps, designed to operate quieter than most fan-ventilated motor-driven pumps. It operates at **noise level of 35 dBA or less**, making it ideal for handling water and pressure boosting in residential and commercial places such as schools, hotels, theaters, hospitals, etc., where low operating noise is of optimum importance.

Applications

- General water transfer & pressure boosting applications.
- Industrial process circulation & machine cooling.
- Landscaping & water features
- Light irrigations.

Technical Data

- Capacity | **Max. 220 lit/min**
- Head | **Max. 90 m**
- Liquid temp. | **up to 35°C**
- Noise level | **35 dBA**



With more than 40 years' history in the pump industry, Monoflo's application experience has been most varied. From the late 1950's, Monoflo Pumps were used extensively in agriculture installations. Over the years, it has found its way into building services, industrial processes and fire protection services. This can only be realised with continual product development to meet industry needs. Today, the industry's confidence in Monoflo's quality and reliability has cumulated in having Monoflo Pumps installed in modern buildings and industrial processes for various applications. From ensured uninterrupted water supplies to climate control systems, drinking water systems, recreation facilities and many others, making Monoflo a part of our daily lives.

Monoflo's growth started out in the 1960's in the Australian and New Zealand agricultural markets. With the growth of the Asian market in the 1970s, more opportunities were presented with potentials for new product developments and businesses. Capitalising on the growths in the industry, Monoflo began to build a strong footing in the Asia Pacific region. It was during this period that the 'Monoflo' brand was entrenched into the minds of pump users in the region.

With a mindset of constant product and market development, Monoflo has an outreach program to tap on potential markets and growth sectors. We have now set foot in the Middle East to be part of its vibrant growth in the building industry, sharing our wealth of experience in supplying state-of-the-art systems to landmark buildings in the region.

A long term objective to develop a world class brand, necessitates continual product and market development to stay abreast of world trends in pumps. Along with continual review of engineering considerations, Monoflo will strive to touch lives, through the integration of our pumps in various aspects of daily living experiences, maintaining stable and comfortable living conditions, hence...

Monoflo Pumps... *'engineering flow in our lives'*.



As MONOFLO Pumps is constantly improved, we reserve the right to make specification changes without prior notice and without incurring liability. © | Copyrights Reserved | Monoflo Pumps Pty Ltd



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**DIN-Master
DMT**



Type & Construction

DIN24255-conformed horizontal, single stage, end suction, 'back pullout', centrifugal type. Suitable for direct coupling to a 2 or 4-pole electric motor or engine, by means of a flexible or spacer coupling, mounted on a common skid.

DIN-Master is available in various material executions, and shaft seals may be gland packed or fitted with mechanical seals.

Upgraded 'pump end' angular contact bearing design with re-greaseable bearings. 'Safe guards' are installed to prevent rotating shaft from human reach while in operation.

Applications

- General purpose water transfer & pumping applications
- Pressure boosting & water supply
- Chilled & condenser water circulation in central air-conditioning systems
- Landscaping water features & pool applications
- Industrial applications including circulation for machine cooling; and in general manufacturing processes.
- Irrigation

Technical Data

- Capacity | **Max. 300 litres/min**
- Head | **Max. 150m**
- Liquid temp. | **from 80 to 105°C** (Dependence on type of shaft seal)
- Operating pressure | Up to **Max. 16 bar** [Standard] (Refer to technical manual for models operating at 10 bar)
- **24 bar** [Optional] (Variance in material of construction)

**ISO-Magna
ISM**



Type & Construction

Horizontal, single-stage, end suction, 'back pullout', centrifugal type, conforming to **ISO2858**. Suitable for direct coupling to a 2 or 4-pole electric motor or engine, by means of a flexible or spacer coupling, mounted on a common skid.

ISO-Magna is designed with a robust shaft and fitted with design-rated 'heavy-duty' bearings, which ensure exceptionally long and trouble-free operating life.

Pumps are available in various material executions, and shaft seals may be gland packed or fitted with mechanical seals.

Applications

- General purpose water transfer & pumping applications
- Pressure boosting & water supply
- Chilled & condenser water circulation in central air-conditioning systems
- Landscaping water features & pool applications
- Industrial applications including circulation for machine cooling; and in general manufacturing processes.
- Irrigation

Technical Data

- Capacity | **Max. 250 litres/min**
- Head | **Max. 160m**
- Liquid temp. | **from 80 to 105°C** (Dependence on type of shaft seal)
- Operating pressure | Up to **Max. 16 bar** [Standard] (Refer to technical manual for models operating at 10 bar)
- **Max. 24 bar** [Optional] (Variance in material of construction)

**Vector
VT**



Type & Construction

Designed in accordance to **ISO2858** performance standard, Vector is a range of vertical, single-stage, in-line, 'top-pullout' centrifugal pumps, with in-line flanged suction and discharge ports, driven by an electric motor. Vector is characterised by the compact build of the pump, ease in installation; and servicing & maintenance when required.

The vertical in-line construction allows direct mounting onto pipework to realise the savings in installation cost and space, when compared to horizontal base-mounted pumpsets. Where space is limited and piping configuration and accessibility for maintenance are important, Vector is the ideal option.

Applications

- General purpose water transfer, circulation & pressure boosting
- Chilled & condenser water circulation in central air-conditioning systems
- Fire protection
- Industrial applications including circulation for machine cooling, heat exchanger and general manufacturing processes.
- Marine & shipbuilding
- Landscaping & water features
- Horticultural irrigation & sprinkler systems

Technical Data

- Capacity | **Max. 250 litres/min**
- Head | **Max. 160m**
- Liquid temp. | **from 80 to 105°C** (Dependence on type of shaft seal)
- Operating pressure | Up to **Max. 16 bar** [Standard]
- **Max. 24 bar** [Optional] (Variance in material of construction)

**Kompact
KP**



Type & Construction

Horizontal, axially split case centrifugal type. This new generation HSC pump is compact in design with short shaft span, reducing overall pump dimension, and shaft deflection to minimum.

Design allows upper half of casing to be removed for easy inspection & maintenance of the hydraulic assembly, without disturbance to pipework.

The hydraulic matching of casing and impeller minimises axial thrust and recirculation, ensuring high efficiency performance, excellent NPSH characteristics, and quiet operation.

Fitted with re-greaseable deep groove ball bearings, and replaceable wear rings. Shaft seals are of mechanical type.

Applications

- General purpose water transfer & pumping applications
- Pressure boosting & water supply
- Chilled & condenser water circulation in central air-conditioning systems
- Fire fighting
- Water intake & municipal waterworks
- Irrigation
- Power plants

Technical Data

- Capacity | **Max. 18,000 litres/min**
- Head | **Max. 150m**
- Operating pressure | **Max. 16 bar** [Standard]
- **Max. 24 bar** [Optional] (Variance in material of construction)

Technical Data

- Capacity | **Max. 250 000 lit/min**
- Head | **Max. 150m**
- Liquid temp. | **Max. 80 to 105°C** (Dependence on type of shaft seal)
- Operating pressure | **From 10 to 16 bar** (Dependence on pump models, material of construction & temperature of fluid handled)

**Maxima
MX**



Type & Construction

An extension of the Kompact Series, Maxima is a range of large flow horizontal, axially split case, double suction centrifugal type pumps. Incorporating advances in Computational Fluid Dynamics analysis, Maxima offers high efficiency performance, reliable & long life service resulting in less downtime and maintenance cost.

The 'double flow' design impeller provides a quiet operation, minimum vibration & pulsation, low NPSH-required and optimum flow. In addition, with this 'balanced' construction, the thrust load is reduced, hence prolonging bearing life.

Designed with 'dual shaft-extension', allows options in connecting the driver on either end of the shaft, depending on installation site condition or pipe layout.

Applications

- General purpose water transfer & pumping applications
- Chilled & condenser water circulation in district cooling and central air-conditioning systems
- Fire fighting
- Raw water intake & municipal waterworks
- Irrigation, drainage & flood control
- Industrial & process application including power plant, pulp & paper, steel & sugar mills, fertiliser plants, marine & shipbuilding, etc.

Technical Data

- Capacity | **Max. 250 000 lit/min**
- Head | **Max. 150m**
- Liquid temp. | **Max. 80 to 105°C** (Dependence on type of shaft seal)
- Operating pressure | **From 10 to 16 bar** (Dependence on pump models, material of construction & temperature of fluid handled)

**Hydra+
HD**



Type & Construction

Horizontal, radially split, multistage centrifugal type, suitable for direct coupling to a 2-pole or 4-pole electric motor or an engine, all integrally mounted on a common skid.

This 'through-bolt' construction, holds together the suction & discharge casing, the intermediate casings (stages) and diffusers. The impellers are single suction, enclosed type and of radial flow design for optimum hydraulic performance and efficiencies.

Hydra+ features a variety of material combinations, and (shaft) seal types, to meet various operating conditions. The bearings are of 'ball' and 'roller' type.

Applications

- General water transfer, supply & distribution
- High head water transfer in high rise buildings
- Pressure booster systems
- Fire fighting & sprinkler systems
- Water intake & municipal waterworks
- Irrigation
- Mining

Technical Data

- Capacity | **Max. 8 300 m³/hr**
- Head | **Max. 39 bar**
- Liquid temp. | Up to **105 ~ 140°C** (w/ standard shaft seal & optional cooling)
- From **140 to 190°C** (w/ special seals & cooling arrangement)
- Operating pressure | **From 27 to 34 bar** (Dependence on pump models & temperature of fluid handled)

**RedLine
RLS**



Type & Construction

The comprehensive range of End Suction Pumps, Model RLS, performs in accordance to AS2941. It is designed to meet a range of flowrates required in the various hazard group classification - the Ordinary Hazard Class for fire sprinkler systems, from OH Group 1, 2 & 3, to OH Group Special Class and Extra High Hazard.

Redline can be supplied in a factory-assembled package fire unit comprising the pump, its driver and a controller, mounted on a common frame as an integral system. The package shall also include pressure gauges.

Applications

- Fire sprinkler systems; hydrant & wet riser systems; and deluge system in...
- Commercial buildings including offices, condominiums, schools institutions, subway stations, hospitals, entertainment & sport complexes.
- Industrial facilities including warehouses, mills, shipyards, chemical storage facilities and factories.

Technical Data

- Capacity | **Max. 300 litres/min**
- Head | **Max. 150 m**
- Liquid temp. | **Max. 80°C** (Dependence on type of shaft seal)
- Operating pressure | Up to **Max. 12 bar** [Standard] (For 'high' head models, max. working pressure up to 16 bar)

**RedLine
RLD**



Type & Construction

Where higher flows are required, RedLine offers Horizontal Split Case Fire Pumpset (Model RLD) with options to be electric motor or diesel engine driven. They feature capacities up to 20,000 USGPM (75,500 lit/min) covering a wide range of pressures.

With its split case design, the pump is serviceable without disturbing the piping, simplifying inspection and disassembly. The impeller is a hydraulically-balanced, double-suction, 'staggered vane' design, which ensures quiet operation, minimum vibration, low pulsation, low NPSH-required and optimum flow. With this 'balanced' construction, the thrust load is reduced, hence prolonging the life of the bearings

Applications

- Fire sprinkler systems; hydrant & wet riser systems; and deluge system in...
- Commercial buildings including offices, condominiums, schools institutions, subway stations, hospitals, entertainment & sport complexes.
- Industrial facilities including warehouses, mills, shipyards, chemical storage facilities and factories.

Technical Data

- Capacity | **Max. 20,000 USGPM (75,500 lit/min)**
- Head | **Max. 150 m**
- Liquid temp. | **Max. 80°C** (Dependence on type of shaft seal)
- Operating pressure | Up to **Max. 12 bar** [Standard] (For 'high' head models, max. working pressure up to 16 bar)

