

**ROTTERDAM
DUBAI
DALIAN**



**DEEP BLUE PUMP COMPANY, THE COMPANY ENGAGED IN THE MANUFACTURING
OF INTERNATIONAL HIGH QUALITY CENTRIFUGAL PUMPS TO MEET ALL
REQUIREMENTS (DIN, ANSI, API STANDARDS)**



**WATER
PUMPS**



**MINING
PUMPS**



**CHEMICAL
PUMPS**



**PETRO-CHEMICAL
PUMPS**

PUMPING TECHNOLOGY

DEEP BLUE PUMP CO.

A company will become strong competitive with advanced technology in the Market.

We paid extensive attention on research and exploitation of technology from the first start. At the same time, we also concentrated on establishment of technology innovation and environmental issues to promote exploitation of our products and markets.

We are a multi location pump company engaged in the manufacture of a diverse range of international quality pumps. We have closely understood and successfully met the pumping requirements of the global industry. -



MANAGEMENT AND CULTURE

Deep Blue Pump Co. is a Dutch pump manufacturer with its offices and assembly shop located in the heart of the logistic centre of The Netherlands, Rotterdam Euro-poort.

Deep Blue Pump Co. products are being used worldwide in a vast variety of industrial markets such as refineries, offshore, water and chemical.

Deep Blue Pump Co. provides European quality backed up by reliable warranties and after sales service.

Objective

Diversification: Serve Oil & Gas Production Off Shore, Chemical Refining, Coal Chemical, Nuclear Power, and water Market
Differentiation: Products differentiation based on market position

Globalization: World class R&D ,Production, Service and Management
Competitive Advantage: Be market leader in our top 4 served industry
Grow with Global supplier and Global customer
To become top 20 (petro) chemical pump producer in the world

Mission

Continuously carry out technology and management innovation to provide customer with best products and service, build Deep Blue Pump Co. into a world class firm with sustainable growth capability, thus achieve higher return for our shareholders, customers ,employees and society

Vision

To become the most valuable chemical equipment supplier in the world.

Customer: Customer always right, our mission is to satisfy customer demand

Employee: Employee is the most valuable asset of the company, the driving force of our growth. The accomplishment of our goal fully rely on the great efforts of employees, we respect every input and suggestions from employees

Integrity: We treat our customer, employee ,supplier and share holder with integrity ,dignity and respect, we act on our words with honor

Quality: Relentless pursuit of perfection is our working principle

Innovation: Our name may stay the same, everything else need to be adapted to external market environment

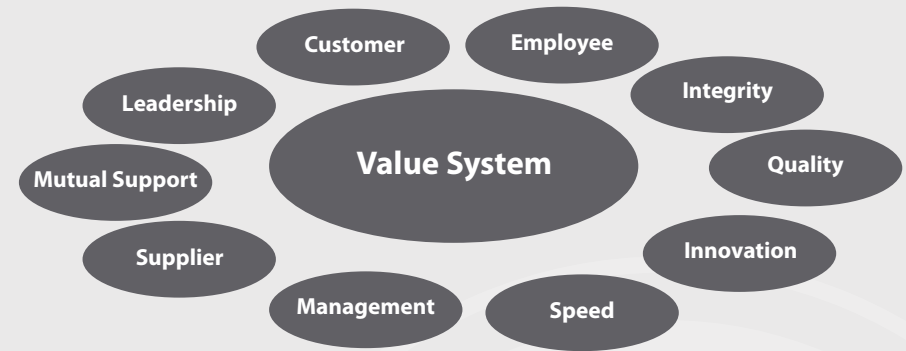
Speed: Speed to the market to obtain competitive advantage, high speed in technology adoption, production and service

Management: Simple and Efficient Work Flow Management is our core management principle

Supplier: Supplier is the most important part in our market value chain, we build strategic partnership with each of them Corp De Spirit and Mutual Trust. We cherish cooperation, mutual trust and responsibility within our organization, we also

encourage individual creativity, encourage our employee to achieve their personal goal as well as collective goal.

Topmanagement shall carry great responsibility and integrity, embrace the continuous learning attitude, build constructive relationship, be communicative and bring the best out of peers and subordinates.



PRODUCTION CAPACITY

Casting

Area of structure: 7,200m²

Equipment: 7 sets medium-frequency induction furnace of 250~3000Kg.

Capacity: 2000 ton/year

Single piece weight: 12 ton

Casting material: more than 40 kinds of nickel-base alloy, duplex SS and Austenitic SS, according to GB and ASTM standard

Machining

Area of structure: 9,500m²

Equipment: 206 sets of lathe, miller, planer, grinder, borer, driller and reamer, including imported machining center, NC multiple driller, NC boring-milling machine

Capacity parameter: turning diameter≤4.0m, turning length≤10m, grinding length≤4.0m, milling dimension 2.5X5.0m, boring dimension 2.5X2.5m

Assembly and testing

Standard pump workshop: Area of structure: 8,500m², elevating capacity 10 ton, ≤250KW automatic enclosed testing bench.

Special pump workshop: Area of structure: 7,000m², elevating capacity 50 ton, 3000KW automatic open testing bench.

Nuclear pump workshop: Area of structure: 3,000m², elevating capacity 5 ton, with A grade water treatment system.

Production management

Advanced group technology organizing production

Overall using ERP production resource management system



QUALITY CONTROL:

Quality assurance system

ISO9001 certification, all the process of designing and development, fabrication, sales and service will be accordance with the ISO certification, to permit the high efficiency of production business, and high quality performance.

Quality target

Will be the cooperative associate for all the clients, with advanced technology, high quality products, and perfect service. Inspection and testing equipment
Dynamic balance equipment Type: YYW160, YYQ-5, HM60V Precision: ISO 1940 G1.0
Balance weight: 800Kg Balance speed: 6000r/min

Physical and chemical testing equipment

PMI Hydraulic universal test machine Impact tester Durometer Stress failure machine
Vibration failure machine NDT equipment Supersonic flaw detecting machine

Radiographic flaw detecting machine Magnetometer Infrared Hardness Tester X-ray film machine Static hydraulic pressure equipment.

More than 10 sets static hydraulic Pressure equipment Testing pressure will achieve to 60MPa Measuring tool

Various types of gauge calibration, chock gauge, external cylindrical gauge, and etc, more than 500 sets high precision measuring tools.



SALES AND SERVICE

Service system

Sub service company can afford the technical support and operation and maintenance service. With the perfect spare parts supply system, we can give the client's convenient service for spare parts. Furthermore, our service engineer will inspect the client's jobsite.

Service promise

No matter what's kinds of problem in jobsite, we promise to start our jobsite service within 24 hours, with the principle of settling down the trouble. Within warranty, we will be response for maintenance and change the equipment. After warranty, we will submit the service for life, without any service fees.



APPLICATION

Product model

More than 40 series and 100 types, and the construction cover all the API 610 pumps.

Terminal parameters

Max. flow: 20000m³/h
Max. head: 3500m
Max. speed: 22700r/min
Max. tem: 450
Max. pressure: 42MPa

Design standard

API, ISO, ANSI, DIN, GB and other standards.

Application field

Our products is widely used in petrochemical, chemical, fertilizer, steel, coking, coal chemical, food, electrical power, car, metal, pulp, mine smelt, city water supply, oil field and nuclear industry.



TECHNOLOGY DEVELOPMENT

Personnel structure

More than 60 technicians, 9 high-grade engineers, 32 engineers, 19 other technicians.

Working content

- New products design
- New technic innovation
- New technology institute
- New material research
- Client technical support
- Personnel training
- Three-dimensional analog flow field analysis
- Hardness analysis calculation

Design methods

- AUTOCAD, MDS2002
- CAPP
- UG
- CFD
- ANSYS
- PUMPCAD

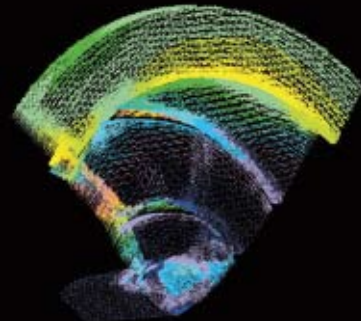
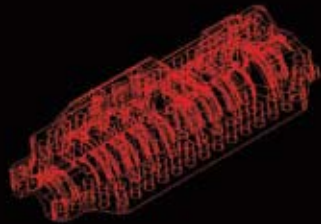


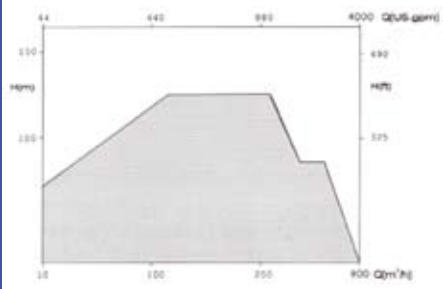
Technical cooperation

Good relationship with local pump scientific research unit and academy, which can promote our technology.

Development orientation

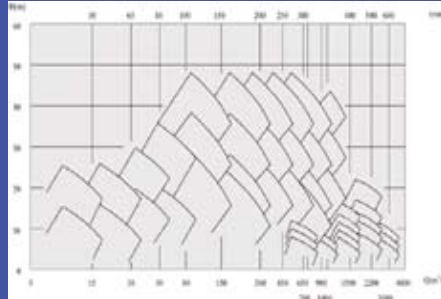
We invest 3% of turnover per year for technology research to promote the technical content of products, which can bring us to the advanced level in the world. At present, our products is towards high tem, high pressure, low temperature, high efficiency, high NPSH performance, wear-less, high security, large sized, complete sets.





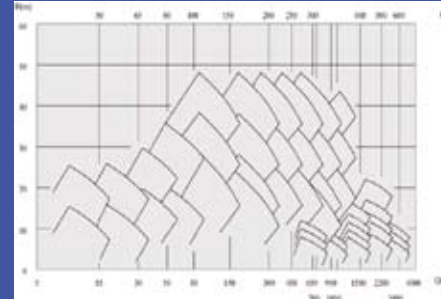
WATERFLO WF General Purpose pump Series acc.to the. DIN24255 standards

Design specification: DIN 24255
Capacity 2~900m³/h Head ~140m T ~+105C Pressure ~1.6Mpa;
Applicable Cooling water Water supply/distribution. Fire protection, drainage, Irrigation. General industrial services. Summarize Horizontal, single stage, single suction, radial split, foot support volute pump. high interchangeability. high reliability, high efficiency.



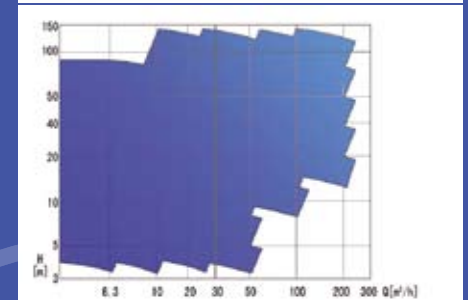
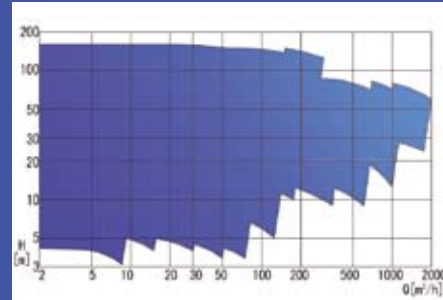
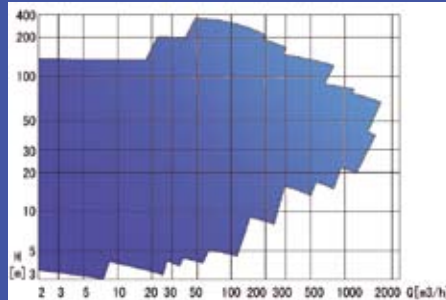
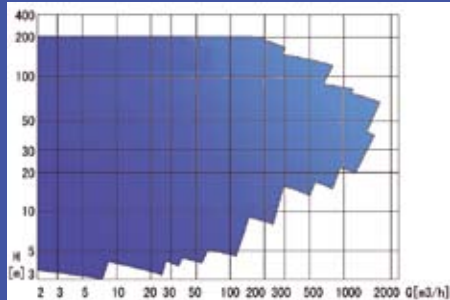
SPLITFLO RE heavy duty horizontal split-case pump

Capacity 18.000m³/h Head ~200m T ~105 celcius, Pressure ~2.5MPa
Applicable Liquid transportation for water works air-conditioning, irrigation, drainage pump station-fire-fighting system, ship-building and so on. Summarize single stage, double suction, split volute casing, horizontal heavy duty centrifugal pumps with closed impeller, and the axial force balanced by balancing hole. Kinds of seal type can be fitted. Back pull designing is easy for maintenance. High interchangeability with low operation cost.



TURBINEFLO Series vertical turbine pump

Capacity 8~60.000m³/h Head ~90m T ~+60~ Pressure ~1.5MPa
Applicable fields of public work, steel and iron metallurgy, chemistry, paper-making, tapping water service, power station and irrigation and water conservancy, etc. Summarize Single / multistage closed or semi-open adjustable impeller. Surface or underground discharge head, shaft and bearings combinations promote long life with options of open or enclosed line shaft construction.



PROFLO PF Series chemical process pump

Design specification ANSI B73.1M
Capacity PROFLO ~1400m³/h,
Head PF ~223 m. T -40~+371
Celcius. Pressure ~2.5Mpa. Appli-
cable Chemical, oil, refining, paper
making, refine sugar, pharmacy,
power station, steel making, tank
car delivery, oil residue transferring.
Summarize PF is the standard chemi-
cal pump. SP is standard chemi-
cal self-priming pump. Single stage,
single suction, overhung. Back open
impeller, high efficiency, stable oper-
ation. External shaft adjustment
construction.

PROFLO ANS series chemical process pump

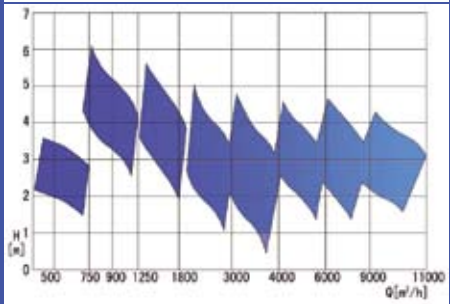
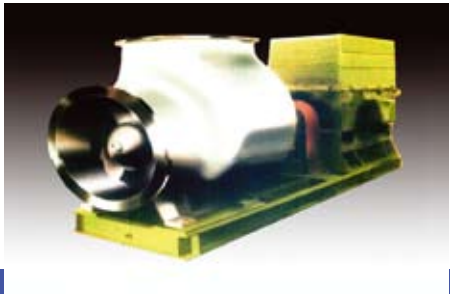
Design specification B73.1M Capa-
city ~2000m³/h, 2~250m³/h Head
~250 m, ~150 m T -40~+260 Pres-
sure ~2.5Mpa, ANSZ ~2.0 Mpa
Applicable Chemical, oil, refining,
paper making, refine sugar, phar-
macy, power-station, steel making,
tank car delivery, oil residue trans-
ferring.
Summarize ANS is chemical process
pump ANSZ is chemical process
self-priming pump. Single stage,
single suction, overhung.
Back open impeller, high efficiency,
stable operation. External shaft
adjustment construction.

ISOFLO series chemical process pump

Design specification ISO2858
Capacity 2~2000m³/h Head ~160m
T -40~+260 Pressure 2.5Mpa
Applicable Chemical, petrochemi-
cal, steel making, power station,
pulp, pharmacy, foodstuff, refine
sugar. Summarize Horizontal,
single stage, overhung, single suc-
tion, foot support, closed impeller.
Standard seal chamber applicable
for kinds seal plan. Oil lubrication
controlled by oil cup. As shaft is not
wetted part, the working time can
be enlarged. Back pull structure,
easy for maintenance.

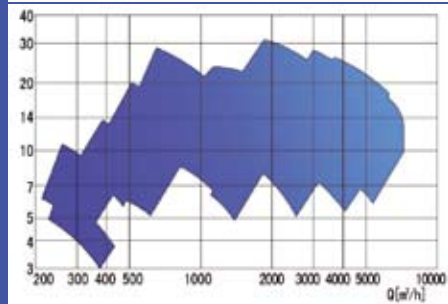
ISOFLO SP series self priming chemical process pump

Design specification ISO 2858 Ca-
pacity 6~200m³/h Head ~125m T
-80~+240 Pressure~1.6MPa
Applicable Tank pump drainage,
tank car lading, sewage drainage,
ship water supply and drainage.
Summarize Single stage, single suc-
tion, overhung, radial split foot sup-
port volute pump. External mixing
type construction, high efficiency,
starting without filling pump, good
self priming performance. Closed
impeller, axial force balanced by
vane. Various kinds of seal types can
be fitted. Back pull designing is easy
for maintenance.



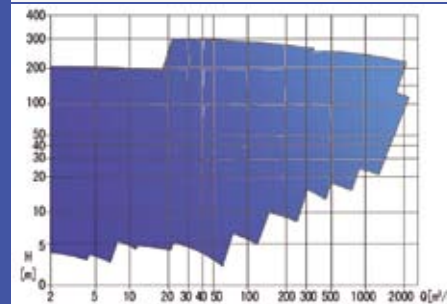
ELBOWFLO series chemical axial flow pump

Design specification ISO2858
Capacity 460~11000m³/h Head 2.4~8m T 0~+180 Pressure 0.6 Mpa. Applicable Large capacity and low head condition in making salt or making alkaline circle system especially. Summarize Horizontal, single stage, single suction, overhung axial flow pump. Simple structure and high dependability. Casing is 90°angle branch or volute structure. Suction and discharge position is top/end, also can be designed according to the requirements of client. Packing and double seal can be fitted.



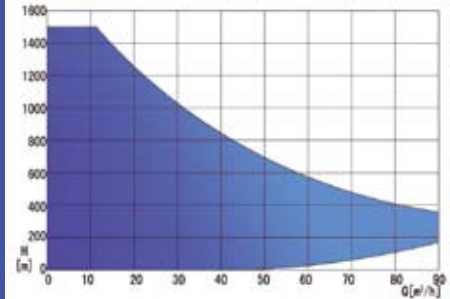
SOLIDFLO series chemical mixed flow pump

Design specification ISO2858
Capacity ~7000m³/h Head ~25m T-20~+180 Pressure 0.6Mpa Applicable Forced circulation, water treatment circulation, seawater breed aquatics, city gas project. Summarize. Single stage, single suction, overhung mixed flow pump. Semi-open impeller, axial force balanced by balancing hole. Each kinds of seal type can be fitted. High efficiency, low energy cost, open valve starting. As the large overflowing cross section, non blinding.



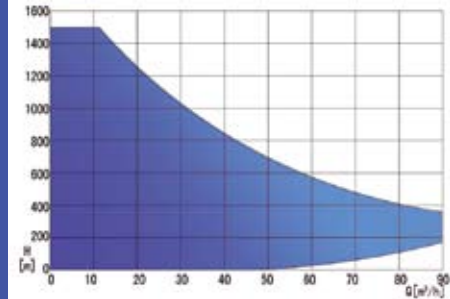
HTFLO series petrochemical process pump (OH1)

Design specification API610 (th7)
Capacity 2~2600m³/h Head ~240m T -80~+450~ Pressure ~2.5MPa Applicable Refinery, Petrochemical, chemical, low temp, power station, environment protection, offshore platform. Summarize Closed or semi-open impeller for ESH, as well as open impeller for ESHK. Horizontal, single suction, single stage, radial split, foot support volute pump. For closed and semi-open impeller, axial force will be balanced by balancing hole and wear rings. For open impeller, axial force will be balanced by vane.



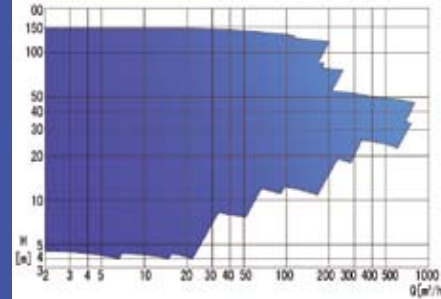
APIFLO EGS-L series vertical high speed pump (OH6)

Design specification API610 Capacity 2~90m³/h Head ~1500m Pressure ~15Mpa T -130~+260 Speed ~22470r/min. Applicable Petrochemical, refining, power station, inorganic chemistry, paper making, environment protect. Summarize Gear up, single stage, single suction. Simple construction, smart axial dimension. The rigidity and intensity will assure the stable operation. Vertical mounted with small space. Gear box made from high strength aluminum alloy, with cooling performance.



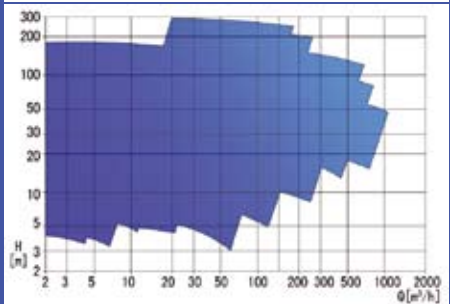
APIFLO EGS-W Series horizontal high speed pump

Design specification API610 Capacity 2~90m³/h Head ~1500m Pressure ~25Mpa T -130~+340 Speed ~22470r/min. Applicable Petrochemical, refining, power station, inorganic chemistry, paper making, environment protect. Summarize Gear up, single stage, single suction. Simple construction, smart axial dimension. The rigidity and intensity will assure the stable operation. Horizontal mounted, gear box made from spheroidal graphite iron. Very limited and interchangeable parts, easy for maintenance.



PROFLO ANSG series chemical process in-line pump

Design specification ANSI B73.1M Capacity 2~250m³/h Head ~150 m T -40~+150 Pressure ~2.0 Mpa Applicable Petrochemical, paper making, oil, chemical, pipeline booster, water supply and sewerage. Summarize Single stage, single suction, inline pump. Inlet and outlet is horizontal concentric. Pump and motor connected with spacer coupling, which is easy for maintenance. Back open impeller, high efficiency, stable performance. External axial adjustment construction.

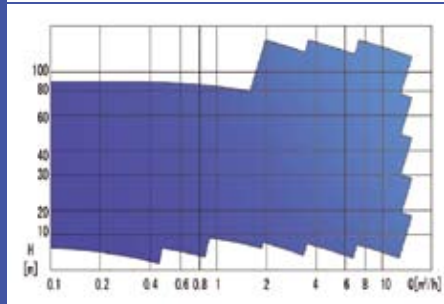


APIFLO P series Petrochemical Process Pump (OH2)

Design specification: API610 Capacity 2~2600m³/h Head ~240m T -80~+450 Pressure EAP ~5.0Mpa; EAPG ~10.0Mpa

Applicable: Refinery Petrochemical, chemical, environment protection, low temp, coal, power station, pulp, platform, seawater desalt

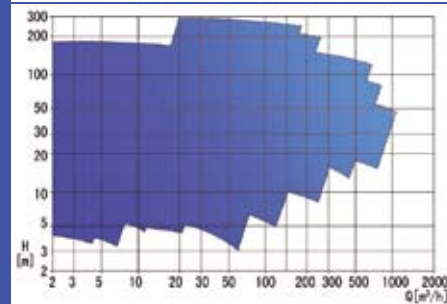
Summarize: Horizontal, single stage, single suction, radial split, centre-line support volute pump. Volute pump with horizontal single stage, single suction, radial split with centre-line support. Interchangeability. high reliability, high efficiency.



APIFLO LF series low flow chemical process pump (OH2)

Design specification API610 Capacity 0.4~15m³/h Head ~125m T -80~+450 Pressure ~2.5MPa

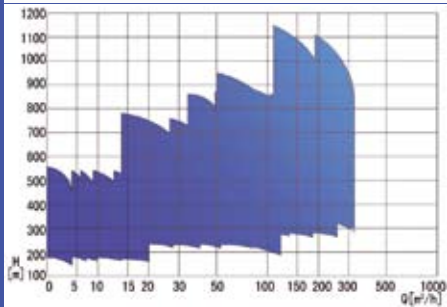
Applicable chemical, Petrochemical, refining, power station, paper making, medicine, foodstuff, refine sugar. Summarize Single stage, single suction, overhung, radial split, centre-line support volute pump. Closed impeller, which can be designed into semi-open impeller, and the axial force balanced by balancing hole. Kinds of seal type can be fitted. Back pull designing is easy for maintenance. High interchangeability with low operation cost. Oil lubrication controlled by oil cup.



MAGFLO MDP Series magnetic drive pump (OH1/OH2)

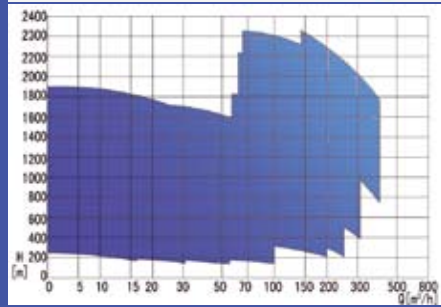
Design specification API685 Capacity 2~1200m³/h Head ~190m T -80~+350 Pressure ~4.0Mpa Power ~315KW.

Applicable Refining, Petrochemical, environment protection, pharmacy, bio engineering, printing and dyeing. Summarize Horizontal, single stage, single suction, radial split. 100% non-leakage, for handling flammable, strongly corrosion and toxic liquid. The designing of flushing, lubrication and cooling device are fully comply with API685 1st revision, which can make internal flushing, external flushing, cooling, filtrate, pressure monitoring.



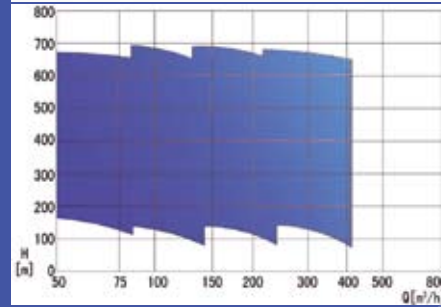
APIFLO MK series Horizontal Split Multistage Pump (BB3)

Design specification API610
Capacity ~800 m³/h Head 140~1000 m T 0~+120 Pressure ~15 MPa Applicable boiler feeding water, offshore platform, Petrochemical, chemical, power station. Summarize Horizontal Split, volute multistage pump. Impeller symmetry distribution, separately orientation for each stage, fully balancing axial force with stable operation. Horizontal split, easy for maintenance. Ring elastic seal fitted between stages, as well as skin gasket between casings.



APIFLO M series Self balanced Horizontal Multistage Pump (BB4)

Design specification API610
Capacity ~800 m³/h Head ~2800 m T -80~+450 Pressure ~28 MPa Applicable Petrochemical, chemical, boiler feeding water, seawater, descaling pump, high pressure buck water pump. Summarize Ring section pump multistage pump single casing for MK Series double casings for MKA Series. Long working period, as impeller symmetry distribution and axial force auto balanced. As no balancing system, the fluid with solid particle can be pumped. High reliable operation, as the rigidity shaft.



APIFLO MR / DR Series radiation feed pump (BB4/BB5)

Design specification API610
Capacity ~400 m³/h Head ~1000 m T ~+450 Pressure ~15 MPa. Applicable Petrochemical, chemical, coking stoker feed pump, and other working conditions with high temp. and impurity. Summarize Horizontal and ring section pump multistage pump. Single casing for MR Series, double casing for DR Series. Rigidity rotor is high reliable, which can be emergency starting at normal heat impact. Axial force is balanced by balancing system, as well as remnants axial force withstanded by thrust bearing.



VERTIFLO LYA Series long shaft submerged pump

Design specification ISO2858
Capacity 2~900m³/h Head 5~135m
T -20~+125 Pressure 1.6Mpa Pump length ~7018mm. Applicable Sewage water treatment, cement mill, power station, petrochemical. Summarize Single stage single suction vertical long shaft submerged pump. Reliable connecting shaft, special balancing chamber with high reliability, which can enlarge the maintenance period. Packing seal with self flushing or external flushing, applicable for transferring clean liquid or with some particle.



VERTIFLO LG Series high temperature submerged pump

Design specification ISO2858
Capacity 2~400m³/h Head 5~100m
T ~+500 Pressure 1.6Mpa Pump length ~5632mm. Applicable chemical, oil industry, refining, iron & steel, power station. Summarize Vertical, single stage, single suction, axial split volute pump. Three kinds of construction. LG for low melting point, the liquid will be concretio-nary after stop, such as asphaltum; LGJ jacket pump for low melting point, the liquid will be concretio-nary after stop very soon, such as sulphur.



APIFLO LC series vertical Tank Pump (VS4)

Design specification API610
Capacity 2~250m³/h Head ~150m
T -20~+250 Pressure 4.0Mpa Pump length ~3535mm. Applicable Petrochemical, chemical, foodstuff, pharmacy, medical, textile, tank and storage. Summarize Single stage, single suction, vertical, volute pump. Rigidity shaft designing. Kinds of mechanical seal can be fitted to assure the safe operation. Pairs of bearing withstand residual axial force and rotor weight. Oil lubrication. Air cooling is applicable for bearing housing, as cooling can be fitted on bearing housing.



APIFLO V series Vertical can pump

Design specification API610
Capacity ~800m³/h Head ~800m
T -80~+150 Pressure 10.0Mpa Pump length ~2635mm. Applicable Refining, low temp, offshore plat-form, liquid ammonia, condensa-tion, liquid gas. Summarize Multistage, ring section, vertical construction. First impeller is high NPSH performance. Axial force will be balanced by balance disc. Casing withstand the suction pres-sure. Pump length will be confir-med according to the NPSHa. It also can be used as multistage submerged pump. Cartridge me-chanical seal, as well as dry gas seal.

GLOBAL COVERAGE



YOUR DEEP BLUE PUMP CO AGENT



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