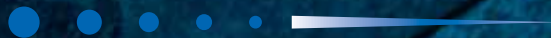
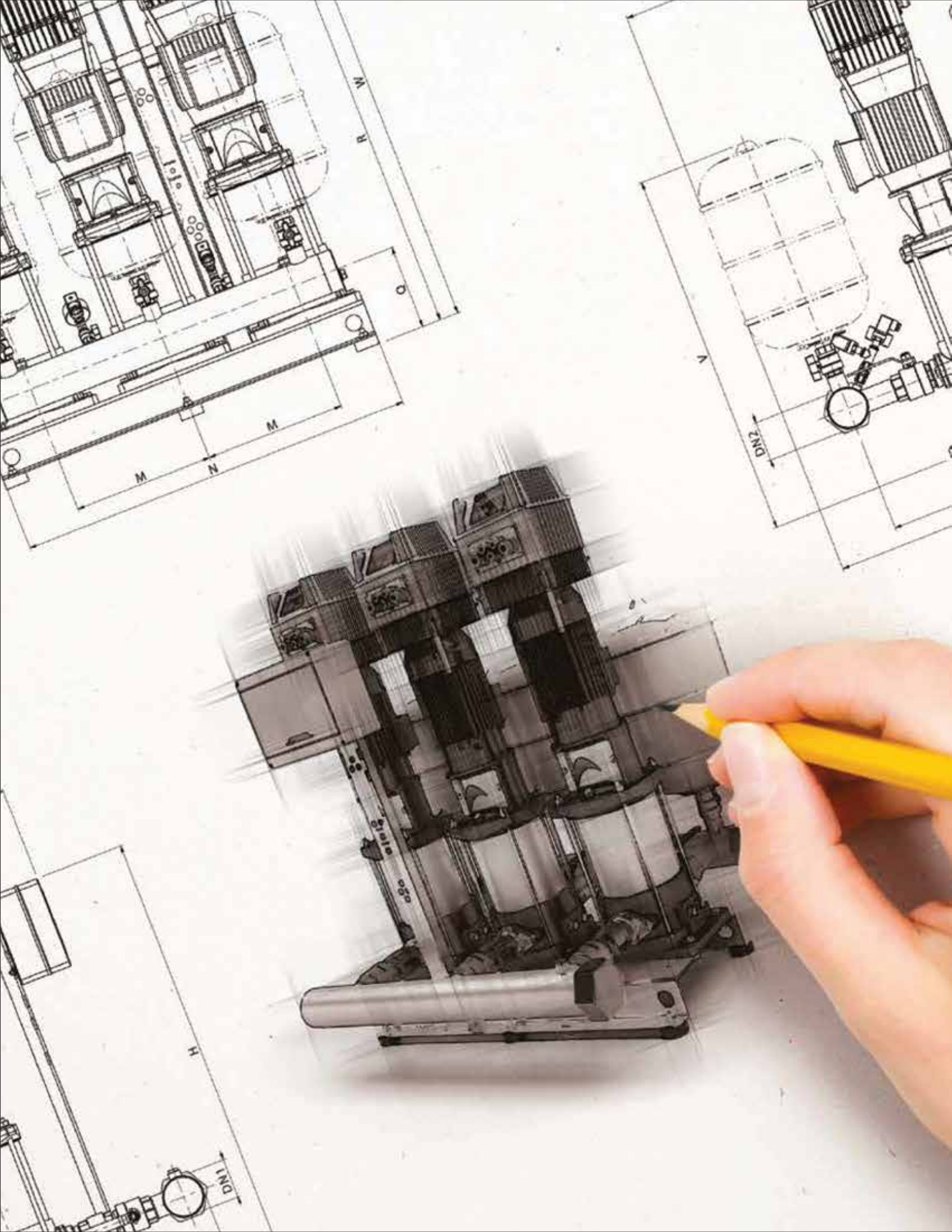




The cost minimizer





INTRODUCTION

Multitech International has provided multidiscipline engineering services in Industrial and Commercial segment. Our company vision is to provide upgraded technical services in water and waste water segment. We have incorporated in 2013 with some world-renowned principals in pumps, valves and flow controlling equipment. We have regular sales and service team in Dhaka and Chittagong division which are most developed cities for Industrial and commercial market in Bangladesh.

Multitech Engineering believes that ultimate success of any engineering works hinges primarily on the quality of people involved. We have therefore made recruiting and retaining talented personal a corporate priority. Our group of dedicated personal is second to none.



COMPANY VISION

- Innovate better, advanced energy saving and environment friendly technology in water and waste water segment.
- Provide smooth and fastest engineering service with our products.

The cost minimizer



OUR PARTNERS



EBARA (Japanese) is the leading company for all kind of Water Pumps, Dry Vacuum Pumps, etc.



Grundfos develop water solutions for the world. Grundfos set the standard in terms of innovation, efficiency, reliability and sustainability.



WEG provides global solutions for electric motors, variable frequency drives, soft starters, control panels, transformers, and generators.



CG Power and Industrial Solutions Limited, is an Indian multinational company engaged in design, manufacturing, and marketing of products related to power.



GENEBRE (Spain) is the leading company for Steam Trap, Valve, Expansion Joint, etc



ADCA (Portugal) is the leading company for PPP (Pneumatic Pressure Pump) unit, PRV, Steam Trap, Air Trap, etc.



AYVAZ (Turkey) is the leading company for Steam Valve, Steam Trap, Glass Valve, Check Valve, Pneumatic Valve, Gas Ball Valve, Safety Valve, etc.



DUYAR (Turkey) is the leading company for fire Protection Equipment's & Valves, Balancing Valve, Expansion Joint, etc.



PAKKENS (Turkey) is the leading company for Pressure Gauge & Temperature Gauge for Industry

OUR SERVICES

- Water pump, water controlling and monitoring equipment supply and service.
- Deep tubewell installation works complete with all materials.
- Booster pumping system installation and commissioning.
- Fire Fighting works installation complete with pumps, valves and accessories.
- Plumbing work in industrial & commercial buildings.
- All kinds of industrial valves, pipes & fittings.
- All kinds of measuring equipment's flow meters, pressure gauges, temperature meter etc.

DIFFERENT TYPE OF PUMPS

Horizontal End Suction Long Coupled Pump

Brand : EBARA, Japan.

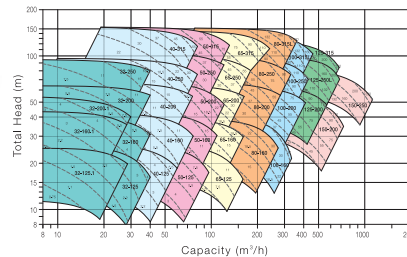
MODEL : GS –Series.Product Feature

Product Feature:

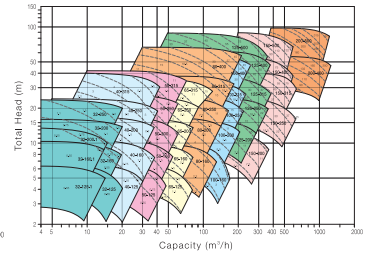
- Energy saving design.
- Simple Maintenance.
- Pump specification.
- International standards- EN733 and EN12756.



2POLE



4POLE



PUMP GENERAL SPECIFICATION : Model : GS(GSS)

Casing materials : Cast Iron. (Stainless Steel for GSS series)

DESCRIPTION		
Capacity		Up to 1500 m ³ /hr.
Head		Up to 150 mtr
Max. operating pressure		Up to 16bar(1.6Mpa)/for standard flange DIN PN16 Up to 14bar(1.4Mpa)/for standard flange JIS 10k
Flange Standard		EN1092 -2, JIS B 2239
Construction	Impeller	Closed
	Shaft seal	Mechanical Seal
	Flushing	N/A, Self, Self+ Reverse+ External
	Ball Bearing	Shield ball bearing(Grease Lubrication)
Material	Casing	Cast Iron , Stainless Steel
	Impeller	Cast Iron or Ductile Iron, Bronze, 304 stainless steel
	Shaft	Cr.Steel, Duplex Steel
	Case wear ring	Bronze, Cast Iron
	O-ring	NBR,FKM,EPDM

- Building : Air conditioning-District heating & cooling, general water supply, Brine, hot water circulation and high pressure boosting.
- Water supply : Water supply for municipalities, Irrigation, drainage clean water, firefighting protection and swimming pool.
- General Industry : Textile Industry, Pharmaceuticals, Food & Beverage, Steel Mills, Prepare& Pulp and Automotive Industries.

Submersible Bore Well Pump

Brand : MSP/EBARA submersible pumps & motors.

Origin : Turkey.



Product Feature:

- Coupling Bolt-INOX.
- Coupling-AISI420.
- Pump Shaft-AISI420.
- Suction Case-Stainless steel.AISI304.
- Suction Strainer- Stainless Steel.AISI304.
- Diffuser-Stainless Steel.AISI304.
- Impeller- Stainless steel.AISI304.
- Cable guard-Stainless Steel.AISI304.

PUMP GENERAL SPECIFICATION : Model : MP

Description		
Capacity		Up to 280 m ³ /hr.
Head		Up to 180 mtr
Liquid temperature		50°C
Material	Impeller	Stainless Steel. AISI304L
	Shaft seal	Stainless Steel.AISI304L
	Pump Shaft	Stainless Steel.AISI420
	Stariner	Stainless Steel.AISI304L
Liquid Temperature		30°C
Density		1000 Kg/m ³
Kinetic viscosity		1 mm ² /s

Application:

- Industrial and Building water supply.
- Irrigation Project.
- Water Fountain.
- Municipal water supply system.

Vertical Multistage pump



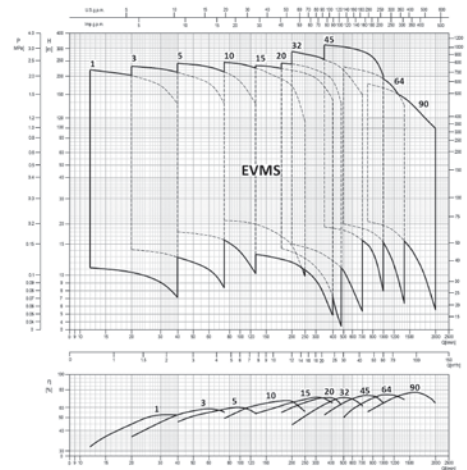
Brand : EBARA/GRUNDFOS.

Model : EVMSG/CR.

Product Feature

Product Feature:

- Innovative Hydraulic Solution: Any standard motor can be fitted to all pump models without doing any modification. Long life motor bearing. High efficiency classified in MEI> 0.7 as most efficiency models.
- Standard Motor Solution: IE3 efficiency for both 50 and 60Hz operation according IEC60034-30 Standard.
- Piping Connection options:: The various Pipe connections are available depending on the application requirement..
- Shaft Seal Solution.
- Easy Maintenance.
- Easy Plug Connection.



PUMP SPECIFICATION :

VERSION		EVMSG	EVMS	EVMSL
Key Component materials	Impeller	EN 1.4301(AISI304)		EN 1.4404 (AISI316L)
	Intermediate casing	EN 1.4301(AISI304)		EN 1.4404 (AISI316L)
	Liner Ring	EN 1.4301(AISI304)+PPS		EN 1.4404 (AISI316L)+PPS
	Bottom casing	Cast Iron ENGJL -250 EN1551	EN 1.4301 (AISI304)	EN 1.4404 (AISI316L)
	Casing Cover	EN 1.4301(AISI304)		EN 1.4404 (AISI316L)
	Shaft	EN 1.4301(AISI304)		EN 1.4404 (AISI316L)
	Shaft Sleeve bearing	Tungsten Carbide		
	Shaft seal	SIC/Carbon/EPDM or FPM, SIC Graphite/SIC/EPDM or FPM		
Operating Range	Nominal Flow Rate	1,3,5,10,15,20,32,45,64,90 m³/hr.		
	Max Working pressure	16,25,30,36 bar		
	Max.Liquid Temperature	-30° to 140°C		
Motor	Type	Electric-TEFC		
	Efficiency Class	IE3 (above 0.75Kw)		
	N of poles	2		
	Protection Degree	IP55 (Upto 11Kw), IP56(UP to 15Kw)		
	Insulation Class	F		

Application:

- Industry : Water Treatment, Boiler Feeding, Wash and clean, Chilling, cooling lubricant supply for tooling machine, food beverage and pharmaceuticals.
- Building Services : Pressure boosting, Sprinkler system, Fire Fighting system(Jockey), District Heating, Heat Exchanger, Air Conditioning system and heating system.
- Water Supply : Water treatment, Irrigation, Pressure Booster and Agriculture.

Horizontal stainless steel mono bloc pumps

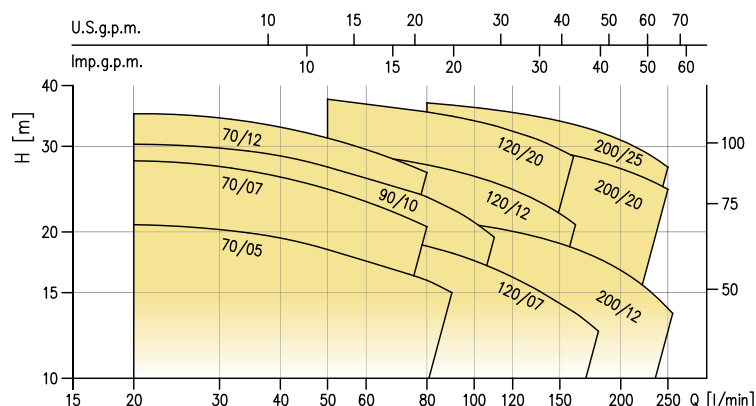


■ CD-CDX(L)

Single impeller centrifugal electric pumps with hydraulics in AISI 304 and AISI 316 CD are surface centrifugal electric pumps entirely made of AISI 304 stainless steel. CDX(L) are surface centrifugal electric pumps with radial impeller, with hydraulics completely in molded AISI 304 or AISI 316 (version L), whose components are obtained through the hydroforming process, which guarantees strength, hydraulic efficiency and reliability

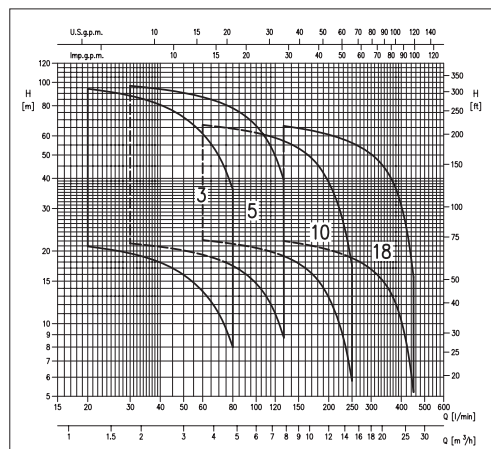
Application:

- Clean water for any general application.
- Domestic pressure boosting.
- Small irrigation and gardening.



MATRIX

Horizontal multistage centrifugal electric pumps characterized by a sturdy and compact construction. Available in various versions and models and suitable for many applications: 1. 1.



1. Pressure groups.
2. Water distribution and treatment.
3. Heating and air conditioning, cooling and chiller.
4. Irrigation and rainwater recovery,
5. Industrial washing and industrial systems

- Body, impellers, intermediate stages, seal holder disc and shaft (part in contact with the liquid) in AISI 304.
- The standard mechanical seal is in Ceramic/Carbon/EPDM; then there is the possibility of using different types of special seals to reach a temperature range from -15°C to +110°C.
- WRAS-certified for standard models up to 85°C.
- It is possible to combine these pumps with 2 poles, self-ventilated, high efficiency asynchronous motors.

DWO

It mounts the open radial flow impeller, which makes it suitable for pumping liquids that are not completely clean, but with solid parts up to 19 mm in diameter: this is the case of machinery such as washers, car washes, industrial dishwashers to name but a few.



Total head from 17.5 to 5.1 m

- Capacity from 6 to 66 m³ /h
- IE3 high efficiency motors starting from 0.75 kW
- Liquid temperature: from -5°C to +90°C
(from -15°C to +110°C for H, HS, HW and HSW versions)
- Liquid with solids up to 19 mm in diameter

Booster Sets

Efficiency right up to the maximum heights.

For this reason, our pressurization groups offer top-level performance, able to match the highest level of market performance. The groups, consisting of 2 to 8 pumps, allow operating pressures up to 25 bar (on request) at an altitude of no more than 1000 m a.s.l. The use of the technologies based on the variation in the frequency of the pump motors, feeding allows managing of the group at a constant pressure; in this way the pumps are only started when needed, avoiding unnecessary energy waste and extending their life. Furthermore, a "soft" start and stop of the system can be carried out, recording the operating hours and any alarms. All this to reduce water hammer, reduced pump wear, high comfort in heating, air conditioning and pressurization systems and above all energy savings of the entire system. This for EBARA is efficiency up to the top floor.



■ GP Fixed speed

The GP pressurization groups, consisting of one or several pumps are pressurization groups whose functioning depends directly on the water demand in the system in which they are installed. The starting of one or several pumps is controlled by pressure transducer which, experiencing a change of pressure in the system, start the pumps up to meet the demand; in the same way, as the demand decreases, the pumps are stopped. The control panel accompanying the GP it's fitted to start the pumps alternately standardizing the conditions of use. In addition, the possibility of using a float or a minimum pressure switch provides even greater safety for the group's electric pumps: it in fact avoids starting them in the absence of water, thus preventing the most frequent cause of failure. The groups have the predisposition for the assembly of storage tanks (available on request).

GPE VARIABLE SPEED



The functioning of the GPE groups with E-SPD was designed to operate with one inverter for each pump. The system is controlled by a Master Inverter that receives a signal from a pressure transducer (4-20 mA). When the pressure changes, the inverter varies the rotation speed of the motor of the first electric pump to reach the set point. If the pressure is not enough to meet demand, a second pump is inserted and the inverter of this one adjusts the speed to work in the best way possible. This takes place for all the pumps of the group for as long as the demand is

present. When the demand falls, the inverter gradually reduces the speed of the pumps which gradually decreases until the group is completely shut down when the demand reaches zero. The groups have the predisposition for the assembly of storage tanks (available on request).

SUBMERSIBLE WASTE WATER PUMPS

■ OPTIMA

Submersible electric pump for clear water with AISI 304 stainless steel hydraulics. Pump body, intake grille, seal holder disc and motor casing are in AISI 304. Impeller in PPE + PS reinforced with glass fibers and shaft in AISI 303.

- Total head from 1.5 to 7.6 m.
- Capacity from 1.2 to 9 m³ /h
- Maximum immersion 5 m
- Maximum liquid temperature 50°C
- Maximum solid size passage 10 mm.

■ BEST ONE-ONE VOX

Submersible electric pump for clear water with AISI 304 stainless steel hydraulics. Outer casing, impeller, filter, motor cover, seal holder disc and motor case all in AISI 304, shaft in AISI 303. The mechanical seal is standard in Ceramic/Carbon/NBR. Provided with 5 m of power cable type H05 RN - F (single phase), H07 RN - F (three phase) for internal use, with or without float.

- Total head from 1.8 to 8.3 m for BEST ONE and from 1.5 to 6 m for BEST ONE VOX
- Capacity from 1.2 to 10.2 m³ /h • Maximum immersion 5 m
- Maximum liquid temperature 50°C • Maximum solid size passage: - 10 mm - 20 mm for version VOX (VORTEX).



DVS

Submersible electric pump for load waters Semi-Vortex cast iron. With pump body, semi-vortex impeller and cast iron (bend) elbow. The shaft is in AISI 403. Mechanical seal: - SiC/SiC/NBR (impeller side) - Carbon/Ceramic/NBR (motor side) only available in three-phase version.



- Total head from 5.3 to 23 m
- Capacity from 6 to 60 m³ /h
- Maximum liquid temperature 40°C
- Maximum solid size passage: - 21 mm (50DVS)
33 mm (65DVS and 80DVS 1.5 kW) 41 mm (65DVS and 80DVS 2.2, 3.7 kW)
- Maximum length of fibrous bodies: - 100 mm (50 DVS) 200 mm (65DVS and 80DVS 1.5 kW) 245 mm (65DVS and 80DVS 2.2, 3.7 kW).

DL-DL W/C

Submersible electric pumps for sewage (DL) with cutter (DL W/C) Submersible electric pump for waste water in cast iron. Version with cutter (DL W/C). Pump body, impeller, cast iron elbow (curve). Shaft in AISI 403. Mechanical seal: - SiC/SiC/NBR (impeller side) - Carbon/Ceramic/NBR (motor side) only available in three-phase version. Wide range available with diameter of 300 mm and from 65 to 300 mm and power up to 45 kW (DL).



- Total head from 3 to 43.5 m for DL and from 4 a 20.2 m for DL W/C
- Capacity from 4 to 780 m³ /h for DL and from 6 a 150 m³ /h for DL W/C
- Maximum solid size passage: - 35 mm (65DL) - 50 mm (80DL, all DLC) - 60 mm (100DL, 100DLB) - 70 mm (150DL up to 22kW) - 76 mm (200DL up to 22kW) - 76 mm (all 30÷45 kW) - 82 mm (250DL up to 22kW) - 90 mm (300DL up to 22kW)
- Maximum liquid temperature 40°C
- Maximum length of fibrous bodies: - 195 mm (65DL) - 240 mm (80DL, all DLC) - 300 mm (100DL, 100DLB) - 400 mm (150DL up to 22kW) - 500 mm (200DL up to 22kW) - 500 mm (all 30÷45 kW) - 550 mm (250DL up to 22kW) - 600 mm (300DL up to 22kW)

Horizontal Split Case pump

Model: CSA/CNA



Features:

- Very compact design for ease installation and permits minimum maintenance.
- Axially split casing allows easy removal for top casing for inspection and service.
- A wider range of performance with head up to 150 mtr.
- High speed drives and vertical mount available.
- Anti-corrosion materials used rotating parts.
- High quality sealed cartridge type bearing unit provide high quality durability.

Technical specification

Capacity : Up to 30 m³/min.

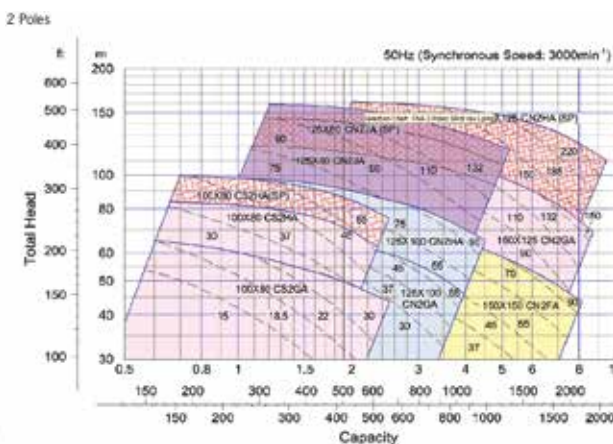
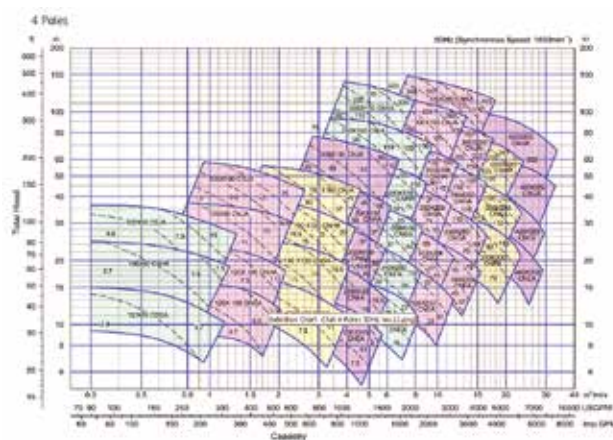
Head : Up to 150 mtr.

Casing : The rotating assembly can be removed without disturbing connected piping as the suction discharge flanges are integrally.

Impeller : The hydraulic matching of casing and impeller minimizes axial thrust and re-circulation, ensuring high efficiency, low NPSH required and quit performance over the entire range of operation .Bronze material standard.

Shaft : 316 stainless steel materials is standard , ensure long life against corrosion and wear. Short support span of bearing lengthen bearing life.

Bearing : Replenish able grease lubricated deep-groove bearing units with low friction loss has a long life can easily inspected and replaceable . Auto alignment structure absorbs deflection.



DIFFERENT TYPE OF VALVES

GENEBRE
Spain
be water, be Genebre



VALSTEAM
valsteam.com
ADCA







Sectors and Areas of Application



Water supply

For water supply in civil, agricultural and industrial plants



Pressurisation

For the pressurisation of water in residential, commercial, industrial and agricultural areas ensuring an efficient water supply



Fire-fighting

For the creation of fire-fighting sets compliant with the European standard UNI EN 12845



Irrigation

For the circulation of water required in refrigeration towers



Washing

For the creation of washing systems used in industry (car washing machines, dishwashers, cleaning in place, sterilizing in place)



Air-conditioning

For the circulation of water in air conditioning systems



Heating

For the circulation of water in air conditioning systems



Handling

Industrial liquid handling in process applications



Swimming pools

For water recirculation of swimming pools or sports facilities



Refrigeration towers

For the circulation of water required in refrigeration towers



Emptying

For the emptying of tanks



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