



HYDRA

Pumps Specialists

Fire Fighting , Water and sewage pumps



SPECIALISTS IN WATER
and Waste Water Treatment

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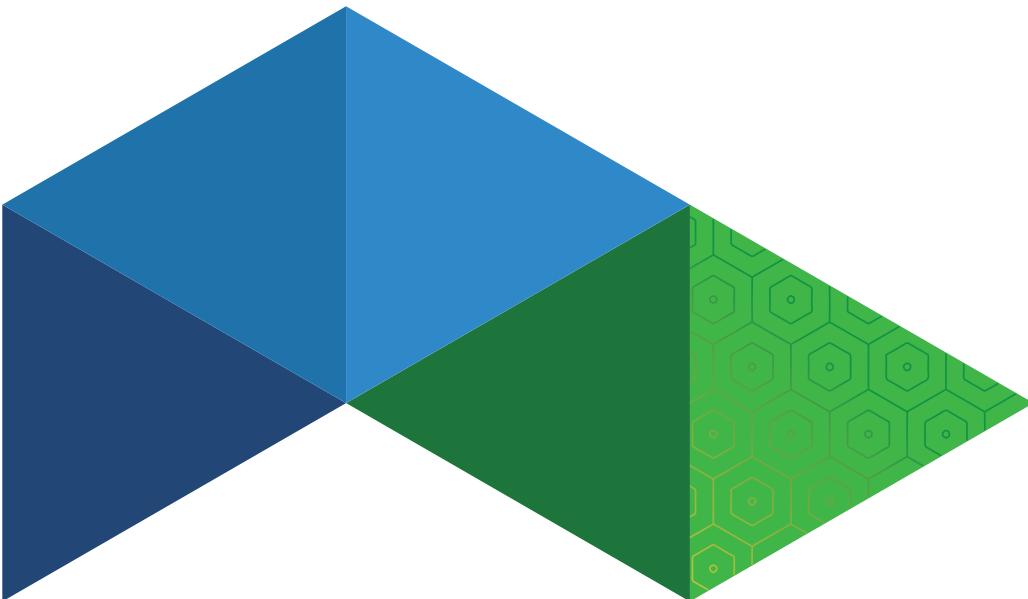
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Pumps Specialists

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مختصون

في كافة أنظمة مضخات المياه والحريق





About Us:

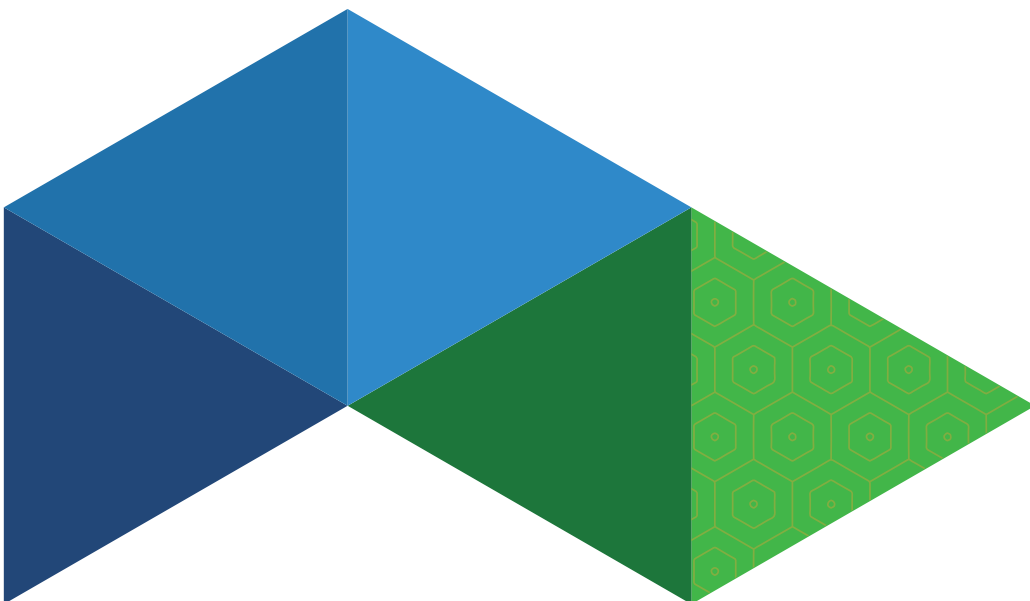
IT GROUP company provides **High quality products with professional solutions for mechanical engineering systems.**

- **Hydra**

HYDRA provides pumps systems (Firefighting, water and sewage pumps) through our partnership with worldwide internationally well-known companies such as (EBARA, PENTAIR, AURORA, NOCCHI, JUNG and ETNA)

- **Water doctor**

WATER DOCTOR provides a professional water treatment and WWT systems which based on scientific and engineering basis with international qualified products of top water treatment companies worldwide: CLACK, VIQUA and KAZANCI.





INDEX:







| | |
|---------------------------------------|-----------|
| Surface Pumps | 1 |
| Single Stage Centrifugal Pumps | 5 |
| Multistage Pumps | 9 |
| Submersible Pumps | 13 |
| Circulators and In-line Pumps | 15 |
| Booster Sets Pumps | 17 |
| FIRE-FIGHTING PUMPS | 23 |
| Control Panels and Accessories | 27 |
| CLACK | 33 |
| VIQUA | 35 |
| KAZANCI | 37 |

Surface Pumps

Self priming pump Complete with Venturi system the pumps could be primed automatically up to 8 m deep. Centrifugal pump Centrifugal pumps needs, to aspire the liquid, to be primed. It means, that the pipe and pump body are already full of liquid before start. For this reason, it is suggested to use some accurate precautions (as, for example, a non return valve); flexible pipes are avoid to prevent any leakage on the pipeline.




| | | Max head (m) | MAX Flow (m3/h) |
|---|---|--------------|-----------------|
|  | JES - JE Self priming "JET" pumps (AISI 304 pump body and impeller) | 49 | 4.5 |
|  | JESX - JEX Self priming "JET" pumps in AISI 304 | 49 | 4.5 |
|  | AGA - AGC Self priming "JET" pumps in Cast iron | 68 | 9.6 |
|  | CDX(L) Single impeller centrifugal pumps with hydraulic made in AISI 304 and AISI 316 | 37.5 | 15 |
|  | CD Single impeller centrifugal pumps completely made in AISI 304 | 37.5 | 15 |
|  | 2CDX(L) Twin impeller centrifugal pumps with hydraulic made in AISI 304 and AISI 316 | 71.5 | 12.6 |
|  | DWC Closed impeller centrifugal pumps in AISI 304 | 25 | 45 |

Surface Pumps

| | | Max head (m) | MAX Flow (m3/h) |
|---|---|--------------|-----------------|
|  | CMA - B - C - D Single impeller centrifugal pumps in cast iron | 57 | 60.2 |
|  | CDA Closed twin impeller centrifugal pumps in cast iron | 76.5 | 12.6 |
|  | PRA - PRN Peripheral impeller centrifugal pumps in cast iron | 88 | 4.2 |
|  | DWO Open impeller centrifugal pumps in AISI 304 | 17.5 | 66 |
|  | CMR Open impeller centrifugal pumps in cast iron | 17.3 | 16.5 |
|  | SWS - SWT Self priming pumps for swimming pool | 34 | 20 |



Surface Pumps

| | | Max head (m) | MAX Flow (m3/h) |
|--|--|--------------|-----------------|
|  <p>JET SELF-PRIMING CENTRIFUGAL PUMPS in CAST IRON</p> | | 70 | 9.6 |
|  <p>JETINOX SELF-PRIMING CENTRIFUGAL PUMPS in STAINLESS STEEL AISI 304</p> | | 42.5 | 4.8 |
|  <p>SWIMMEY SELF-PRIMING PUMPS FOR POOLS WITH PRE-FILTER in ABS</p> | | 18.5 | 30 |








Single Stage Centrifugal Pumps

According to EN 733

Standardized centrifugal pumps . Suitable for supplying water in residential,commercial, agricultural and industrial systems, pressure boosting, firefighting,heating and air-conditioning systems. Also used for handling industrial liquids, irrigation, cooling towers, swimming pools, draining and washing systems.




| | | Max head (m) | MAX Flow (m ³ /h) |
|---|--|--------------|------------------------------|
|  | 3M SERIES Pumps with closed coupled motor in AISI 304 | 71 | 138 |
|  | 3S SERIES Pumps with IEC standard motor and rigid coupling (stub shaft) in AISI 304 | 71 | 138 |
|  | 3P SERIES Pumps on base with IEC standard motor and flexible coupling in AISI 304 | 71 | 138 |
|  | 3PF SERIES Pumps in AISI 304 (hydraulic only) | 71 | 138 |
|  | 3LM SERIES Pumps with closed coupled motor in AISI 316/AISI 316L | 90 | 240 |
|  | 3LS SERIES Pumps with IEC standard motor and rigid coupling in AISI 316/AISI 316L | 90 | 240 |
|  | 3LP SERIES Pumps on base with IEC standard motor and flexible coupling in AISI 316/AISI 316L | 90 | 240 |

Single Stage Centrifugal Pumps According to EN 733

| | | Max head (m) | MAX Flow (m3/h) |
|---|---|--------------|-----------------|
|  | 3LPF SERIES Pumps in AISI 316/AISI 316L (hydraulic only) | 90 | 240 |
|  | 3D SERIES - MD/MMD Pumps with closed coupled motor in cast iron | 92.7 | 600 |
|  | 3DS SERIES Pumps with IEC standard motor and rigid coupling in cast iron | 70 | 138 |
|  | 3DP SERIES Pumps on base with IEC standard motor and flexible coupling in cast iron | 70 | 138 |
|  | GS Model Standardised end suction pumps | 150 | 1000 |








Single Stage Centrifugal Pumps

| | | Max head (m) | MAX Flow (m3/h) |
|--|--|--------------|-----------------|
|  <p>CM SINGLE STAGE HORIZONTAL CENTRIFUGAL PUMPS in CAST IRON</p> | | 47 | 7.2 |
|  <p>NRM IN CAST IRON MONOBLOC NORMALISED CENTRIFUGAL PUMPS - 2 AND 4 POLES</p> | | 92 | 390 |
|  <p>PGA-DELTA OIL PUMPS FOR DIESEL TRANSFER</p> | | 39 | 3.6 |




Multistage Pumps

“multistage pums. Reliable, quiet and easy to maintain. Used in residential, commercial, industrial, agricultural and fire-fighting pressure boosting systems, in primary water treatment, reverse osmosis, filtration systems, etc. Suitable for handling moderately aggressive fluids, filling boilers, washing, heating, refrigeration and airconditioning systems”






| | | Max head (m) | MAX Flow (m3/h) |
|---|---|--------------|-----------------|
|  | COMPACT Horizontal multistage centrifugal pumps in cast iron | 79 | 7.2 |
|  | MATRIX Horizontal multistage centrifugal pumps in AISI 304 stainless steel | 97 | 27 |
|  | CVM Vertical multistage centrifugal pumps in cast iron | 98.5 | 7.2 |
|  | MULTIGO Vertical multistage centrifugal pumps in AISI 304 stainless steel | 75.7 | 7.2 |
|  | EVMS - EVMSG - EVMSL Vertical multistage pumps in cast iron, in AISI 304 and AISI 316 stainless steel | 320 | 120 |
|  | EVM - EVMG - EVML Vertical multistage pumps in cast iron, in AISI 304 and AISI 316 stainless steel | 320 | 120 |
|  | EVM(S)G with E-drive Vertical multistage pumps in cast iron with variable frequency drive | 74 | 12 |

Multistage Pumps

| | | Max head (m) | MAX Flow (m3/h) |
|---|--|--------------|-----------------|
|  | MULTI EVO-A SELF-PRIMING MULTISTAGE CENTRIFUGAL PUMPS in STAINLESS STEEL AISI 304 | 71.5 | 12 |
|  | MULTINOX-A SELF-PRIMING MULTISTAGE CENTRIFUGAL PUMPS in STAINLESS STEEL AISI 304 | 67.3 | 10.8 |
|  | MULTI EVO MULTISTAGE CENTRIFUGAL PUMPS in STAINLESS STEEL AISI 304 | 69 | 12 |
|  | DHR HORIZONTAL MULTISTAGE CENTRIFUGAL PUMPS | 60 | 15.6 |
|  | DHI HORIZONTAL MULTISTAGE CENTRIFUGAL PUMPS in STAINLESS STEEL AISI 316 | 63 | 7.2 |
|  | MULTI EVO-SP MULTISTAGE CENTRIFUGAL PUMPS - SPECIAL in PPO reinforced wit fiberglass | 57 | 7.2 |









Multistage Pumps

| | | Max head (m) | MAX Flow (m3/h) |
|---|---|--------------|-----------------|
|  | CB TWO-STAGE HORIZONTAL CENTRIFUGAL PUMPS in CAST IRON | 76.5 | 12 |
|  | MULTINOX-VE + VERTICAL MULTISTAGE CENTRIFUGAL PUMPS in STAINLESS STEEL AISI 304 | 139 | 12.6 |
|  | PVM in cast Iron VERTICAL MULTISTAGE CENTRIFUGAL PUMPS | 330 | 198 |
|  | PVMi in STAINLESS STEEL AISI 304 VERTICAL MULTISTAGE CENTRIFUGAL PUMPS | 330 | 198 |
|  | PVMX in STAINLESS STEEL AISI 316 VERTICAL MULTISTAGE CENTRIFUGAL PUMPS | 330 | 198 |









Submersible Pumps

Submersible electric pumps particularly suitable for removing domestic and trade waste, sewage treatment, handling contaminated liquids in general, including those containing solid and filamentary substances in suspension, draining sewage water, handling sewage (sanitary fixtures) and draining cesspits.

| | | Max head (m) | Max. solids passage | MAX Flow (m ³ /h) |
|---|--|--------------|----------------------|------------------------------|
|  | OPTIMA Submersible pumps in AISI 304 stainless steel | 7 | 10 mm | 9 |
|  | BEST ONE - BEST ONE VOX Submersible pumps completely in AISI 304 stainless steel | 8.3 | 10 mm 20 mm - vox | 10.2 |
|  | BEST 2-5 Submersible pumps in AISI 304 stainless steel | 18.4 | 10 mm | 21.6 |
|  | RIGHT Submersible pumps for wastewater in AISI 304 stainless steel | 9.5 | 35 mm | 18 |
|  | DW - DW VOX Submersible pumps for wastewater in AISI 304 stainless steel | 20 | 50 mm | 54 |
|  | D SERIES Submersible pumps for wastewater and sewage in cast iron | 72 | 5 mm to 150 mm | 1800 |




Submersible Pumps

| | | Max head (m) | MAX Flow (m3/h) |
|---|---|--------------|-----------------|
|  | DPC in Technopolymer SUBMERSIBLE Pump FOR THE DRAINAGE OF CLEAR WATER | 7 | 9 |
|  | DRENOX in stainless steel STAINLESS STEEL SUBMERSIBLE PUMPS FOR THE DRAINAGE OF CLEAR WATER | 10.5 | 18 |
|  | DPV in Technopolymer SUBMERSIBLE Pump FOR THE DRAINAGE OF DIRTY WATER | 6.5 | 6 |
|  | OMNIA in stainless steel STAINLESS STEEL SUBMERSIBLE PUMPS FOR THE DRAINAGE OF DIRTY WATER | 7.8 | 12 |
|  | BIOX in stainless steel SUBMERSIBLE Pump FOR DIRTY WATER | 9.8 | 21 |
|  | PRIOX in stainless steel STAINLESS STEEL SUBMERSIBLE PUMPS FOR WASTEWATER | 17.3 | 45 |

Circulators and In-Line Pumps

Circulators differ from standard, fixed-speed pumps due to their capability for continuous adjustment based on the actual demands of the system; this feature allows you to make considerable savings in electricity, as well as guarantee reduced noise levels. Suitable for hot and cold water circulation in general, air-conditioning plants, industrial, domestic and central heating systems, constant and variable flow systems “

| | | Max head (m) | Liquid temperature | MAX Flow (m ³ /h) |
|---|---|--------------|-----------------------|------------------------------|
|  | Ego Single and twin threaded electronic circulators in cast iron | 7.8 | +5°C ÷ +95°C | 5.5 |
|  | Ego easy Single and twin threaded/flanged electronic circulators in cast iron | 12 | +2°C ÷ +110°C | 10 |
|  | Ego slim Single and twin flanged electronic circulators in cast iron | 17 | -10°C ÷ +110°C | 47 |
|  | Ego C Single and twin flanged electronic circulators in cast iron | 16.6 | +2°C ÷ +110°C | 70 |
|  | Ego B Single threaded/flanged electronic circulators for sanitary water in bronze | 12.5 | +5°C ÷ +65°C | 66 |
|  | MR B Single circulators for sanitary water in bronze | 12 | -10°C ÷ +65°C | 48 |




| | | Max head (m) | Liquid temperature | MAX Flow (m ³ /h) |
|--|--|--------------|--------------------|------------------------------|
|  <p>LPS In-line centrifugal pumps in AISI 304 stainless steel</p> | | 20 | -10°C ÷ +100°C | 24 |
|  <p>LPC - LPCD Single and twin in-line centrifugal pumps in-line in cast iron</p> | | 67 | -10°C ÷ +110°C | 220 |
|  <p>LPC - LPCD with E-drive Single and twin centrifugal in-line pumps in cast iron with variable frequency drive</p> | | 62 | -10°C ÷ +110°C | 300 |

Booster Sets

Self priming pump Complete with Venturi system the pumps could be primed automatically up to 8 m deep. Centrifugal pump Centrifugal pumps needs, to aspire the liquid, to be primed. It means, that the pipe and pump body are already full of liquid before start. For this reason, it is suggested to use some accurate precautions (as, for example, a non return valve); flexible pipes are avoid to prevent any leakage on the pipeline.









| | | Max head (m) | MAX Flow (m ³ /h) |
|---|---|--------------|------------------------------|
|  | 1GP Booster units with single phase electric pumps | 47 | 7 |
|  | 2GP Domestic Booster units with two three phase pumps suitable for connection to surge tanks | 150 | 55 |
|  | 3GP Domestic Booster units with three three phase pumps suitable for connection to surge tanks | 150 | 90 |
|  | 1GPE E-power Booster units with one electric pump with control unit | 100 | 30 |
|  | 2GPE with E-drive - single phase Booster units with two single phase pumps with inverter control unit | 150 | 60 |
|  | 2GPE E-power - single phase Booster units with two single phase pumps with inverter control unit | 150 | 60 |

Booster Sets

| | | Max head (m) | MAX Flow (m3/h) |
|--|---|--------------|-----------------|
|  | <p>2GPE with E-drive - three phase</p> <p>Booster units with two three phase pumps with inverter control unit</p> | 150 | 60 |
|  | <p>2GPE Hydrocontroller - three phase</p> <p>Booster units with two three phase pumps with inverter control unit</p> | 150 | 60 |
|  | <p>3GPE with E-drive</p> <p>Booster units with three three phase pumps with inverter control unit</p> | 150 | 90 |






Booster Sets

| | | Max head (m) | MAX Flow (m3/h) |
|---|---|--------------|-----------------|
|  | FP/MULTI EVO-A in STAINLESS STEEL AISI 304 PUMPS WITH ELECTRONIC CONTROL AND PROTECTION DEVICE | 56 | 7.2 |
|  | AUTOJET in STAINLESS STEEL AISI 304 Pressure boosters WITH ELECTRONIC CONTROL AND PROTECTION DEVICE | 48 | 3.6 |
|  | WP/MULTI EVO-A in STAINLESS STEEL AISI 304 Pressure boosters WITH HORIZONTAL EXPANSION TANK | 56 | 7.2 |
|  | WATERPRESS IN CAST IRON Pressure boosters WITH HORIZONTAL EXPANSION TANK | 49 | 4.2 |
|  | EASY20/MULTI EVO Pressure boosters WITH TWO PUMPS - PRESSURE SWITCH CONTROL | 69 | 21.6 |
|  | EASYBOOST RESIDENTIAL - Pressure boosters WITH PRESSURE SWITCH CONTROL | 165 | 25.2 |
|  | PRESSOMAT INDUSTRIAL - Pressure boosters WITH PRESSURE SWITCH CONTROL | 166 | 79.2 |
|  | CPS20 Pressure boosters WITH TWO VARIABLE SPEED PUMPS | 60 | 28.8 |



Booster Sets

| | | Max head (m) | MAX Flow (m3/h) |
|---|--|--------------|-----------------|
|  <p>VARIO 1-20 Pressure boosters WITH TWO VARIABLE SPEED PUMPS</p> | | 165 | 25.2 |
|  <p>VARIO 3-20 THREE-PHASE Pressure boosters WITH TWO VARIABLE SPEED PUMPS</p> | | 166.6 | 1320 |
|  <p>VARIO 3-30 THREE-PHASE Pressure boosters WITH THREE VARIABLE SPEED PUMPS</p> | | 166.6 | 118.8 |

PUMPS WITH ELECTRONIC FREQUENCY CONVERTER

| | | Max head (m) | MAX Flow (m3/h) |
|---|--|--------------|-----------------|
|  | MULTI EVO-E in STAINLESS STEEL AISI 304 MULTISTAGE CENTRIFUGAL PUMPS WITH INVERTER | 70 | 12 |
|  | MULTI EVO-E P MULTISTAGE CENTRIFUGAL PUMPS WITH INVERTER | 54 | 7.2 |
|  | CPS10/JET Pump JET COMPLETE WITH INVERTER | 49 | 4.2 |
|  | CPS10/DHR Pump DHR COMPLETE WITH INVERTER | 62 | 15.6 |
|  | CPS10/DHI Pump DHI COMPLETE WITH INVERTER | 68 | 7.2 |
|  | CPS10/MULTINOX-VE+ Pump MULTINOX-VE+ COMPLETE WITH INVERTER | 138 | 13 |
|  | CPS10/PVM Pump PVM COMPLETE WITH INVERTER | 165 | 12 |
|  | CPS3-10/MULTINOX-VE+ Pump MULTINOX-VE+ COMPLETE WITH INVERTER | 139 | 12.6 |
|  | CPS3-10/PVM Pump PVM COMPLETE WITH INVERTER | 167 | 39.6 |



Fire Pump

FFS - FFB UNI EN 12845 Fire-Fighting units
up to (5020 GPM)



FFS and FFBD units with horizontal pumps

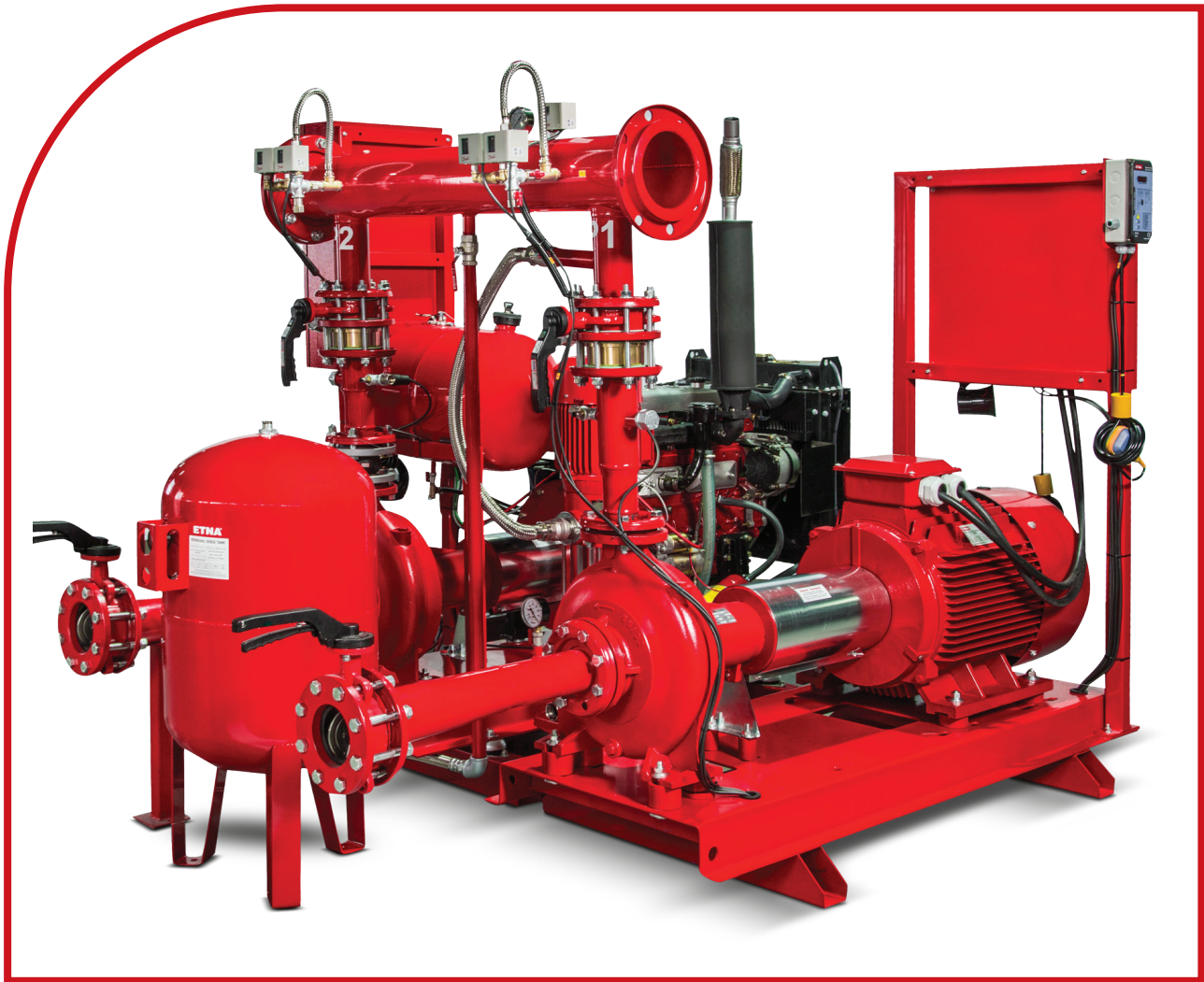
Types :

- 1: ELECTRIC FIRE-FIGHTING SYSTEMS
- 2: "DIESEL" FIRE-FIGHTING SYSTEMS
- 3: DIESEL-ELECTRIC FIRE-FIGHTING SYSTEMS

Fire Pump

EN 12845 (2012) standard is exactly the same as the EN 12845 + A2 (2009) standard, and it is the first “Turkish Fire Standard” to be established by the Turkish Standards Institute (TSE) with the permission of the European Committee for Standardization (CEN).

up to(5000 GPM)



Types :

- 1: ELECTRIC FIRE-FIGHTING SYSTEMS
- 2: “DIESEL” FIRE-FIGHTING SYSTEMS
- 3: DIESEL-ELECTRIC FIRE-FIGHTING SYSTEMS

Fire Pump

Fire pump ULFM USA
up to (5000 GPM)



ULFM fire pump Aurora

Types :

- 1: ELECTRIC FIRE-FIGHTING SYSTEMS
- 2: "DIESEL" FIRE-FIGHTING SYSTEMS
- 3: DIESEL-ELECTRIC FIRE-FIGHTING SYSTEMS



Control Panels and Accessories

- | | |
|---|---|
|  | <p>E-drive Pump control inverter (single/three phase input)</p> |
|  | <p>E-power Pump control inverter with pressure switch (single phase input)</p> |
|  | <p>Hydrocontroller Variable speed control system (three phase input)</p> |
|  | <p>Presscomfort Pressure regulator for one pump</p> |
|  | <p>Q SERIES Control panels for borehole pumps</p> |
|  | <p>1EP-E / 2EP-E SERIES Control panels for borehole and surface pumps</p> |
|  | <p>QM1-QT1 / QM2-QT2 Electromechanical control panels for wastewater and surface pumps</p> |

Control Panels and Accessories



QS1-QS2 SERIES

Electromechanical control panels for wastewater and surface pumps



QA/50B / QA/60C / QMD20

Electromechanical panels for drainage and sewer, surface and submerged pumps



SMART SERIES

Electronic microprocessor panels for drainage and sewer, surface and submerged pumps



ANTI-FLOODING KIT

Anti-flooding kit with alternating or contemporaneity function



SP SERIES

Control panels with inverter for pumps



Control Panels and Accessories



VSD

ELECTRONIC FREQUENCY CONVERTER



FLUSSCONTROL - FLUSSCONTROL BASIC

ELECTRONIC CONTROL AND PROTECTION DEVICE FOR ELECTRIC SINGLE PHASE PUMPS



EASYCONTROLLER

PARA EL CONTROL DE 1 O 2 E LECTROBOMBAS

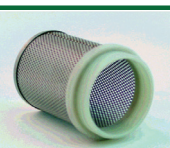


Pressure tanks

EXPANSION TANKS



VACUBOX



ACCESSOIRES





SPECIALISTS IN WATER
and Waste Water Treatment

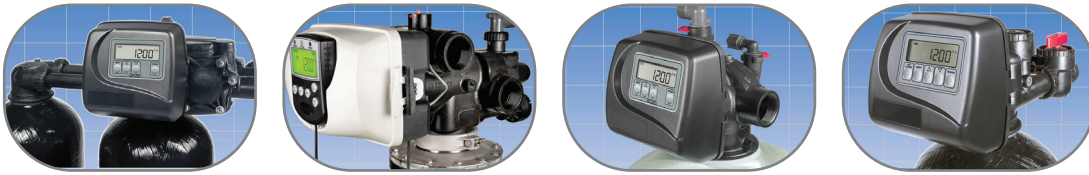
مختصون
في أنظمة معالجة المياه
والمياه العادمة والرمادية

Clack®

- Clack company is the leader in water treatment products and components for residential, medical and commercial/industrial applications
- Established in U.S.A 1946
- For over 70 years...CLACK is Serving the water treatment professional products.



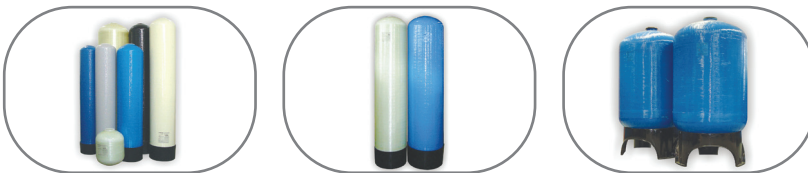
CONTROL VALVES, FITTINGS AND ACCESSORIES



ION EXCHANGE RESIN & FILTER MEDIA



MINERAL TANKS & RETENTION TANKS



BRINE TANKS & CABINETS



RO SYSTEMS & ACCESSORIES



MELTBLOWN FILTERS



 **VIQUA**[™]
simply safe water

- VIQUA is the world's leading supplier of UV water disinfection systems
- VIQUA have a very advanced research scientific center and have many patents worldwide
- more than 40 years of experience in ultra violet systems

UV water disinfection is a safe, chemical-free way to treat water. Even chlorine-resistant microorganisms are made harmless through UV exposure. Lack of chemicals means no harmful chemical byproducts are going back into the environment, and the taste of your water is not affected in any way. Water is disinfected as it runs through a stainless steel chamber containing a UV lamp. As water flows past the lamp, illness-causing microorganisms receive a lethal dose of UV light that attacks their DNA and eliminates their ability to reproduce. Harmful bacteria and viruses are deactivated, and your family is safe.



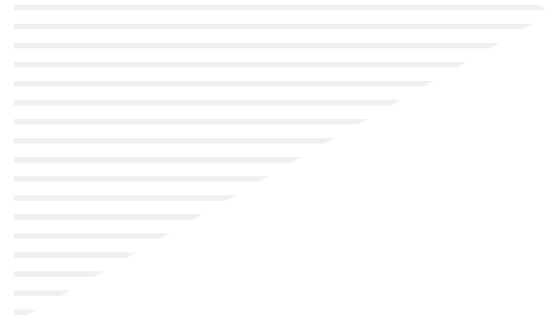




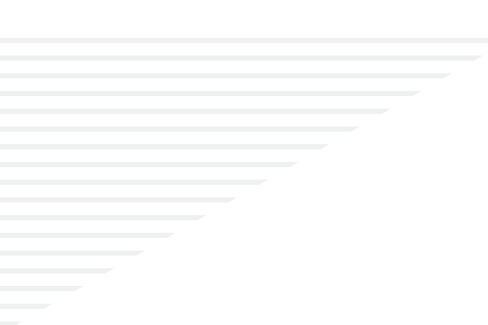
- Kazanci is a turkish manufacturer of water treatment & WWT plants industry
- More than 25 years experience
- Kazanci provides Environment friendly and innovative solutions







Notes:



Notes:
