

ELMECH GENERAL TRADING L.L.C

a total solution to your project

OUR MAJOR CLIENTS





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a total solution to your project

INTRODUCTION

ELMECH GENERAL TRADING LLC is the driving company in a group of Companies based in the UNITED ARAB EMIRATES, Dubai with Head Quarters in Saudi Arabia.

ELMECH GENERAL TRADING LLC finds its guiding light in the patronship of His Royal Highness Prince Mohammed Bin Mishari Bin Abdul Aziz Al Saud.

We thrive on meeting ever-increasing Challenges posed by our clients whose requirements range over the complete spectrum of the Oilfield, Petrochemical and related industrial projects.

Our Core strengths lie in the innovativeness and problem-solving abilities of our creative team of dedicated professionals Client Satisfaction is their watch ward. With our offices and Warehouses on Strategic locations we offer the right product at the right place at the right price-that's us in a nutshell. And guess what- Just state your requirements; we have a whole range of Solutions to meet them. All you need to do is simply CHOOSE




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Electromech Projects Group Companies






DISTRIBUTORS/ STOCKISTS OF

<p>PTFE PIPE , SPOOLS, SPLIT TEE</p> 	<p>PTFE Pipes Spools Split TEE Fittings</p>
<p>HDPE PIPE AND FITTINGS</p> 	<p>Pipes For Potable Application & Irrigation – Iso 4427/ en 13244 Fm Pipes Firefighting – Iso 4427 / Awwa 906 Pipes For Drainage – En1519 Pipes For Electrical Ducting – Iso 4427/ 50mm-315mm/ Pn6-pn10/sdr26 & Sdr17 Pipe Fittings – Buttfusion/electrofusion/welded Fabricated Fittings/drainage Fittings</p>
<p>UPVC PIPE AND FITTINGS</p> 	<p>UPVC Drainage Pipes & Fittings UPVC Pressure Pipes & Fittings PPR Pipes & Fittings UPVC Ball Valves CPVC Pipes and Fittings UPVC Accessories Pipe Clamps & Supports Eu & American Standard</p>



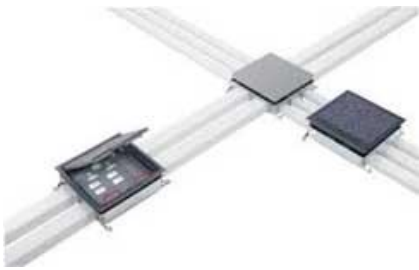
<p>INDUSTRIAL AND HYDRAULIC HOSE</p> 	<p>All Types of Rubber Hoses and Related Fittings: The intensive product range conforms to various kind of Suction & Discharge Industrial rubber hoses suitable for Oil, Water, Air, Chemicals, Multipurpose etc., Hydraulic Hoses ranging from 1SN, 2SN, 4SP, 4SH, R13, R15 etc., Including water blast hoses, R5, Fuel & Oxygen welding hoses.</p>
<p>SHEAR CONNECTOR STUD (NELSON STUD / NESOLN STUD GUN)</p> 	<ul style="list-style-type: none">• S3L Shear Connectors• H4L Concrete Anchors• PSR Punching Shear Resistor• D2L Deformed Bar Anchors• NEW D6L A706 Stud Weldable Rebar• More In-Stock Studs• ELMECH Studs
<p>FRP CABLE TRAYS</p> 	<p>Type IFR Type I Type V-Standards</p> <ul style="list-style-type: none">- IS 6746 -1994 Specs for Unsaturated Polyester Resin System- NEMA FG-1 1984-1993 for Low Pressure Fiber Reinforced Plastics Specification for Fiberglass Tray System- Loading Characteristics IS 6746 Appendix K/UL 94 Flame Retardant (Low Flammability/v0) <p>Accessories & Hardware's</p> <p>ELMECH FRP Cable Tray System is supplied with complete range of Accessories which includes FRP Standard Couplers, Expansion Couplers, FRP Angle Plates, FRP Adjustable Splice Plates, FRP Hold Down Clip, FRP/SS Hold Down Clamp, FRP Cover Clamps, Trefoil Clamp, Cable Ties, Blind Plates, Divider Strips, SS Fish plate and suitable Hardware's.</p>



<p>FRP CAGE LADDERS</p> 	<p>Manufactured with isophthalic / Vinyl Ester resin pultruded profiles, Ladders are Custom made with safety cage option use where safe vertical climbing access is required. Fiberglass Reinforced Plastic (FRP) Ladders and Safety Cages are Design.</p> <p>Corrosion proof ladders High mechanical resistance - EN 14122 standards Easy application</p>
<p>RAISE FLOORING SYSTEMS</p> 	<p>Our panels are designed and manufactured to meet the Global raised flooring specifications PSA PF2 PS (UK); BSEN12825 (UK); CISCA (USA) & AS 4154-1993 (Australia).Our principal – ASP (AUSTRALIA): KINGSPAN (UK): ASM (USA): TECHNOGIVEX (ITALY): ELMECH (USA/CHINA) are the leading global companies with which we expertise in the manufacture, distribution and installation of Raised Access Floors in Saudi Arabia & other GCC countries. Our panels are laminated with wood stone or granite, offering systems enhanced with acoustic properties and even systems that provide an economical raised flooring platform.</p>
<p>SS METAL DECING SYSTEMS CORDECK USA</p> 	<ol style="list-style-type: none"> 1. RIB and Roof Deck Solutions [TYPES & SIZES B, N, F, A (1.5" & 3")] 2. Form Deck [SIZES: 0.6" , 1" , 1.3" , 1.5"] 3. Cellular Floor Deck [SIZES: 1.5" , 2" & 3"] 4. Cellular Roof Deck [SIZES: 1.5" , 3" , 4.5" , 6" , 7.5"] 5. Composite Floor Deck [SIZES: 1.5" , 2" & 3"]



IN FLOOR CABLE DISTRIBUTION



Walker deck, a registered trademark of The Wiremold Company, Composite Cellular Floor Decking Systems provides the solution for in floor wire and cable management. Walker deck is ideally suited for offices, call centers, libraries, recreation centers, casinos and robotic warehouses. By incorporating Walker deck as your wire management system, you can be assured that your project design is "Future Ready".

- In floor Raceway Systems
- NRG Floor in Floor Cellular Systems
- Walker Deck Systems

MANHOLE COVER / GUTTER



A15 – Light Duty: (A15KN=1500Kgs)

The Light Duty S.S Manhole Cover will be Suitable for Pedestrian Load and Cyclist Load

B125 – Medium Duty: (B125KN=12500Kgs)

The Medium Duty S.S Manhole Cover will be Suitable for Slow Moving Wheel Load, Like Footway, Pedestrian and Car Parking Deck, etc.,

C250 – Heavy Duty: (C250KN=25000Kgs)

The Heavy-Duty S.S Manhole Cover will be Suitable for **Fast Moving Wheel Load In-frequently**, Like Heavy Vehicle movement will be lesser areas.

D400 – Heavy Duty: (D400KN=40000Kgs)

Suitable for **Fast Moving Wheel Load In-frequently**, Like all Heavy Vehicle movement areas.

E600 & F900 – Ultra Heavy Duty:



CABLE PROTECTING TILES



Polyethylene tiles are extremely tough and do not tend to crack, they comply with impact strength requirement for concrete tiles to BS 2484.

PE TILES FEATURES:

Heavy duty, yet lightweight, polyethylene cable covers incorporating a colored printed warning tape.

- Rot resistant, chemical resistant from PH-2.5 to PH-11
- High impact resistance
- Ideal for Electrical or Fibre Optic Cables
- Supplied with interlocking pegs for easy installation
- Excellent protection properties
- Visual Warning
- Low transportation and installation costs
- Available up to 20mm thick
- Tensile Strength - 8 N/mm
- Elongation at break-200%
- High chemicals resistance.

LIGHTING FIXTURES FOR DISCHARGE LAMPS



EWN SERIES

EWN series lighting fixtures are able to mix structural strength and resistance to chemically aggressive environments with a lighting efficiency and a optimal distribution for industrial process areas where both the lighting of on-walk-way and working surfaces (Horizontal Lux) and the lighting of potential obstructions (Vertical Lux) are required. The 'Ex nR' (restricted briefing) mode of protection, obtained thanks to the use of special silicone gaskets resistant to ageing and wear, makes EWN series a "Category 3" equipment.

- Simplified re-lamping.
- High resistance to corrosion and extreme weather conditions.
- Suitable for discharge lamps up to 400W.

Group II, Category 3GD
Ex nR IIC T... Gc - Ex tc IIIC T...Dc
IP66
Zone 2-22
Low copper content aluminium alloy



LIGHTING FIXTURES FOR DISCHARGE LAMPS



RLFE SERIES

RLFE series lighting fixtures for discharge lamps are suitable for lighting large areas, specifically for chemical and petrochemical industry, off-shore and on-shore. The body is made of aluminium alloy with low copper content, the globe is of borosilicate glass. They have an high thermal and mechanical stability.

- Quick and simple maintenance.
- Robust and reliable over time.
- Suitable for discharge lamps up to 400W.

Group II, Category 2GD
 Ex de IIC T.. Gb - Ex tb IIIC T.. Db
 IP66
 Zone 1-2-21-22
 Low copper content aluminium alloy

LIGHTING FIXTURES FOR LEDS TUBES/ STRIPS, FOR FLUORESCENT TUBES, AND COMPACT FLUORESCENT TUBES

LED
Lighting Fixtures



FLF, FLFE, FLF-L, FLFE-L, EVFD-L SERIES

FLF and FLFE series lighting fixtures are available for fluorescent tubes or strips, compact fluorescent tubes (FLF/FLFE...36C) LED tubes (FLF/FLFE...L). They consist of two heads in aluminum alloy with low copper content provided with a G13 lamp holders, a tempered borosilicate glass tube heat resistant and an internal white painted aluminium reflector. EVFD-L lighting fixtures are designed for a uniform illumination of locations and facilities that require compact devices and high luminous efficiency. The exclusive curvature of the reflector, combined with the transparency of the protective tube, allows a wide spread of light, less wearing and more comfortable in any environment.

- FLF, FLFE series: excellent "CX" coefficient, less wind resistance and less accumulation of dust.
- FLFE fixtures have an 'Ex e' internal terminal junction box which allows the connection with an 'Ex e' cable gland (not barrier).

'Ex op is'
safe optical radiation
Group II, Category 2GD

FLF, FLFE series
Ex d IIC T6 Gb - Ex tb IIIC T67°C Db
Ex de IIC T6 Gb - Ex tb IIIC T67°C Db

FLF-L, FLFE-L series
Ex db op is IIC T6 Gb - Ex tb op is IIIC T80°C Db
Ex db eb op is IIC T6 Gb - Ex tb op is IIIC T80°C Db

EVFD series
Ex db op is IIB T6 Gb - Ex tb op is IIIC T85°C Db

IP66
Zone 1-2-21-22

Low copper content aluminium alloy

LED FLOODLIGHTS



LED
Lighting Fixtures

SLED SERIES

SLED series floodlights with LED technology combine lightweight, compact design and high performance in terms of reliability, safety, efficiency and energy saving. They are characterized by LEDs with optics "square shaped beam" that permits a light distribution and a perfectly uniform lighting in every direction. The finned body of the floodlight acts as a heat sink for the LED plate, allowing the installation of greater light output without incurring the deterioration of the LEDs.

- High luminous output and white light
- Colour rendering index > 70
- Standard power supply 120-277V 50Hz.
- Frontal tempered glass.
- Galvanized steel adjustable bracket
- Three sizes available: SLED-250, SLED-400, SLED-600

Group II, Category 2GD

Ex de mb IIB+H2 T5/T6 Gb - Ex tb IIIC T100°C T85°C Db

IP66

Zone 1-2-21-22

Low copper content aluminium alloy



VERTICAL RECTANGULAR FLOODLIGHTS



SLFE SERIES

SLFE series floodlights are designed to ensure a symmetrical distribution and a light power in all those areas that require an intense and concentrated stream of light. Their rectangular shape makes them unique and innovative in the design for their maintenance function; in fact, through a side access, it's possible to replace the bulb without removing the front glass.

The electrical connection to the floodlight is made through a terminal inserted into an "Ex e" enclosure which allows the entry by a cable gland with an "Ex" sealing ring (no barrier).

- Flat glass anti-light pollution.
- Reinforced steel bracket for moving structures upon request.
- Suitable for lamps up to 600W.

Group II, Category 2GD

Ex de IIB T2/T3 - Ex tD A21

IP66

Zone 1-2-21-22

Low copper content aluminium alloy

HORIZONTAL RECTANGULAR FLOODLIGHTS



SLEE SERIES

SLEE series floodlights are suitable for installation in environments where hydrogen (H₂) is present.

They are certified with a high degree of mechanical protection (IP67) and they provide a symmetrical and concentrated distribution of the luminous flux.

The electrical connection to the floodlight is made through a terminal inserted into an "Ex e" enclosure which allows the entry by a cable gland with an "Ex" sealing ring (no barrier).

- Flat glass anti-light pollution.
- Reinforced steel bracket for moving structures upon request.
- Suitable for lamps up to 400W.

Group II, Category 2GD

Ex de IIB + H₂ T2/T3/T4 - Ex tD A21

IP66/67

Zone 1-2-21-22

Low copper content aluminium alloy

RECTANGULAR FLOODLIGHTS



TIGER SERIES

These floodlights are ideal for lighting large areas, if equipped with symmetrical reflector, or for a selective concentration of light on specific areas when equipped with asymmetric reflector. The high degree of protection IP66 combined with an optimum efficiency at low (-50° C) and high (+60° C) temperatures, make TIGER floodlights suitable for the use in all environments where climatic conditions are extreme.

- Fast maintenance.
- Simple wiring thanks to the use of marked terminals.
- Anti-corrosion aluminium clips.
- Flat glass anti-light pollution.
- Suitable for lamps up to 400W.

Group II, Category 3GD

Ex nR II T2/T3 - Ex tD A22

IP66

Zone 2-22

Die-cast aluminium



LED LIGHTING FIXTURES FOR SAFETY WARNINGS



LED
Lighting Fixtures

CCA-03EX SERIES

CCA-03EX series LED lighting fixtures for safety warnings are designed for installation in areas with risk of explosion where lighting may be stopped due to abnormal, unusual or accidental situations. The new CCA-03EX lighting fixture can be installed in indoor and outdoor environments and it can operate both in normal and emergency service, with a maximum duration of about 2 hours. In case of interruption of the supply voltage, electronics automatically turn on the lighting fixture.

- Simple wiring, two threaded hubs studied for the through-wiring.
- Compact size, two directional LED spotlights.
- LED COB (Chip on Board: high performance in terms of lumens, low maintenance costs and long life.
- Color temperature 3.500°C, 595 lm for each LED.

Group II, Category 2GD

Ex d IIC T6 Gb - Ex tb IIIC T85°C Db IP66

Zone 1-2-21-22

Low copper content aluminium alloy

LED OBSTRUCTION LIGHTING FIXTURES

LED
Lighting Fixtures



XLFE-MIB, XLFE-4/1 SERIES

XLFE-MIB and XLFE-4/1 obstruction lighting fixtures are suitable for installation on towers or high buildings as obstruction signal thanks to light signals emitted by LEDs of high power and luminous efficiency. The use of LED technology provides low power consumption, long life (approx. 50.000 hours) and, consequently, a reduction in maintenance costs.

- Lighting fixtures in red color complies with ICAO Standard (International Civil Aviation Organization).
- 2000 candles for medium intensity XLFE-MIB and 32 candles for low intensity XLFE-4/1 obstruction lighting fixtures.
- Different colors available.

'Ex op is'

safe optical radiation

Group II, Category 2GD

XLFE-MIB
II 2GD Ex db eb op is IIC T4 Gb; Ex tb op is IIIC T110°C Db IP66

XLFE-4/1
Ex de IIC T6 Gb; Ex tb IIIC T.. Db

IP66

Zone 1-2-21-22

Low copper content aluminium alloy

OBSTRUCTION LIGHTING FIXTURES



XLI, XLF 1-2 SERIES

XLI and XLF 1-2 series lighting fixtures are ideal for installation on towers and high buildings as obstruction signal with a fixed light (XLI) or with a flashing light (XLF 1-2). Their mechanical strength combined with the functionality and security make them durable even in the presence of salt atmosphere and industrial pollutions.

- Possibility of double lighting fixture wired and sealed to the junction box.
- Different colors available.
- XLI series is suitable for lamps up to 100W.
- XLF 1-2 series is suitable for lamps up to 16 Joule.

Group II, Category 2GD

XLI series
Ex d IIC T.. Gb - Ex tb IIIC T.. °C Db IP66

XLF 1-2 series
Ex d IIC T..Gb- Ex tb IIIC T... Db

IP66

Zone 1-2-21-22

Low copper content aluminium alloy



**EMERGENCY SIGNALLING LIGHTING
FIXTURES FOR FLUORESCENT TUBES
AND LED STRIPS**

LED
Lighting Fixtures



EVF-18EX, LFED, LFEE SERIES

Emergency lighting fixtures LFEE, LFED and EVF-18EX series are designed for the lighting and identification of emergency exits or escape routes in case of danger. LFEE and LFED series are made of a stainless steel AISI 316L enclosure, a window with a screen-printed pictogram and an LED strip. EVF-18EX series is equipped with an electronic ballast for 8W fluorescent lamps.

- EVF-18EX: suitable for fluorescent tube up to 1 x 8W, two-color LED (green/red) which monitors batteries
- LFEE, LFED: 'Ex op is' method of protection, models for normal and emergency operation available

'Ex op is'
safe optical radiation

Group II, Category 2GD

EVF-8EX
Ex d IIC T5 - Ex tD A21

LFED
Ex db op is IIB+H2 T6 Gb
Ex tb op is IIIC Db

LFEE
Ex db eb mb op is IIC T5/T6 Gb
Ex tb op is IIIC T70/T60°C Db

IP66
Zone 1-2-21-22

Low copper content aluminium alloy

LED TRAFFIC LIGHTS



LED
Lighting Fixtures

MSU, CCA-02E/S...LD, TL SERIES

MSU, CCA-02E/S...LD and TL series traffic light systems are suitable for the traffic regulation in chemical aggressive industrial environments or potentially hazardous areas, including marine one. TL series Wi-Fi traffic lights uses the technology of RF (radio frequency) communication. This technology eliminates the need to dig up the road surface in order to "bury" the cables and/or sensors required in the systems used today.

- Two, three, four or five signalers and combinations of colors (for MSU)
- One, two or three signalers and combinations of colors like green, yellow and red (for CCA-02E/S...LD)
- TL series available with 2 or 3 lights: CCA-02E/S...LD series traffic light + EJB-1A series junction box

Group II, Category 2GD

Ex d IIC T6 Gb - Ex tb IIIC T... Db
(CCA-02E/S...LD)

IP66

Zone 1-2-21-22

Low copper content aluminium alloy

**BARRIER CABLE GLANDS FOR ARMORED
AND NON-ARMORED CABLES**



FB, FGAB SERIES

FB and FGAB series barrier cable glands are used for the direct insertion of cables into Ex d boxes. Every single conductor is locked and 'Ex d' sealed into the bushing using a special sealing compound which prevents the propagation of flames. Therefore, they are used instead of the locking joint in conduit installation. They are supplied with a resin finishing kit. Many accessories are available: shrouds, earthing ring, locknut and gasket for parallel threads.

- Nickel-plated brass. Other materials (galvanized steel - aluminium - stainless steel) upon request.
- Bi-component polyurethane resin. Epoxy resin for temperatures from -40° to +110° C upon request.
- Different threads available.

Group II, Category 2GD

Ex d IIC Gb
Ex e IIC Gb
Ex tb IIIC Db

IP 66/67

Zone 1-2-21-22

Nickel-plated brass standard



**CABLE GLANDS
FOR NON-ARMORED CABLES
WITH MALE AND FEMALE
THREADED ENTRY**



NAVF, NAVN SERIES

NAVF (female threaded entry) and NAVN (male threaded entry) series cable glands have the technical features of NAV series.

- NAVF, NAVN available standard in nickel-plated brass. Other materials (galvanized steel - stainless steel) upon request.
- High-tech and high mechanical performance compression rings and gaskets with high-temperature resistance.
- NPT and isometric threads.

REVF, REVN series available while supplies last.

Group II, Category 2GD

Ex db IIC Gb
Ex eb IIC Gb
Ex tb IIIC Db

IP66/68

Zone 1-2-21-22

Nickel-plated brass standard

**POLYAMIDE CABLE GLANDS
FOR NON-ARMORED CABLES**



UNI SERIES

UNI series cable glands in polyamide are used for the direct insertion of non-armored cables into 'Ex e' or 'Ex i' equipment or junction boxes. They can be easily installed and the clamping is obtained on the cable external sheath.

- Polyamide 6, neoprene gaskets.
- ISO lead 1,5 thread for UNI series.
- Ral 9005 black color (Ex e) or Ral 5015 blue color (Ex i).
- 7J impact resistance.

Group II, Category 2GD

Ex e IIC Gb
Ex tb IIIC Db
IP 66/68

Zone 1-2-21-22

Polyamide

Control Valves



Rotary Ball • V-Ball • Eccentric • Butterfly **Linear** Low Cv • Stem Guided • Cage Retained • Anti-Cavitation & Noise

Brands DeZURIK • Jordan Valve • LowFlow • A-T Controls • Dwyer • CVS



Ball Valves



2-Piece • 3-Piece • Flanged • High Alloys

Brands A-T Controls • Marwin Valve

Butterfly Valves



Rubber Lined • High Performance

Brands Ebro-Armaturen • DeZURIK • A-T Controls

Knife Gate Valves



Cast • Fabricated • Solids • Slurries • High Alloys • Specials

Brands DeZURIK • Stafsjo • Hilton

Eccentric Plug Valves



Standard or 100% Port • High Alloys

Brands DeZURIK

Regulators — Industrial



Pressure • Back Pressure • Vacuum • Temperature • Globe • Sliding Gate • Piloted • Low and High Pressures

Brands Jordan Valve • LowFlow • Dwyer

Multi-Port Valves



3-Way • 4-Way • 5-Way • High Alloys

Brands DeZURIK • A-T Controls • Marwin Valve



Valves — Hygienic

Valves, Regulators & Piping Accessories

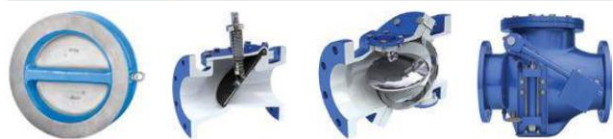


Valves Diaphragm • Ball • Multiport • Globe • Low Cv • Check Valves **Regulators** Pressure • Back Pressure • Air-Loaded
Piping Accessories Steam Traps • Sight Glasses • Sample Coolers

Brands LowFlow • Steriflow • SED

Valve Accessories

Check Valves



Positioners • I/P Transducers • FRLs • Limit Switches

Double Door • Silent • Swing • Flapper • Slanting Disc

Brands SIEMENS • Marsh Bellofram • ASCO Numatics • A-T Controls • Dwyer

Brands DeZURIK • Mueller • APCO

Solenoid Valves

Piping Specialties



Two-Way • Three-Way • Four-Way • Air-Operated • Combustion Valves • Replacement Coils • Repair Kits

Steam Traps Delta Element • Bucket • Thermostatic • Float • Capsule • Disc **Strainers** Y-Pattern • Basket • Duplex • Temporary **Eductors** Industrial • Sanitary

Brands ASCO Valve Co

Brands Bestobell Steam • Titan • Jacoby-Tarbox

Level Transmitters



Liquids and Solids Radar • Guided Wave Radar • Ultrasonic • Capacitance • Hydrostatic Pressure • Load Cells • Nuclear • Buoyancy • Air Bubbler • Servo Gauges

Brands SIEMENS • Honeywell • Enraf • Ronan • Minebea Intec (Sartorius) • WIKA



Temperature

Transmitters, Switches, Thermometers & Sensors



Mechanical • Intelligent – Solid State • Thermocouples • RTDs • Infrared Non-Contact • Digital • Bi-Metal • Wells • Thermocouple Wire • Sensor Assemblies • Tubeskin Sensors • Multipoint Sensors

Brands SIEMENS • Honeywell • WIKA • Gayesco • United Electric • Pyromation • Dwyer • Ametek U.S. Gauge • Taylor • Ametek Land • Pyragon • Palmer-Wahl

Indicators



Panel Meters • Process Indicators • Alarm Annunciators

Brands Honeywell • SIEMENS • Precision Digital • Ronan

Bulk Solids Handling



Belt Scales • Weighfeeders • Solids Flowmeters • Speed Switches • Motion Failure Alarms • Sensors • Integrators • Rotary Dosing Valves • Vibration Dosing Valves

Brands SIEMENS • Ronan Engineering • Ebro-Armaturen

Industrial Wireless



Data and I/O Systems • ISA100-Compliant • WirelessHART • Field Transmitters • Battery Operated • Gas Detection

Brands Honeywell • SIEMENS • Banner Engineering • United Electric

Instrument Accessories



Chemical Seals • Snubbers • Syphons • Instrument Manifolds • Handheld HART® Communicators • Signal Conditioners • Calibration Instruments • Power Supplies • Current Transducers • Air Regulators • Chart Paper and Pens

Brands WIKA • Ametek • Mansfield & Green • Absolute Process Instruments (API) • Marsh Bellofram • Hex Valve • Graphic Controls • CR Magnetics • Mid-West Instrument • Meriam • Phoenix Contact • Practical Instrument Electronics



Combustion

Flame Safety, Burner Controls, & Burners



Flame Safeguards & Detectors • Igniters • Combustion Control Panels • Fuel Trains • Shut Off & Vent Valves • Actuators • Ratio & Flow Control • Mechanical Safety Switches • Heat Exchangers

Brands Honeywell • Maxon • Eclipse • Kromschroder • Hauck • Exothermics • Fireye • ASCO Valve Co



ABB Analytical

- FT-IR and FT-NIR Spectroscopy



Alfa Laval (formerly Gamajet)

- Tank Cleaning Systems



Applied Analytics

- Liquid and Gas Process Analyzers



Crouse-Hinds by Eaton

- Alarm Call Points
- Beacons and Strobes
- CCTV Camera Stations
- Sounders and Horns



Baker Hughes, a GE Company

- Digital Oxygen Transmitters
- Portable Moisture and Flow Survey Instruments
- Single and Multichannel Moisture Analyzers
- Ultrasonic Flowmeters and Transmitters
- Bently Nevada Condition Monitoring
- Bently Nevada Vibration Analysis



Gasmeter Technologies

- Portable and Permanent FT-IR Gas Analyzers



Grimm Technologies

- Aerosol Particulate Monitors
- Environmental Dust Monitoring Systems

Honeywell

Industrial Safety



- Electrochemical, Infrared, and Diffusion Sensors
- Fixed Gas Monitoring Systems
- Portable/Personal Gas Monitors for Combustibles, Toxic Gases, and Oxygen
- Wireless Gas Detection Systems



International Sensor Technology

- Fixed and Portable Toxic/Combustible Gas Monitors (ppm and %LEL ranges)



Interscan Corp

- Permanent/Portable Toxic Gas Analyzers



Ion Science

- Gas Sensing and Leak Detection Monitors
- Portable Gas Leak Detectors
- Portable Photoionization Detectors for VOCs/TACs



Morphix Technologies (K&M)

- Personal Monitoring Badges



PCME

- Particulate Performance Monitors



PermaPure

- Gas Sample Conditioners and Components



PID Analyzers

- Process Gas Chromatographs



Sensidyne/Gilian

- Personal and Area Sampling Pumps
- Primary Flow Calibrators
- Humidity-Resistant PID for VOC Monitoring
- Impingers, Cassettes, Sorbent Tubes

SIEMENS

Siemens Process Analytics

- Calomat Extractive Process Gas Analyzers
- Fidamat Extractive Process Gas Analyzers
- Laser Analytics In-Situ Process Gas Analyzers
- Oxymat Extractive Process Gas Analyzers
- Ultramat IR Active Component Extractive Process Gas Analyzers
- Ultramat/Oxymat Process Gas Analyzers



Testo

- Combustion Test Instruments
- Portable Thermometers, Anemometers, and Hygrometers
- Digital Temperature and Humidity Loggers



TSI | Alnor | Quest

- Air Volume Flow Measuring Hoods
- Indoor Air Quality/Aerosol Monitors
- Portable Air Velocity Meters
- Air Quality and Particulate Monitors
- Heat Stress Monitors
- Noise Dosimeters
- Sound Level Meters

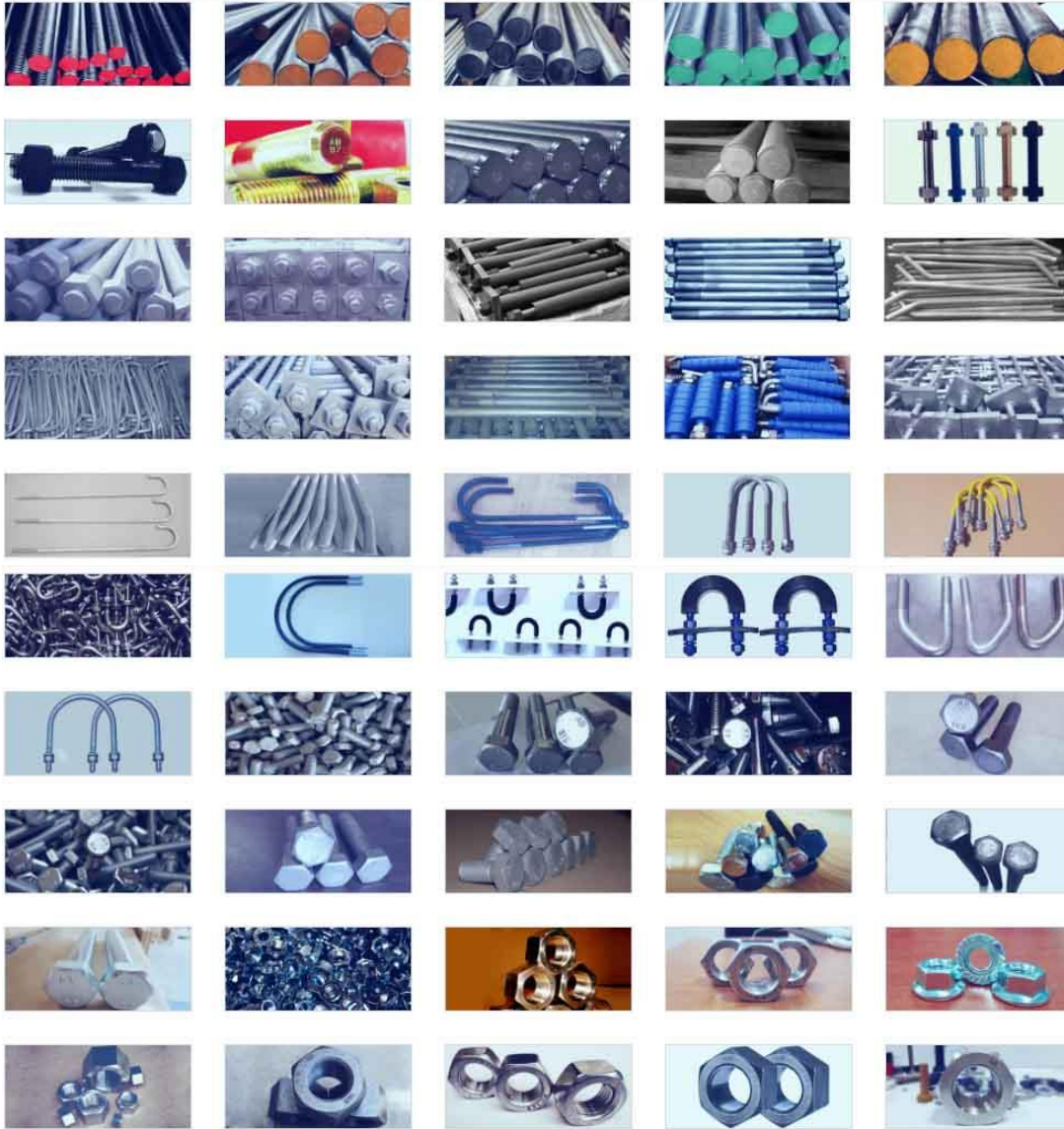




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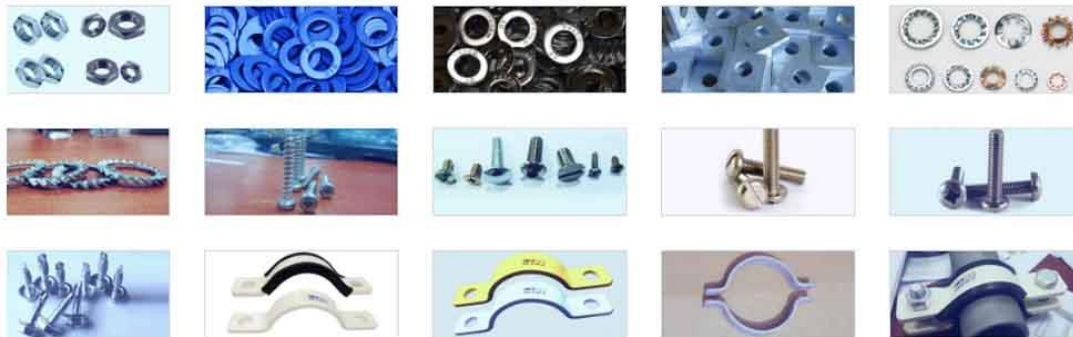
a total solution to your project

Anchor Bolts	Stud Bolts	U Bolts	Hex & Heavy Hex Bolts	Nuts	Washers	Machine Bolts	Pipe Clamps
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Electromech Projects Group Companies



The Products



GRP Instrument ENCLOSURE & SUNSHADE

Features

- ⊗ GRP Instruments enclosure suitable for 1,2,3 instruments
- ⊗ Full range of accessories available
- ⊗ Suitable for ambient temperature from -60°C to +100°C
- ⊗ Fully tested for all ambient conditions
- ⊗ Certified ATEX, PED, EAC, CU TR
- ⊗ Technical support in all phase





GRP Instrument ENCLOSURE & SUNSHADE

Outlook of Enclosure

Technical Characteristics

- Hinges, clasps and lid propstay made in stainless steel
- Minimum thickness 3 mm
- Light grey color similar to RAL 7032 for non ATEX
- Working temperature range: -60°C + 100°C
- Gasket made in EPDM or Silicone
- Window made in safety glass
- Hardly inflammable and self-extinguishing
- Resistant to most corrosive types of industrial environments, acids and alkalis
- Not absorption of hydrocarbons
- High structural strength
- Resilient and mechanical double seal system

Certifications and Approval

- ATEX certified (INERIS certificate EQEN 025354/11)
- CU TR 012/2011 certified
- "V" classification in according to UL 94 June 2009 (Istituto Giordano test report nr 311399)
- UV Resistant in according to ISO 179-1 (IMQ test report 43SL00177)
- IP 66 construction (NEMKO test report nr 189859-1TRFENV)
- Positively tested in Wind Tunnel up to 160 km/h (Politecnico di Milano test report nr P48-07)
- Positively tested Sand and Dust Procedure II - Blowing sand in according to MIL-STD-810G METHOD 510.5 (KIWA test report KIP-089534/01)
- Positively tested to Salt Mist Corrosion (KIWA test report KIP-090110/01)

Visual Index

Model No Series IE	External Dimension-mm Width x Depth x Height	Weight kg	Model No Series IE	External Dimension-mm Width x Depth x Height	Weight kg
500G1	460 x 410 x 490	7.5	700G1	710 x 395 x 495	10.0
500G2			700G2		
500N1			700N1		
500N2			700N2		

For the details of available Options/Accessories, refer to the catalog.

Instrument MANIFOLD & NEEDLE Valves

Features

- 2, 3, 5 valves manifold in rating 6,000 and 10,000 psi
- Needle valves, multiport and gauge valves
- Monoflange and double block and bleed valves
- Manufactured in AISI 316 or exotic materials
- Certified ATEX, PED, EAC
- Manufactured since 1999
- Tens of thousands of successful installations worldwide





Instrument LOK FITTINGS & Precision PIPE FITTINGS

Outlook of Lok Fittings & Precision Pipe Fittings

Instrument Tube Fittings



- 1/16" ~ 2"OD, 2mm~50mmOD
- Lok, Weld System, Stub End
- NPT, BSPT, BSPP Pipe Threads
- 316SS, Duplex, Super Duplex, Alloy (Monel, Inconel)
- Gaugeability
- Interchangeability & Intermixability
- Corrosion Resistance
- Less Torque and Anti Distortion
- Excellent Finish Level
- Radius Junction on Every Elbows
- Comply with NACE MR-0175

Precision Instrument Pipe Fittings



- 1/8" ~ 1" NPT, BSPT, BSPP Thread & Weld System
- 316SS, Duplex, Super Duplex, Alloy (Monel, Inconel)
- 10K (10000psig) available
- Quality Forgings
- Excellent Finish Level
- Radius Junction on Every Elbows
- Comply with NACE MR-0175

Instrument Tubes



- 1/8"~1"OD, 3mm ~ 25mmOD
- 304SS, 316SS, Duplex, Super Duplex, 904L
- Seamless, Semi-Seamless, Weldec
- Straight or Coil
- Pre-Insulated Tube (PIT) available
- Excellent Inside Diameter Surface Finish Level
- BA & EP tubes available for UHP application

Instrument VALVES

Features

- ⊗ BALL VALVES with 1000, 2000, 3000, 6000 psig ratings
- ⊗ NEEDLE VALVES with various stem types and configurations
- ⊗ CHECK VALVES with 3000 psig rating
- ⊗ Every valve is 100% factory tested with nitrogen at 1000 psig (69 bar)
- ⊗ Thousands of successful installations worldwide



BV 10 Series



BV 30 Series



NV 50 Series



CV 30 Series



Instrument VALVES

Outlook of Instrument Valves

BV10 Series Ball Valves



- MAWP(Max Working Pressure) 1000psig (69bar) with PTFE seat, 2000psig (135 bar) with TFM seat
- MAWT (Max Working Temperature) 38°C (100°F) with PTFE 170°C (338°F) with PEEK
- Flow Coefficient (Cv) : 0.84 to 25
- Size range 1/4" to 1" or 6mm to 25mm OD. 1/4" to 1" Pipe Thread or Weld System
- Locking Handle in On and Off Position
- Compact Bar Stock Construction

BV30 Series Ball Valves



- MAWP : 3000psig (206bar)
- MAWT : 65°C (150°F)
- Size range 1/8" to 3/4" or 3mm to 20mm OD 1/8" to 1/2" NPT or BSPT Pipe Thread
- One Piece Compact Body
- Panel Mounting Nut

NV50 Series Needle Valves



- MAWP : 5000psig (340bar)
- MAWT : -53~232°C (-65~450°F)
- Size range 1/8" to 1" or 6mm to 25mm OD 1/8" to 1" Pipe Thread or Weld System
- Compact Forged Body,
- Panel Mounting Nut

CV30 Series Check Valves



- MAWP : 3000psig (207bar)
- MAWT : -23~204°C (-10~400°F)
- Size range 1/4" to 1" or 6mm to 25mm OD 1/8" to 1" Pipe Thread
- Adjustable or Fixed Cracking Pressure

Instrument BULK materials

- ⚙️ A complete package supply for instrument installation
- ⚙️ Experienced staffs with expert technical information

Seamless Instrument Tubing



Air Headers



Forged Fittings



Condensate Pots



Syphons





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