GAS EQUIPMENT COMPANY L.L.C.
شــركــة مــعــدات الــغــاز ذ.م.م.

Trusted Supplier Of **Gas, Oil, & Water Equipment** in GCC

مورد موثوق لمعدات الغاز في دول مجلس التعاون الخليجى

Contents

Introduction
المقدمة

Gas Equipment Company Limited was established in the year 1992 and operates as the trading division of SERGAS Group. It is the exclusive distributor in the region of reputed European and American agencies.

Gas Equipment Company has been selected as the supplier of equipment in gas, oil and water for many landmark construction projects across the U.A.E., Oman and K.S.A as the quality of our products is highly trusted.

The range of products includes more than a thousand items, mainly for L.P.G. and Natural Gas in Domestic, Commercial and Industrial Systems.

تاسست شركة معدات الغاز المحدودة سنة ١٩٩٢، و تعتبر القسم التجاري لمجموعة سرغاز حيث انها الموزع الحصري في المنطقة لوكالات اوروبية و امريكية شهيرة

اختيرت شركة معدات الغاز كمورد لمعدات الغاز و النفط و المياه في العديد من المشروعات الانشائية الكبيرة في الامارات العربية المتحدة،و عمان،و المملكة العربية السعودية حيث تحضي جودة منتجاتنا بثقة عالية

شملت منتجاتنا اكثر من الف صنف من المعدات، منها بالاساس الخاصة بالغاز البترولي المسال، و الغاز الطبيعي في النظم السكنية،و التجارية، و الصناعية

GECO has been chosen as the supplier of gas equipment for a number of a big and prestigious projects such as:

- Burj Khalifa, Dubai
- Burj Al Arab, Dubai
- Emirates Palace, Abu Dhabi
- Ferrari World
- Muscat City Center, Oman
- Kempinski Hotel, K.S.A.

- برج خليفة ،دبي
- برج العرب ،دبي
- قصر الإمارات ،أبو ظبي
- عالم فيراري
- مسقط سيتي سنتر ،عمان
- فندق كمبينسكي ،المملكة العربية السعودية

GAS DETECTORS

GLD 0305 LPG Detector
Product Code: L028SM

Gas leak alarm suits applications mainly in long-time slow gas leakage detection, it adopts microcomputer controlled AD system which enables detection work status under low power consumption situation.

Technical Specifications

Supply voltage	240v AC, 50/60 Hz
Power	2VA max
Operating temperature	-5°C to +35°C
Relative humidity	5% to 95%
Fitting	Wall mounted

APPLICATION
- Liquefied Petroleum Gas Systems
- Domestic use

GLD 0305 NG Detector
Product Code: L028SM-N

GLD 0305 gas leak alarm suits applications mainly in long-time slow gas leakage detection. It adopts microcomputer controlled AD system which enables detection work status under low power consumption situation.

Technical Specifications

Supply voltage	240v AC, 50/60 Hz.
Power	2VA max.
Operating temperature	-5°C to +35°C
Relative humidity	5% to 95%
Fitting	Wall mounted

APPLICATION
- Use for household applications
- Natural Gas use

220VAC Gas Detector
Product Code: L028B

These products comply with the most severe standards and use the last generation sensor technology. They can be semi-flush mounted, using the optional support GSPE7390B.

Technical Specifications

Supply voltage	230v (50 or 60 Hz)
Insulation	Double insulation (Class 2)
Operating temperature	-10°C to +40°C

APPLICATION
- Installed indoor to prevent against gas leakages

Trusted Supplier Of Gas, Oil,
& Water Equipment in GCC

GAS DETECTORS

OLC 10 & OLCT 10 Detector

OLDHAM

Designed for use in boiler rooms and parking garages, OLC 10 gas monitors give you the most cost-effective solution for the continuous monitoring of flammable gases and vapors in ambient air.

Technical Specifications

Product Code:	OLC 10 Code: L086C	OLCT 10 Code: L086B
Signal output	Wheatstone bridge	Normal operation
Range	Combustible gases - 0 to 100% LEL , methane, butane, oropane, LPG, natural gas or H2	Oxygen carbon monoxide nitric oxide nitrogen dioxide
Operating temp.	-10 to + 45 °C	-10 to + 45 °C

FEATURES
- ATEX Approval for use in hazardous areas
- Fast and accurate response

OLC 100 LPG Gas Detector
Product Code: L087A

OLDHAM

APPLICATION
- Tank Area

FEATURE
- Explosion proof

FEATURES
- ATEX Approval for use in hazardous areas
- Fast and accurate response

OLCT10N NG Detector
Product Code: L320

OLDHAM

APPLICATION
- Natural Gas use

FEATURES
- ATEX Approval for use in hazardous areas
- Fast and accurate response

GAS DETECTORS

TS293 INDUSTRIAL GAS DETECTORS
Product Code: TC012

Tecno Control

Technical Specifications

Power supply	12÷24 Vdc
EX marking ⟨Ɛx⟩	II 2G Ex d IIC T6 Gb
No. 1 linear 4÷20 mA current output	
Terminals plug-in polarized type	

TS293

FEATURES
- Explosion proof

TS282 WEATHER PROOF DETECTORS
Product Code: TC011

Tecno Control

Technical Specifications

Power supply	12÷24 Vdc
IP rating	IP65
No. 1 linear 4÷20 mA current output	
No. 3 LED shows the working condition (red: alarm; green: normal; yellow: fault)	
Terminals plug-in polarized type	

SE230K RESIDENTIAL GAS DETECTOR
Product Code: TC023

Tecno Control

The IMQ certification in accordance to the standards CEI EN50194 guarantees the perfect working of these gas detectors.
In presence of gas detection, the alarm spy is lighting, the buzzer emits a loud signal and thanks to the output relay, it is possible to manage the closing of the solenoid gas valve.

G2.5 Gas Meter
Product Code: J023SP

SITEX diaphragm gas meters fully complying with EN 1359 standard and approved by the official European TPI Oil and Gas Institute and Abu Dhabi Civil Defense.

APPLICATION
- SITEX gas meters G2.5 are designed for L.P.G and Natural Gas

Technical Specifications

Parameter Name	Unit	Model C 2.5
Operating temperature	$^{\circ}$C	- 20 to + 50
Storage temperature	$^{\circ}$C	- 40 to + 60
Weight	kg	1.8

G4 Gas Meter
Product Code: J005

SITEX gas meters G4 is a high-grade measuring instrument built with solid structure, high accuracy, safety and a series of advanced technical details. The meter is characterized by precise measurements, a constant measuring stability, a long life and high reliability. The gas meter is suitable for various gas media

FEATURES
- SITEX diaphragm gas meter meets the requirements of the EN1359:1998/A1:2006 and OIML R137 (2012) standards

Technical Specifications

Maximum Flow Rate Qmax	6.0 m³/h
Minimum Flow Rate Qmin	0.04 m³/h
Max. Operating Pressure	1.5 bar
Max. Pressure Loss	≤ 2 mbar
Accuracy class	1.5 class
Cyclic volume	1.2 dm³
Pulse value	0.01 m³/pulse
Weight	2.2 kg

G6 Gas Meter
Product Code: J006

SITEX gas meters G6 is suitable for various gas media. The integrated calibration system coordinates the movement of the valves in relation to the optimum gas flow. The meter is characterized by precise measurements, a constant measuring stability, a long life and high reliability. Thanks to the use of high-grade materials the diaphragm gas meter is resistant to corrosion.

Technical Specifications

Maximum Flow Rate Qmax	10 m^3/h
Minimum Flow Rate Qmin	0.06 m^3/h
Max. Operating Pressure	1.0 bar
Max. Pressure Loss	2 mbar
Accuracy class	1.5 class
Cyclic volume	2 dm^3
Pulse value	0.01 m^3/pulse
Weight	3.05 kg

FEATURES
- SITEX diaphragm gas meter meets the requirements of the EN 1359:1998/A1:2006 and OIML R137 (2012) standards.

LoRa-ZG1.6S-2, ZG2.5S-2, ZG4S-2 (Steel) LORA Diaphragm Gas Meter

Technical Specifications

Technical index Specification & type		ZG1.6S-2	ZG2.5S-2	ZG4S-2
Nominal flow-rate (q_n)	m^3/h	1.6	2.5	4
Max. flow-rate (q_{max})	m^3/h	2.5	4	6
Min. flow-rate (q_{min})	m^3/h	0.016	0.025	0.04
Operating pressure range	kPa	0.5~50		
Max. permissible	qt≤q≤qmax	±1.5%		
error	qmin≤q≤qt	±3%		
Total pressure loss	Pa	≤250		
Power supply		DC6V (4pcs of AA alkaline batteries)		
Battery lifetime		No less than 1 year		
Ingress Protection		IP65		
Carrier frequency	MHz	470~510		
Transmitting power	mW	≤50		
Communication speed	bps	9600		
Communication frequency		433/470/868/915MHz		
Distance of communication		1.5km (outside and no obstacle)		
Communication mode		LoRa		

FUNCTION
- Data remote transmission
- Connection between meter and HHU or concentrator
- Ultra-low power consumption
- Suitable for complex built environment

G1.6 - G6 GAS METERS

Itron

The RF1 is a compact residential gas meter designed to measure accurately volumes of natural gas, LPG and all non-corrosive gases.

APPLICATION

- The RF1 long-term metrology stability makes it the obvious choice for demanding.
- High consumption residential gas market.

Technical Specifications

Gas Type	Natural Gas, air, propane, butane, nitrogen and all non-corrosive gases
Cyclic Volume	2 dm^3
Temperature Range	Ambient: -25°C to +55°C Gas: -25°C to +40°C Storage: -40°C to +70°C
Max. Operating Pressure	Steel ver.: 0.5 bar (0.1 bar HTL) Aluminium ver. (HP): 1.5 bar
Measuring Range	G1.6 Qmin 0.016 m^3/h Qmax 2.5 m^3/h G2.5 Qmin 0.025 m^3/h Qmax 4 m^3/h G4 Qmin 0.04 m^3/h Qmax 6 m^3/h G6 Qmin 0.06 m^3/h Qmax 10 m^3/h
Pulse Generator Standard	0.1 m^3/pulse (optional 0.01 m^3/pulse)
Pulse Transmitter	Retrofittable LF system, 24 Vdc max – 50 mA max. standard 0.1 m^3/pulse
Casing Material	Steel or Aluminium
Colour	Steel: RAL 7035 Aluminium: RAL 9010

G16 Gas Meter
Product Code: J064

Itron

The G16 diaphragm meters are used for applications requiring high precision and large range ability at low pressure (below 1 bar gauge). The ACD diaphragm meters are approved for fiscal use.

APPLICATION

- Designed for use with natural gas, manufactured gas and other non-corrosive gases.

Technical Specifications

Gas type	Natural gas, air, propane, butane, nitrogen and all non-corrosive gases
Cyclic volume	118 x 126 x 58 mm
Maximum operating pressure	0.5 bar (0.1 bar HTL) for steel version 1.5 bar for aluminium version (HP)

G10 Gas Meter Gallus 2000
Product Code: J062

Itron

The Gallus meets MID and EN1359 (certificate delivered by the LNE), and more than 25 national metrological standards. Its compact design makes the Gallus the right choice where a precise and reliable measurement for medium flow rates is required.

Technical Specifications

Cyclic Volume	1.2 dm³
Temp. Range Operating	-25°C to +55°C
Storage	-30°C to +70°C
Max. Operating Pressure	Steel 0.5 bar (0.1 bar HTL version) Aluminium 1.5 bar

APPLICATION
- A residential gas meter designed for the measurement of natural gas, LPG and all noncorrosive gases.

G4 Gas Meter
Product Code: J004A

elster

The G4 is a synthetic diaphragm meter with the latest technology and injection-molded aluminum body.

Technical Specifications

Nominal cyclical volume	0.04 ft3
Pulse output	1 ft3/pulse
Working Temperature	-40 F to 1400 F
Flows	1.4 ft3/h to 200 ft3/h
Max. operating pressure	5 psig

FEATURES
- Backrun Stop: Prevents the meter from running backwards.
- Crimped Body: Crimped version for PN 0.1 – PN 0.2 – PN 0.5.
- Plastic Measuring Unit: 2L

Cabinet For Gas Meter
Product Code: 31490

SEIFEL

Its protection degree (penetration against ingress of water and solid foreign objects) is IP 43 (as per IEC 60529 standard)It gets a very strong mechanical resistance against shocks (IK 09 as per IEC 62262 standard) High resistance to heat, fire and abnormal heat (as per IEC 60695-2-10 and 11 standard – glow wire at 960°C).

Technical Specifications

	Values	Standard
Operating Temperature	-25 ° C to + 40 ° C	-
Material	Thermoplastic tinted mass	HN 60-E-02 HN 60-S-02
Color	Ivory	AFNOR 3225 NF X 08-002

FEATURES
- The humidity, the saline atmosphere, the temperature differences between night and day will not affect the characteristics of thermoplastic compound, thanks to its molecule homogeneity.

AUTO SHUT OFF VALVE 3814,
Product Code: D023R

CLESSE

Integrated Automatic Excess Flow Valve (ROAI)
Product Code: D309

CLESSE

Back Check Valve
Product Code: D013

REGO

From 1/2" to 2" Ball Valve
Product Code: Group D

CLESSE

From 1/2" to 2" Ball Valves
Product Code: Group D

A+R

From 2" to 6" Flanged Soft Seated Ball Valve
Product Code: Group D

A+R

Solenoid Valve for Gas & Water use
Product Code: Group D

Quick Close Valve
Product Code: D022A

230V Solenoid Valve
Product Code: D069B

Solenoid Valve
Product Code: D069

Globe Valve
Product Code: D031

Excess Flow Valve
Product Code: B017

REGO

Double-check Filler Valve
Product Code: B001A

REGO

Multivalve
Product Code: B002

REGO

Safety Relief Valve
Product Code: B262

REGO

Angle Valve
Product Code: B009

REGO

Check Lock
Product Code: B010

REGO

Check Lock Adaptor
Product Code: B010D

Safety Relief Valve
Product Code: B012

Check Lock Valve
Product Code: B032

Plastic Cap for Valve
Product Code: B013C

Safety Relief Valve
Product Code: B013

Vapor Equalizing Valve
Product Code: B036

Brass Multivalve with 3 outlets
Product Code: D025

Solenoid Valve
Product Code: D084

Multivalve
Product Code: B002C

Repair Kit for Solenoid Valve
Product Code: D084A

Brass Gate Valve
Product Code: D004E

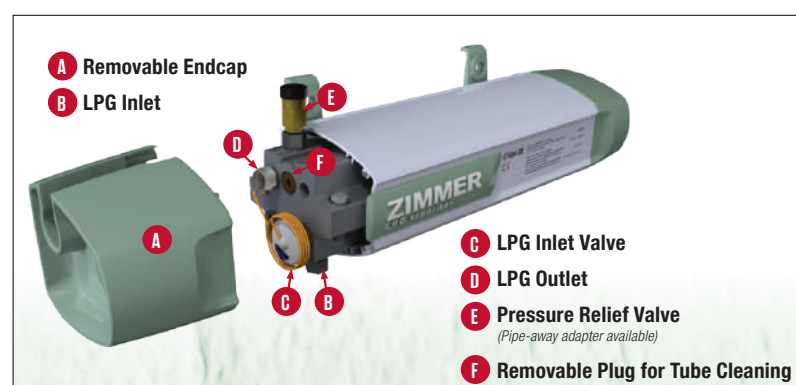## Solenoid Valve
Product Code: Group TC

Z25, Z40, Z50, Z100, Z150 Zimmer Vaporizers

Algas-SDI

If low cost of ownership of a vaporizer is important to you or your customers, **Algas-SDI**, the pioneer in dry-electric vaporizers, has the solution for you. Dry-electric means more reliable operation and less maintenance when compared to other vaporizer types. The **Zimmer** requires almost zero maintenance. In the event that the vaporizer becomes clogged for any reason, it can be easily cleaned onsite without removal.

KEY POINTS

- Energy-Efficient, Self-Modulating Heaters – Only uses the required energy
- Easy access to all maintainable components
- Dry-Electric Design – No water, no glycol to maintain
- Easy to Install – Multiple mounting options
- 25 to 150 kg/hr* – Easily add in parallel for even greater capacities
- Start-up in less than 60 seconds – LPG vapor when you need it

A Removable Endcap
B LPG Inlet
C LPG Inlet Valve
D LPG Outlet
E Pressure Relief Valve
(Pipe-away adapter available)
F Removable Plug for Tube Cleaning

Technical Specifications

Vaporizer Type/Model	Indirect | Dry-Electric | Feed Out				
Model	**Z25**	**Z40**	**Z50**	**Z100**	**Z150**
Hazardous Area Classification	Class I, Division 1, Group D, T3; Ex db IIA T3 Gb (Zone 1)				
Approvals	UL/ULc, CE (ATEX & IECEx), PED (SEP)			UL/ULc, CE (ATEX & IECEx), PED (Category I)	
Vaporization Capacity* Kg/hr	25	40	50	100	150
US Gal/hr	12.5	20	25	50	75
MMBTU/hr	1.1	1.8	2.2	4.5	6.8
Liquid Inlet Connection	1/2" FNPT			3/4" FNPT	
Vapor Outlet Connection	1/2" FNPT			3/4" FNPT	
Design Pressure (MAWP)	250 psig - 17.2 barg				
Relief Valve Set Point	250 psig - 17.2 barg				
Hydrostatic Test Pressure	375 psig - 25.9 barg				
Unit Dimensions	26.9" L x 9.5" H x 8.3" W			67.4" L x 9.5" H x 8.3" W	
	684 mm L x 241 mm H x 210 mm W			1712 mm L x 241 mm H x 210 mm W	
Shipping Dimensions	34" L x 11" H x 14" W			75" L x 11" H x 14" W	
	864 mm L x 280 mm H x 356 mm W			1905 mm L x 280 mm H x 356 mm W	
Shipping Weight	65 lb / 30 Kg	70 lb / 32 Kg	70 lb / 32 Kg	165 lb / 75 Kg	175 lb / 80 Kg
Optional Accessories	Tank Mount Kit; Tank Mount Piping Kit; Wall Mount Kit; Strainer and Piping Kit for Wall Mount; Regulator/Gauge for Wall Mount; Drain Valve Kit			Floor Mount Kit; Wall Mount Kit; Strainer and Piping Kit; Regulator/Gauge Kit; Drain Valve Kit	

TX100, TX160, TX240, TX320 Torrexx Vaporizers

Algas·SDI

Torrexx™ fills the application niche where 3-phase power is available and eliminates the corrosion, evaporation and frequent 'shut-downs' associated with electric waterbaths.

Technical Specifications

Product Code:	TX100	TX160	TX240	TX320
Vaporization type	Indirect dry electric			
Electrical class	Hazardous Area Classification — Class I, Division 1, Group D / ATEX Zone I, EEx d IIB T3 94/9EC			
Vaporization capacity (kg/h)	100	160	240	320
Design pressure	250 PSIG 17.2 Barg			
Relief valve set point	250 PSIG 17.2 Barg			
Hydrostatic test pressure	375 PSIG 25.9 Barg			

APPLICATION

- Schools/Universities
- Hospitals & Clinics
- Hotels & Resorts
- Office GenSets
- Factories

VALVE ASSEMBLY

VAPORIZERS spare parts are available

Algas·SDI

SYNTHETIC NATURAL GAS

XPV SNG System

Algas·SDI

Features:

- Explosion proof.
- Thermal efficiency exceeds 98%.
- UL Stamped safety relief valve 250 psig.
- Simple push-button operation.
- Low vapor pressure safety switch.
- 100% turndown capability, on all models.
- High mixed gas pressure safety switch.
- Shipped complete with all operating and safety controls.
- Accumulator tanks are fabricated and stamped.
- Tank Design Pressure: 200 psig at 650°F.
- All models include venturi silencer for quiet operation.

TAG VAPORIZERS

TAG LPG Vaporizer

Type	Capacity kg/h	Power kW
FOE-25	25	4
FOE-50	50	8
FOE-100	100	16
FOE-100	100	8+8
FOE-150	150	8+16
FOE-200	200	16+16
FOE-250	250	24+16
FOE-300	300	24+24
FOE-350	350	24+16x2
FOE-400	400	24x2+16
FOE-450	450	24x3
FOE-500	500	16x2+24x2
FOE-550	550	16+24x3
FOE-600	600	24x4

Model	Kg/h GPL	Kg/h NH3
FOA-50	50	15
FOA-100	100	30
FOA-200	200	60
FOA-300	300	90
FOA-400	400	120
FOA-500	500	150
FOA-750	750	225
FOA-1000/1500	1250	375

FEATURES:

- Easy to install
- Easy and low cost maintenance
- Reliability
- Minimal long term management cost
- No heating elements in direct contact with gas to avoid build-up and over heating
- No electric power required for standard version
- Flanged steel ball valve on the inlet phase
- Built-in mechanical safety device on the liquid flow
- Water manometer, thermometer and relief valve
- Gas manometer and relief valve
- Gas and water drain valves
- Built-in filter on inlet

STATIC TANKS

- Horizontal aboveground tanks
- Horizontal underground tanks
- Vertical aboveground tanks

Static tanks for the storage of LPG in aboveground and underground installations, made in accordance with European Directive 2014/68/UE and with CE marking.

CAPACITIES: Capacities from 1 to 400 m³. Thanks to the extensive range of diameters, the scope of possible tank sizes always allows storage capacity requirements to adapt to the characteristics of each project.

STORED PRODUCT AND DESIGN PRESSURE: The information in this catalogue refers to storage of LPG at a design pressure of 20 bar.
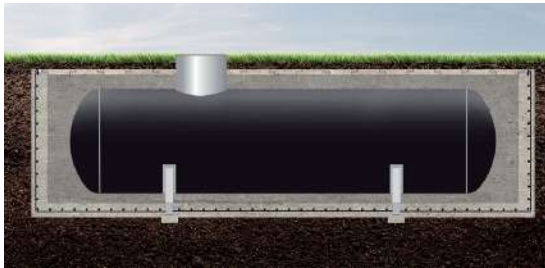
FINISHES: External tank protection with finishes that are highly resistant to corrosion, both for aboveground and underground installations.

- **Standard finish:** Shot-blasting of the whole of the outer surface of the tank, application of high protection capacity epoxy-polyamide primer and top coat of white or black polyurethane depending on whether the tank is installed aboveground or underground.

- **Special finishes:** "thick coat" finish for underground tanks, highly resistant to impacts and with dielectric strength certification (up to 15.000 V).

- **Special finishes at customer's request:** Special finishes according to the customer´s specifications and/or project requirements.

LPG Tank

lapesa

Static tanks for the storage of LPG in aboveground and underground installations, made in accordance with European Directive 2014/68/UE and with CE marking.

APPLICATION

- Horizontal aboveground tanks
- Horizontal underground tanks
- Vertical aboveground tanks

Aboveground tank

Underground tank

Technical Specifications

Prod. Code	A001L	A002	A002C	A002D	A003	A003C	A013C	A016	A016A
Rated cpty.	0.990 L	4000 L	1.825 L	2.450 L	4880 L	4.880 L	7.090 L	10.000 L	7000 L
Approx. empty Wt.	280 kg.	880 kg.	470 kg.	590 kg.	1100 kg.	1100 kg.	1550 kg.	2300 kg.	1700 kg.
Stored gas	415 kg.	1680 kg.	766 kg.	1029 kg.	2050 kg.	2050 kg.	2978 kg.	4200 kg.	2940 kg.
Total area	5,2 m²	15,3 m²	7,9 m²	10,1 m²	18,4 m²	18,4 m²	25,9 m²	29,9 m²	21,7 m²
Above ground min. discharge	41,2 m³/min. air	99,8 m³/min. air	58,0 m³/min. air	71,0 m³/min. air	116,1 m³/min. air	116,1 m³/min. air	153,6 m³/min. air	172,8 m³/min. air	132,9 m³/min. air
Under ground min. discharge	28,8 m³/min. air	69,8 m³/min. air	40,6 m³/min. air	49,7 m³/min. air	81,2 m³/min. air	81,2 m³/min. air	107,5 m³/min. air	121,0 m³/min. air	93,0 m³/min. air

NWG-26 Tanker

BC LDS

Semi-trailer tank for LPG transportation and distribution. Built with capacity of 46 m^3 and made of high tensile steel. Equipped with 2200 mm cylindrical type cross-section, 0 ft 7450 mm BDF (wg DIN EN 283/284) frame to swap bodies, support legs and corner casting. Test pressure up to 2,5 Mpa.

APPLICATION

- LPG transportation and distribution

Technical Specifications

Normal cpty.	Own weight	Load cpty	Total weight	L x W x H
46 m^3	11.700 kg.	21.700 kg.	34 kg.	11.850 x 2.500 x 3.550 mm

NCG-50 Tanker

BC LDS

Semi-trailer tank for LPG transportation and distribution. Built with capacity of 50 m^3 and made of high tensile steel. Equipped with 2200/2400 mm cylindrical type cross-section, support legs and corner casting. Test pressure up to 2,5 Mpa.

APPLICATION

- LPG transportation and distribution

Technical Specifications

Normal cpty.	Own weight	Load cpty	Total weight	L x W x H
50 m^3	12.300 kg.	22.300 kg.	34 kg.	11.850 x 2.500 x 3.550 mm

ACG Tanker

Truck mounted cistern type for LPG transportation and distribution. Made of high tensile steel, cylindrical type cross-section, fuel level gauge, bottom valve of liquid phase, bottom valve of gas phase and safety vales.

APPLICATION
- LPG transportation and distribution

Technical Specifications

Model Code:	Normal cpty.	Own weight	Load cpty	Total weight
ACG-17	17 m³	5.000 kg.	7.000-8.000 kg.	18.000 kg.
ACG-26	26 m³	6.000 kg.	12.000-13.000 kg.	26.000 kg.

PCG-19 Tanker

Tank tailer type for LPG transportation. Built with water capacity of 19 m³ and made of high tensile steel. Equipped with 2bottom valve of liquid phase, bottom valve of gas phase, inspection manhol, valle with cover, safety vales, thermometer ad manometer. Test pressure up to 2,5 Mpa.

APPLICATION
- LPG transportation

Technical Specifications

Normal cpty.	Own weight	Load cpty	Total weight	L x W x H
19 m³	6.500 kg.	9.500 kg.	16.000 kg.	7.570 x 2.500 x 3.380 mm

120 kg/hr Regulator
Product Code: C136

Pressure inlet: 0.5-4 bar
Pressure outlet: 20-300 mbar

25 kg/hr 2nd stage Regulator
Product Code: C009A

Pressure inlet: 0.5-2 bar
Pressure outlet: 37 mbar

4 kg/hr Regulator
Product Code: C229

Pressure inlet: 1-16 bar
Pressure outlet: 20-300 mbar

1.3 kg/hr 2nd stage Regulator
Product Code: C004R

Pressure inlet: 0.5-1.75 bar
Pressure outlet: 37 mbar

4 kg/hr Regulator
Product Code: C182

Pressure inlet: 1-16 bar
Pressure outlet: 37 mbar

12-18 kg/hr Regulator
Product Code: C160

Pressure inlet: 1-16 bar
Pressure outlet: 1-3 bar

20 kg/hr Regulator
Product Code: C213

Pressure inlet: 0.5-7.5 bar
Pressure outlet: 30(25-45) mbar

30 kg/hr Regulator
Product Code: C137

Pressure inlet: 0.8-4 bar
Pressure outlet: 20-300 mbar

7.2 kg/hr Regulator
Product Code: C207B

Pressure inlet: 45-200(400) mbar
Pressure outlet: 37 mbar

Low Pressure Regulator
Product Code: C207

Pressure inlet: 25-200(400) mbar
Pressure outlet: 21 mbar

40 kg/hr Regulator
Product Code: C002A

Pressure inlet: 2.5-16 bar
Pressure outlet: 0.5-2 bar

4-8 kg/hr Regulator
Product Code: E036

Pressure inlet: 0.7-16 bar
Pressure outlet: 0.5-2 bar

150 kg/hr Regulator
Product Code: 015A

Pressure inlet: 0.5-16 bar
Pressure outlet: 1-3 bar

250 kg/hr Regulator
Product Code: C188

Pressure inlet: 3.5-17.2 bar
Pressure outlet: 1-3 bar

40 kg/hr Regulator
Product Code: C212

Pressure inlet: 0.5-4 bar
Pressure outlet: 10-200 mbar

20 kg/hr Regulator
Product Code: C213

Pressure inlet: 0.5-7.5 bar
Pressure outlet: 30 (25-45) mbar

40-80 kg/hr Regulator
Product Code: C002C

Pressure inlet: 3.5-16 bar
Pressure outlet: 1-3 bar

250 kg/hr Regulator
Product Code: C048

Pressure inlet: 1.5 bar
Pressure outlet: 250-350 mbar

8 kg/hr 2nd Stage Regulator
Product Code: C012

Pressure inlet: 0.5-4 bar
Pressure outlet: 500 mbar

8 kg/hr 2nd Stage Regulator
Product Code: C006

Pressure inlet: 0.5-1.75 bar
Pressure outlet: 37 mbar

200 M³/hr (NG) - 250 kg/hr (LPG) Regulator
Product Code: C074

Pressure inlet: 1-5 bar
Pressure outlet: 300(250-400) mbar

15 kg/hr 2nd Stage Regulator
Product Code: C014D

Pressure inlet: 0.5-4 bar
Pressure outlet: 120-300 mbar

70 kg/hr Regulator
Product Code: C019D

Pressure inlet: 0.5-2 bar
Pressure outlet: 37 mbar

230 kg/hr Regulator
Product Code: C030

Pressure inlet: 4.5-16 bar
Pressure outlet: 0.2-2.1 bar

7.2 kg/hr Regulator
Product Code: C207C

CLESSE

Pressure inlet: 45-200(400) mbar
Pressure outlet: 37 mbar

10 kg/hr Regulator
Product Code: C208

CLESSE

Pressure inlet: 1-5 bar
Pressure outlet: 75 mbar

40 kg/hr Regulator
Product Code: C199

CLESSE

Pressure inlet: 0.5 - 2 bar
Pressure outlet: 30 (25-45) mbar

5-10 kg/hr Regulator with gauge
Product Code: E021A

CLESSE

Pressure: 1-3 bar

Regulator LV4403
Product Code: C025

REGO

Spare parts available

Auto Changeover 12 kg/hr
Product Code: E002C

Auto Changeover 6kg/hr
Product Code: E002E

High Pressure Automatic Changeover
Product Code: E019

Excellent "change-over performances". The large pressure gap between "service" and "reserve" (more than 15% of nominal regulated pressure) ensures full use of the LPG from the "service" cylinder.

Technical Specifications

Code	Inlet code	Inlet connection	Outlet code	Outlet connection	Flow rate (LPG) kg/hr
0126003	E1E	MAL-G3/4RH	E1E	MAL-G3/4RH	50
0126002	E1E	MAL-G3/4RH	E1E	MAL-G3/4RH	50

APPLICATION

- Used in domestic, commercial or agriculture applications up to 50 kg/hr (690kW)

Two-way manifold
Product Code: E034A

Excellent corrosion protection thanks to electrolytic deposition of epoxy material. New compact design with wall bracket for fixation allowing for optimal accessibility.

Technical Specifications

Code	Inlet code	Inlet connection	Outlet code	Outlet connection	No. of Cylinder
006650AB	L1A	MAL W20LH-UNI	L1A	MAL W20LH-UNI	2
006650BA	L1A	MAL W20LH-UNI	L1A	MAL W20LH-UNI	3
006650BB	L1A	MAL W20LH-UNI	L1A	MAL W20LH-UNI	3

APPLICATION

- Allows to assemble two (2)manifold combinations together in order to increase the number of connected cylinder

Three-way manifold
Product Code: E025A

CLESSE

Equipped with an internal non return valve to avoid any leakage whilst cylinders are changed. Can be used up to service pressures of 20bar.

Technical Specifications

Code	Inlet code	Inlet connection	Outlet code	Outlet connection	No. of Cylinder
006650DA	L1A	MAL W20LH-UNI	N6A	NUT M20x1,5 RH	1 - Right side
006650DB	L1A	MAL W20LH-UNI	N6A	NUT M20x1,5 RH	1 - Left side
006650AA	L1A	MAL W20LH-UNI	L1A	MAL W20LH-UNI	2

APPLICATION
- Possibility to assemble tup to three (3) manifold combinations together in order to increase the number of connected cylinders.

Four-way manifold
Product Code: E035A

CLESSE

Equipped with an internal non return valve to avoid any leakage whilst cylinders are changed. Can be used up to service pressures of 20 bar. Excellent corrosion protection thanks to electrolytic deposition of epoxy material.

Technical Specifications

Code	Inlet code	Inlet connection	Outlet code	Outlet connection	No. of Cylinder
006650BB	L1A	MAL W20LH-UNI	L1A	MAL W20LH-UNI	3
006650CA	L1A	MAL W20LH-UNI	L1A	MAL W20LH-UNI	4
006650CB	L1A	MAL W20LH-UNI	L1A	MAL W20LH-UNI	4

APPLICATION
- Allows to assemble up to four (4) manifold combinations together in order to increase the number of connected cylinder

Two-way Steel Manifold
Product Code: E034C

boldrin GROUP

Four-way Steel Manifold
Product Code: E035C

boldrin GROUP

MX 32 Gas Detection Control Panel

The MX 32 is a compact, low-profile controller that continuously monitors gas detection, including 4-20 mA, dry logic input, MODBUS RS485 signal from compatible detectors.

Technical Specifications

Model	MX 32 gas detection control panel
Dimensions (w*h*d)	265 x 266 x 96 mm (10.4 x 10.5 x 3.8 inches)
Ingress protection	IP55
Cable entries (wall-mounted version)	5 M16 cable glands, 4 to 8 mm2 (8 to 11 AWG) outer diameter cable
	2 M20 cable glands, 6 to 12 mm2 (7 to 9 AWG) outer diameter cable
Display	LCD back-lit display + smart keys
	Display in grayscale mode in case of fault
	Customizable by user (display 1 to 8 channels simultaneously, fixed or scrolling, on events...)
	Bar graph with alarm threshold
Visual indicators	7 LEDs per line for Detector status
	1 common LED for Fault condition
	1 common LED for Power condition
Buttons	5 smart keys
	1 audible alarm accept/reset button
Power input	100-240Vac 50-60Hz (35W) or 22-28Vdc (92W)
Consumption	250mA max. (without module or detector)
Alarms per channel	5 Alarm levels (A1, A2, A3, Overscale, Underscale) + 1 Fault
	Catalytic bead over range protection

FEATURES

- Analog and digital controller
- Up to eight detectors
- Fully scalable
- SIL1 reliability

FEATURES

- Analog and digital controller
- 4 or 8 lines / 16 to 32 detectors max
- Highly versatile controller
- SIL 1 reliability

MX 43 Gas Detection Control Panel

OLDHAM

Fully scalable, and designed to functional safety performance level 1 standards, the MX 43 is an analog and digital controller that continuously measures and controls gases in the atmosphere. The MX 43 gas detector manages both digital lines and analog channels, and covers all needs for a wide variety of gas monitoring applications. The MX 43 digital technology allows up to 32 detectors to be distributed on 8 lines for increased cost savings.

Technical Specifications

Dimensions	370 x 299 x 109 mm
Ingress protection	IP55 (wall-mounted), IP31 (rack)
Visual indicators	7 LEDs per line for detector status 1 Common LED for fault condition 1 Common LED for power indicator
Power	100-240 Vac 50-60 Hz or 21-28 vdc, 112 W max
Battery	Embedded back up power supply in option (0.6 Ah)
Consumption	500 mA min (without module)
Voltage (typical)	21 To 28Vdc
Maximum current output per line	1.2 A (1.5 A intermittently)
Maximum current output in total	2.4 A permanent (3.2 A intermittently)

SE293K 3 ZONES Control Panel
Product Code: TC042

Tecno Control

The central panel is equipped with graphic backlighted DISPLAY that indicate the reached gas concentration. It is equipped with n° 3 inputs for sensor and n° 3 relays output for alarm and fault with alarms memory. Alarm level are programmable via DIP-switch. TEST and RESET functions.

CE408P 8 ZONES Control Panel

Product Code: TC003

Ideal control pannels for small gas detection systems, high performances. The big back lighted display placed on the front pannel allows the actual visualization in real time of all reading values of the connected sensors. Equipped by 4 inputs and 5 relays, expandable up 8 detectors and 9 outputs relays through specific expansion boards. The intuitive keyboard allows in an intuitive way to use the control pannel and the programming is facilitated by the self-driving system and by the pre-configuration of our detectors.

APPLICATION
- Compatible to all sensors series "SE" and 7S" with output 4-20mA
- Easy setup with pre-configurated list of pre-programmed detectors
- Configuration protected by a password (3 safely levels)
- "RESET" function
- Operation/Working visualization with Yellow, Green, Red LED
- Clock with automatic daylight saving time
- Firmware updating by SD-Card

Technical Specifications

Power supply	230Vac
Inputs	Max 8 detectors
Capacity relay	3A (resistives) SDPT 230Vac
Alarm levels	3 programmable levels
Dimensions (LxHxP)	379x241x133 mm

CE242P 24 ZONES Control Panel

Product Code: TC027

Ideal control pannels for medium gas detection systems, high performances. The big RGB colour back lighted display placed on the front pannel allows the actual visualization in real time of all reading values of the connected sensors. Equipped by a serial RS485 door that connect until n° 2 remote units that allow to manage 8 IN and 9 OUT in central, up to 24 detectors and 25 output relays.

APPLICATION
- Compatible to all sensors series "SE" and "TS" with output 4-20mA
- Easy setup with pre-configurated list of pre-programmed detectors
- Configuration protected by a password (3 safety levels)
- "RESET" function
- Operation/Working visualization with backlighting display
- Clock with automatic daylight saving time
- SD Card for - Firmware updating - data logger - programming backup

Technical Specifications

Power supply	230Vac
Inputs	Max 24 detectors
Capacity relay	3A (resistives) SDPT 230Vac
Alarm levels	3 programmable levels
Dimensions (LxHxP)	379x241x133 mm

Power Supply Unit 24VDC
Product Code: KB6000III

Short circuit and overload protection. Multifunctional power supply/chargers that convert a 115VAC, 60Hz input into a single fused, four (4), eight (8) or sixteen (16) fuse or PTC protected outputs.

APPLICATION

- Dual Voltage + Power and Control Systems

Technical Specifications

Model Number	Total Output Rating (A)	Input Rating: 115VAC, 60Hz	Input Fuse Rating	Power Supply Output Fuse Rating	Number of Outputs
AL1024ULX	10A	4.2A	5A/250V	15A/32V	1
AL1024ULX PD4	10A	4.2A	5A/250V	15A/32V	4
AL1024ULX PD4CB	10A	4.2A	5A/250V	15A/32V	4

FLEXIBLE HOSES

High Pressure Pigtail 1.5Mtr. WITZENMANN
Product Code: E075

Flat sealing collar connection with union nut G ½" from brass, thread according to DIN EN ISO 228/1 (AF 24), high-quality flat sealing, suitable for gas.

APPLICATION
- The design of the braiding allows a very high flexibility and a minimum bending radius of only 40 mm.

Steel Braided Flexible Hose
Product Code: E103

CLESSE

Offers corrugated design and is suitable for up to 70kw with low pressure loss design (less than 1mb).

APPLICATION
- Designed especially to meet the installation requirements of BS6891:2015 and manufactured BS EN ISO 10380.
- Meter Box installations.

High Pressure Pigtails Nut Flexigas 1Mtr.

CLESSE

APPLICATION
- Suitable for piped networks, reticulated systems or cylinder installations.
- This re-enforced rubber hose is intended to supply domestic appliances (cookers for example) in low pressure NG or LPG installations.

High Pressure Pigtails with 1/2" x 1/2" NUT 1.5MTR
Product Code: E046

INTERPIPE

alchemia SA

HDPE PIPE & FITTINGS

CARBON STEEL PIPES & FITTINGS
Available in different sizes

COPPER PIPES & FITTINGS
Available in different sizes

MUELLER INDUSTRIES

GI PIPES & FITTINGS

COPPER COIL

BRASS FITTINGS

Connector

CLESSE

Brass French Nut

CLESSE

Soldering

CLESSE

Double Male

CLESSE

Double Female

CLESSE

Connector Nut 20x150

CLESSE

Check Lock Adaptor

REGO

Brass Hexi Male

COPPER FITTINGS

Tee
Available in different sizes

CLESSE

Coupling
Available in different sizes

CLESSE

Elbow
Available in different sizes

CLESSE

Reducer
Available in different sizes

CLESSE

FORGED STEEL THREADED FITTINGS

90° Elbow
Available in different sizes

BOTH-WELL

Tee
Available in different sizes

BOTH-WELL

Hex Nipple
Available in different sizes

BOTH-WELL

Threaded End Union
Available in different sizes

BOTH-WELL

FORGED STEEL THREADED FITTINGS

Forged Steel Elbow Class 2000NPT
Available in different sizes

BOTH-WELL

Steel Reducer Hex
Available in different sizes

BOTH-WELL

Forged Steel Union Class 3000 NPT
Available in different sizes

BOTH-WELL

Forged Steel Coupling Class 3000 NPT
Available in different sizes

BOTH-WELL

Forged Steel Equal Tee Class 2000 NPT
Available in different sizes

BOTH-WELL

Forged Steel Reducer Hex
Available in different sizes

BOTH-WELL

Forged Steel Hex Class 3000NPT
Available in different sizes

BOTH-WELL

CARBON STEEL WELD FITTINGS

Elbow
Available in different sizes

Reducer
Available in different sizes

End Cap
Available in different sizes

Tee
Available in different sizes

Reducer Tee
Available in different sizes

Barrel nipple
Available in different sizes

CLAMPS

Clamps
Available in different sizes

Screws for Clamp

Lab Master Gas Control Panel
Product Code: LGM5020

GASARC
AN ESAB BRAND

A two stage single cylinder manual change control panels designed for primary pressure gas control. It includes high pressure isolation valves and high pressure purge facility.

Technical Specifications

Product type	LGM5021, LGM5022
Inlet pressure bar [PS]	60 [870], 300 [4350], 15 [220]
Outlet pressure bar [PS]	0 to 3.5 [50], 0 to 6 [90], 0 to 10 [150]
Inlet pressure gauge	No gauge fitted bar/PSI Contact Gauge
Outlet pressure gauge	No gauge fitted bar/PSI
Inlet connection	1/4 NPT female, 1/8 stainless steel compression, 1/4 stainless steel compression, 6mm stainless steel compression, 1/4 NPT male, G3/8 BSP R/H brass male, G3/8 BSP L/H brass male
Outlet	1/4 NPT female, 1/8 stainless steel compression, 1/4 stainless steel compression, 6mm stainless steel compression, 1/4 NPT male, G1/2 BSP R/H brass male, G3/8 BSP R/H brass male, G3/8 BSP L/H brass male
Options	No options selected, certificate of conformity, CO^2 burst disc, calibration/ pressure test certificate, fitted pipeline pressure relief valve, special instruction

APPLICATION

- Its used for non-corrosive or toxic, high purity gases up to grade 5.0 purity (99.999%), on gas distribution systems where constant delivery pressure is required.

High Pressure Flexible Hose
Product Code: LGF520

GASARC
AN ESAB BRAND

Oxygen High Pressure Flexible Hose with Heatsink and Ceramic Non-Return Valve.

Technical Specifications

Inlet pressure bar [PSI]	300 [4350]
Length	900 mm, 1800 mm
Non return valve	NRV fitted
Inlet connection	1/4 NPT female BS341 no.3 BS341 no.4, other connetions available
Outlet	1/4 NPT male

APPLICATION

- High pressure flexible hoses designed for use with Oxygen up to grade 5.0 purity (99.999%).

Single Stage Regulator
Product Code: LGL500

GASARC
AN ESAB BRAND

A single stage diaphragm line regulator with four part configuration and rear panel mounting capabilities.

APPLICATION

- Designed for secondary pressure gas control of non-corrosive or toxic, high purity gases up to grade 5.0 purity (99.999%), on gas distribution systems.

Technical Specifications

Inlet pressure bar [PS]	60 [870]
Outlet pressure bar [PS]	0 to 1.5 [22], 0 to 3.5 [50], 0 to 6 [90], 0 to 10 [150]
Inlet pressure gauge	No gauge fitted
Outlet pressure gauge	No gauge fitted bar/PSI plugged port
Inlet connection	1/4 NPT female, 1/8 stainless steel compression, 1/4 stainless steel compression, 6mm stainless steel compression, 1/4 NPT male, G1/2 BSP R/H brass male, G3/8 BSP R/H brass male, G3/8 BSP L/H brass male
Outlet	1/4 NPT female, 1/8 stainless steel compression, 1/4 stainless steel compression, 6mm stainless steel compression, 1/4 NPT male, G1/2 BSP R/H brass male, G3/8 BSP R/H brass male, G3/8 BSP L/H brass male, isolation valve 1/4 NPT female FKM seal, isolation valve1/4 NPT female EPDM seal, isolation valve 1/8 stainless steel compression FKM seal, isolation valve1/8 stainless steel compression EPDM seal, isolation valve 1/4 stainless steel compression FKM seal, isolation valve 1/4 stainless steel compression EPDM seal, isolation valve 6 mm stainless steel compression FKM seal
Options	no options selected, certificate of conformity (CoC), calibration /pressure test certificate, special instruction

RO6 Young

Reverse osmosis systems are the most frequently selected and installed kitchen filters. They purify water by eliminating sediments, heavy metals, bacteria and viruses. They provide an opportunity to drink a crystal clear, healthy water with the characteristics of spring water. They are mostly installed in a cabinet under the kitchen sink.

Technical Specifications

Symbol	RO6 12 EMI YOUNG RO6 34 EMI YOUNG RO6 38 EMI YOUNG	RO6 12 WFU YOUNG RO6 34 WFU YOUNG RO6 38 WFU YOUNG
Connection	1/2", 3/4", 3/8"	
Working Temperature	2-30° C	
Working pressure	2.8-6 bar	
Efficiency	75 GPD	
Dimension (H/W/D)	47cm x 43cm x 14cm	

- six-stage filtration
- contains L-YOUNG alkalizing, mineralizing and ionizing cartridge
- cost saving and eco-friendly
- removes up to 98% of contaminants from filtered water
- ideal taste flavour of food and beverages

RO6

RO8

OIL PAINT ROLLER
Product Code: M032B
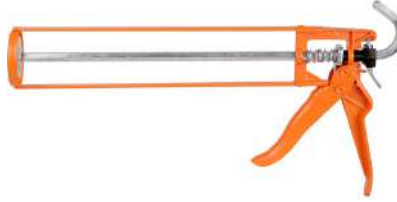
SILICON GUN
Product Code: M036A

PIPE WRENCH 12"
Product Code: T014

PAINT BRUSH
Product Code: M401

HACKSAW FRAME 200 MM
Product Code: T002

CHIPPING HAMMER
Product Code: T030

HALF ROUND FILE 10"
Product Code: T041

CEILING CUTTER
Product Code: T013

SPIRIT LEVEL 1 1/2" X 18"
Product Code: T031

RIGHT ANGLE 12"
Product Code: T006

GRIP PLIER
Product Code: T011

COPPER TUBE CUTTER
Product Code: T032

SCREW DRIVER
Product Code: Group T
Available in different sizes

SCREW DRIVER
Product Code: Group 2
Available in different sizes

Trusted Supplier Of Gas, Oil,
& Water Equipment in GCC

Cutting Discs & Blades
Product Code: Group M
Available in different sizes

Drill Bits
Product Code: Group M
Available in different sizes

Compact Circular Saw 185mm
Product Code: T070

Variable Speed Corded Blower 800W
Product Code: T075

22mm SDS-Plus Combination Hammer With Three Mode
Product Code: T084

Toggle Switch Angle Grinder 100mm 800W
Product Code: T086

Percussion Drill 750W 13mm
Product Code: T083

18V Compact Hammer Driver Brushless 2X1.5Ah
Product Code: T095

List of Brands
قائمة العلامات التجارية

lapesa — Pressure Vessels, Storage Tanks & Hot Water Calorifiers	**ANTONIO MERLONI CYLINDERS GHERGO GROUP s.p.a** — Gas Tanks	**Tecno Control** CAVAGNA INDUSTRIE — Gas Detection System & Solenoid Valves
CLESSE — Valves, Safety Regulators & Fittings	**Sitex** — Gas Meters & Detectors	**Algas-SDI** — Vaporizers & SNG Modules
OLDHAM — Gas Detection System	**TAG** tecnologie applicate per il gas — Vaporizers + Regulators & Solenoid Valves	**Itron** — Gas Meters & Regulators
alchemia SA — Steel Pipes	**BOTH-WELL** — Forged Steel Fittings	**tta** Thaitube utility Butt-Weld Fittings Catalogue — CS. Fittings
A+R — Ball Valves & Solenoid Valves	**Altronix** — Power Supply Board for Panel	**SICOVIS** — Clamps & Screws
aiut — Automation, Robotics & Telemetry	**afer** — Lubrications, Chemicals & Sealant	**GASARC** AN ESAB BRAND — Medical Gas Laboratories Equipment
WIKA — Pressure Gauges	**SEIFEL** — Enclosures	**DRESSER UTILITY SOLUTIONS** — Utility & Metering Solution
ArchiTube ADAWOOD — Laser Scanning	**boldrin** GROUP GAS equipment / Solution / Systems — Variety of Gas Equipment	**ASCO** — Solenoid Valves
REGO — Valves	**DeWALT** — Power Tools	**CHiNT** — Smart Energy Solutions Provider
MARKERT GRUPPE — HQ Hose, Coupling Assemblies & Textile Filters	**Kroch Equipment** Division of Rochester Gauges International S.A. — Pumps & Valves	**Hanwei** — Gas Detectors & Control Panels
PROTECH FIRE www.protech-fire.net — Fire Suspension Systems	**DRICONEQ** — Drill Pipes & Equipment	**GRUPA KAPITAŁOWA PATENTUS** — Mining Machinery & Equipment Manufacturers
USTM — Water Filters & Water Treatment Systems	**Starter** — Winches & Handling Systems	**Voelkel** ARMATUREN VALVES — Valves

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