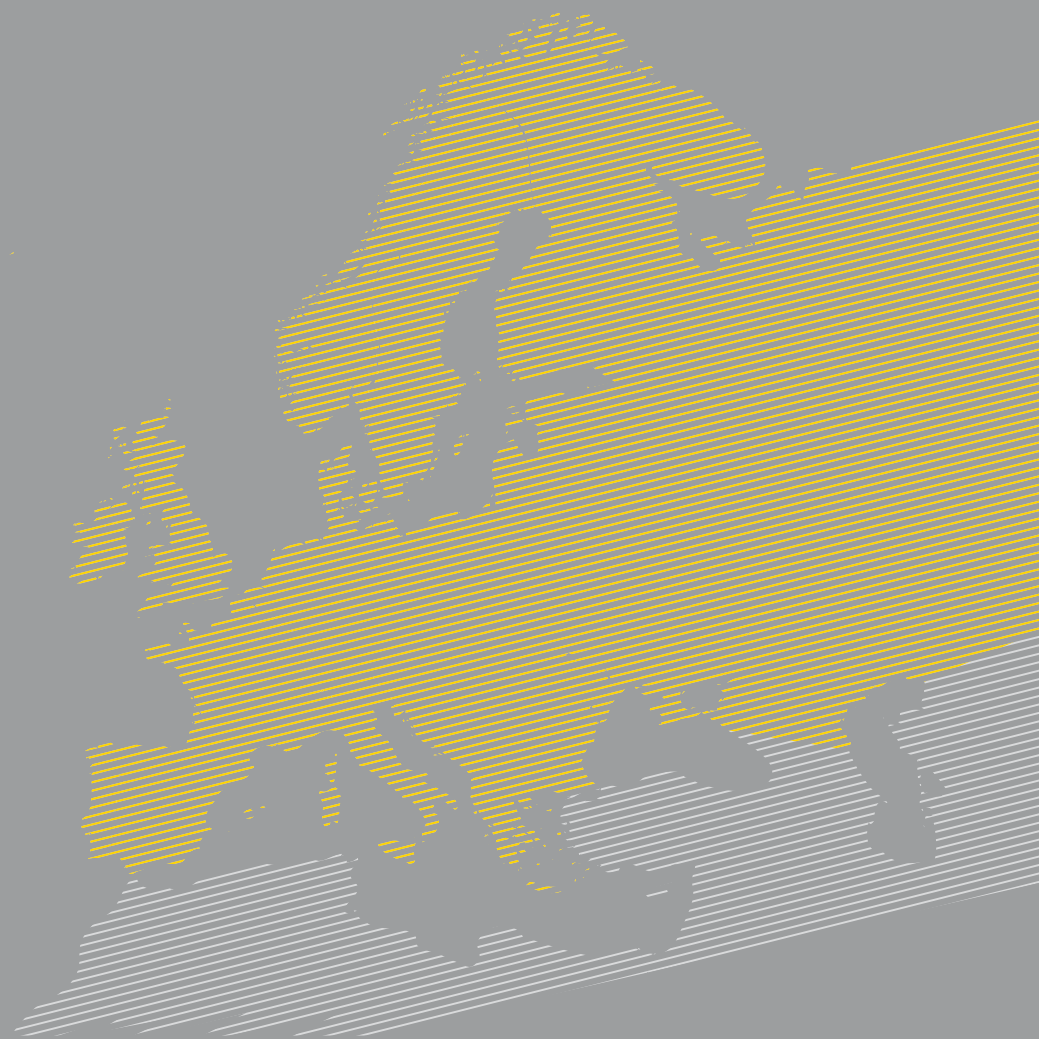




EXPERIENCE, DYNAMISM, SOLUTIONS

LGM ENGINEERING



EUROPEAN **MASTER DISTRIBUTOR**

ABOUT US

LGM Engineering is one of the most **important companies** for the distribution and production of industrial components for process industry and automation

**We are designers,
we are partners,
we are manufacturer**

and each choice we make is driven by passion for our job. We are the company that contributed in first person to the **evolution** and **change** on the market with a complete proposal of flameproof solenoid valves and limit switch boxes, redefining the standard within the sector.

**We are designers, we
are partners, we are
manufacturer and
each choice we make
is driven by passion
for our job.**

Our **mission** is to actively contribute to the improvement of the global productive system by supplying reliable and innovative technical **solutions** with competence and professionalism. We are operative within the sector from more than 40 years, by satisfying our customers with a "Continuous improvement logic". Starting from our customers' needs, we are able to give a concrete answer to customized and specific requests from our customers.

EXPERIENCE, DYNAMISM, SOLUTIONS

From more than 40 years **LGM ENGINEERING** offers **services** of **ideation**, **production** and **supplying** of solenoid valves, limit switch boxes, control monitor, air treatment equipment, positioners, fittings and control panels within the automation and flow control industry

CERTIFICATIONS





Limit Switch Boxes

Positioners

LIMIT SWITCH BOXES AND CONTROL MONITORS

ENCLOSURE MATERIAL Alluminium, AISI 316, Technopolymer	PROTECTION TYPE IP6X, EEXia, EEXd II B, II C, EEXm, EEXn, NEMA 4/4X, 7 & 9
CERTIFICATIONS ATEX, IECEx, FM, CSA, NEMA, CCOE, INMETRO, NEPSI, UL, EAC, KOSHA, JIS, RINA, SIL	SENSORS Electromechanical Switches SPDT, DPDT Proximity: Magnetic or Inductive Sensors
TEMPERATURE RANGE -60°, + 110°	INTERFACE Namur and/or Special Interface
ELECTRICAL CONNECTIONS M20x1.5 M25x1.5 1/2" NPT-F 3/4" NPT-F MiniFast Eurofast	OPTIONS FIELDBUS FOUNDATION, DEVICENET, HART, PROFIBUS, AS-I Integrated Solenoid Valve 3/2 5/2 (Cv from 1,1 a 4) Position Transmitter 4-20mA PST, ESD, FST, SOVT

ROTARY AND LINEAR POSITIONERS

PROTECTION TYPE EEXd & EEXia, IP65, IP66, IP67	CERTIFICATIONS ATEX, IECEx, NEPSI, INMETRO, RINA, SIL, EAC, KOSHA, FM, SIL
COMMUNICATION PROTOCOLS FIELDBUS FOUNDATION, HART, PROFIBUS	TEMPERATURE RANGE -60°, + 100°
ELECTRICAL CONNECTIONS M20x 1,5 1/2" NPT-F 3/4" NPT-F MiniFast	OPTIONS Enclosure in AISI 316, Technopolymer Zytel High Flow Version (Cv 5.5) PST Position Transmitter 4-20mA Electromechanical or Inductive switches Remote position detection
TYPE Electropneumatic, smart	



Valves and Solenoid Valves

COMPATIBLE FLUIDS Air, Water, Gas, Vapor, Oil and compatible fluids with constructive materials	FUNCTIONS 2/2, 3/2, 5/2, 5/3 NC, NO, U, DIVERTING, MIXING Direct Acting or Pilot Operated
TEMPERATURE RANGE -196° + 180°	BODY MATERIAL Alluminium, AISI 304, AISI 316, AISI 316L, Technopolymer, Brass, Superduplex, other exotic materials on request
CONNECTIONS From 1/8" to 3" GAS, NPT Or flanged CNOMO, CETOP, Manifold, Namur, Customized	PROTECTION TYPE EEXia, EEXd, EEXme, EEXm, EEXn COIL TYPOLOGY: With Connector, Enclosure in AISI 316 or Alluminium or with outgoing cable
INTERNAL SEALS NBR, HNBR, FPM, EPDM, PTFE, RULON	ELECTRICAL PROTECTIONS IP65, IP66, IP67, IP68, IP6X, NEMA 4/4X, 7 & 9
ELECTRICAL CONNECTIONS PG 9 M20x1.5 M25x1.5 1/2" NPT-F	CERTIFICATIONS ATEX, IECEx, FM, CSA, UL, RINA, CCOE, CCC, EAC CU-TR, SIL3, INMETRO
POWER CONSUMPTION Low consumption from 0,4 Watt	SPECIAL VERSIONS On Request
PRESSURE RANGE 0 - 500 bar	OPTIONS Manual Reset Manual Override Cryogenic applications Piezo Version compatible with Fieldbus Foundation Systems Latch Version Oxygen Service

Coaxial Valves

COMPATIBLE FLUIDS Aggressive, alimentary, chemical, viscous, medical general fluids and gas	PRESSURE RANGE 0-200 bar With counter pressure adaption
TEMPERATURE RANGE -40° +180°	FUNCTIONS 2/2, 3/2 NC-NO Direct acting or pneumatic pilot operated
CONNECTIONS From 1/8" up to 3" Gas or NPT Manifold Option	MATERIAL Brass, AISI 304, AISI 316 and other exotic materials on request
INTERNAL SEALS EPDM, PTFE, FKM, NBR, Other Seals	ELECTRICAL PROTECTIONS IP65, IP66, IP67
CERTIFICATIONS ATEX	OPTIONS Proportional Version of pressure and flow, Incorporated Limit Switches, Manual override, with brackets
SPECIAL VERSIONS On Request	



Air Treatment Equipment

COMPATIBLE FLUIDS Air or Gas With or without relieving	TEMPERATURE RANGE -60°; +120°
FLOW RATE From 285 l/min (ANR) up to 16.000 l/min (ANR)	FILTERING ELEMENT Bronze, Sintered Bronze, Sintered AISI 316
FILTRATION RATE 5, 25, 40, 50 Micron	BODY MATERIAL Epoxy painted Alluminium AISI 316L NACE, Exotic materials on Request
CONNECTIONS From 1/8" up to 2" GAS o NPT	DRAIN Manual or Automatic
INTERNAL SEALS NBR, EPDM, FKM, PTFE, HNBR	SPECIAL VERSIONS High flow and High Precision
OPTIONS Different set pressure range, bracket, Special executions on request	CERTIFICATIONS ATEX, EAC, SIL, CE
MAX INLET PRESSURE 60 bar	

VOLUME BOOSTER

MATERIAL Alluminium, AISI 316	CONNECTIONS From 1/4" up to 1" GAS or NPT
CERTIFICATIONS ATEX, EAC, SIL, CE	TEMPERATURE RANGE -60° +110°

Fittings and accessories

FITTINGS

TYPE Pipe or Tube fittings
TUBE Metric (From 6mm up to 25mm) Imperial (From 1/8" to 1")

CONNECTIONS From 1/8" up to 2" GAS or NPT

MATERIAL Brass, AISI 316, AISI 316L, AISI 304, Hastelloy, Duplex, Super Duplex and other exotic material on request

FLOW REGULATORS

CONNECTIONS From 1/4" up to 1" GAS or NPT

MATERIAL Alluminium, AISI 316

TYPE Unidirectional, bidirectional
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CERTIFICATIONS ATEX, EAC, SIL, CE

TEMPERATURE RANGE -60° +110°
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QUICK EXHAUST

CONNECTIONS From 1/4" up to 1" GAS or NPT

CERTIFICATIONS ATEX, EAC, SIL, CE

MATERIAL Alluminium, AISI 316, AISI 316L
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TEMPERATURE RANGE -60° +110°
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NEEDLE VALVES/ MANIFOLD/DOUBLE BLOCK AND BLEED

MATERIAL AISI 316, AISI 316L, AISI 304, Hastelloy, Monel, Duplex, Super Duplex And other Exotic Material On Request

CONNECTIONS From 1/8" up to 2" GAS or NPT or Flanged
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TUBE Imperial (From 1/8" up to 1") Metric (From 6mm up to 25mm)
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RELIEF VALVE

MATERIAL AISI 316 or other exotic material on request

CONNECTIONS 1/4", 1/2" NPT

EXHAUST Threaded or not threaded
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LOCK UP VALVES

TYPE Double or single acting, 3/2

MATERIAL Alluminium, AISI 316

CERTIFICATIONS ATEX, EAC, SIL, CE

TEMPERATURE RANGE -60° +110°
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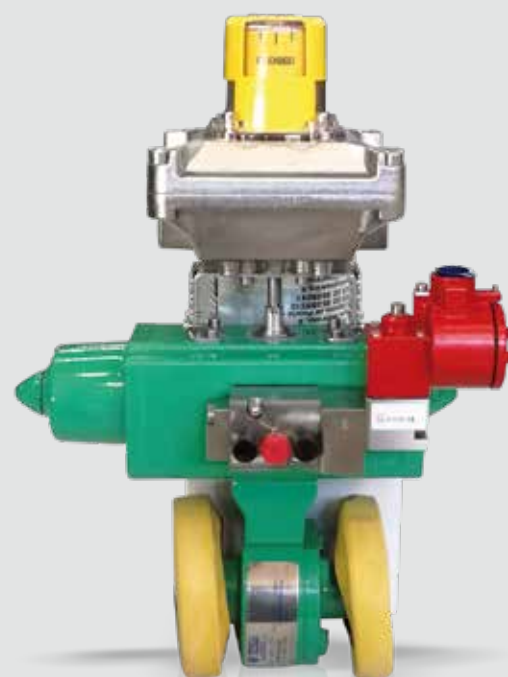
Pneumatic & Hydraulic switches

GAS OVER OIL AND/OR HIPPS VALVES

COMPATIBLE FLUIDS Air, Gas, Oil	PRESSURE RANGE Up to 700 bar Low/High, High/High, High/Low
SET PRESSURE RANGE On request	ACCURACY 0,5% o 1% max set point
FUNCTION 2/2, 3/2 NC, NO	VERSION Standard and differential
CONNECTIONS 1/4", 1/2" GAS o NPT	MATERIAL AISI 316, Alluminium, Exotic Material On request
TEMPERATURE RANGE -60°; +80°	SPECIAL VERSIONS ON REQUEST HIPPS Applications, Line Break Systems with or without flow regulation, with manual reset
CERTIFICATIONS ATEX, SIL	

Special execution for Gas Over Oil & Direct Gas

COMPATIBLE FLUIDS Gas, Air, Water, Oil	PRESSURE RANGE 0 - 300 bar
TEMPERATURE RANGE -60° + 180°	FUNCTION 2/2, 3/2, 5/2 NC, NO Direct acting or Pilot Operated
CONNECTIONS From 1/8" up to 1/2" GAS, NPT or Flanged CNOMO, CETOP, Manifold, customized	MATERIAL Alluminium, AISI 304, AISI 316
ELECTRICAL CONNECTIONS PG 9 M20x1.5 M25x1.5 1/2" NPT-F	PROTECTION TYPE EEXia, EEXd, EEXme, EEXm, EEXn
CERTIFICATIONS ATEX, IECEX, FM, CSA, UL, RINA, CCOE, CCC, EAC CU-TR, SIL3, INMETRO	INTERNAL SEALS NBR, HNBR, FPM, EPDM, PTFE, FLUOROSILICON, VITON
OPTIONS Manual Reset Manual Override Latch Version	SPECIAL VERSIONS On request



Control panels and special assemblies

REALIZATION OF SPECIAL ASSEMBLIES DULY CUSTOMIZED ON YOUR NEEDS

COORDINATION, DELIVERY
AND EFFICIENCY TO ACHIEVE A
UNIQUE TARGET FOR YOU:

LGM ENGINEERING,
EXPERIENCE, DYNAMISM,
SOLUTIONS



OFFICIAL PARTNERS

WESTLOCK
CONTROLS

 **ROTEX**
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Solutions for control valve system

RSG
REGEL- UND STEUERGERÄTE GMBH

ACL[®]



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