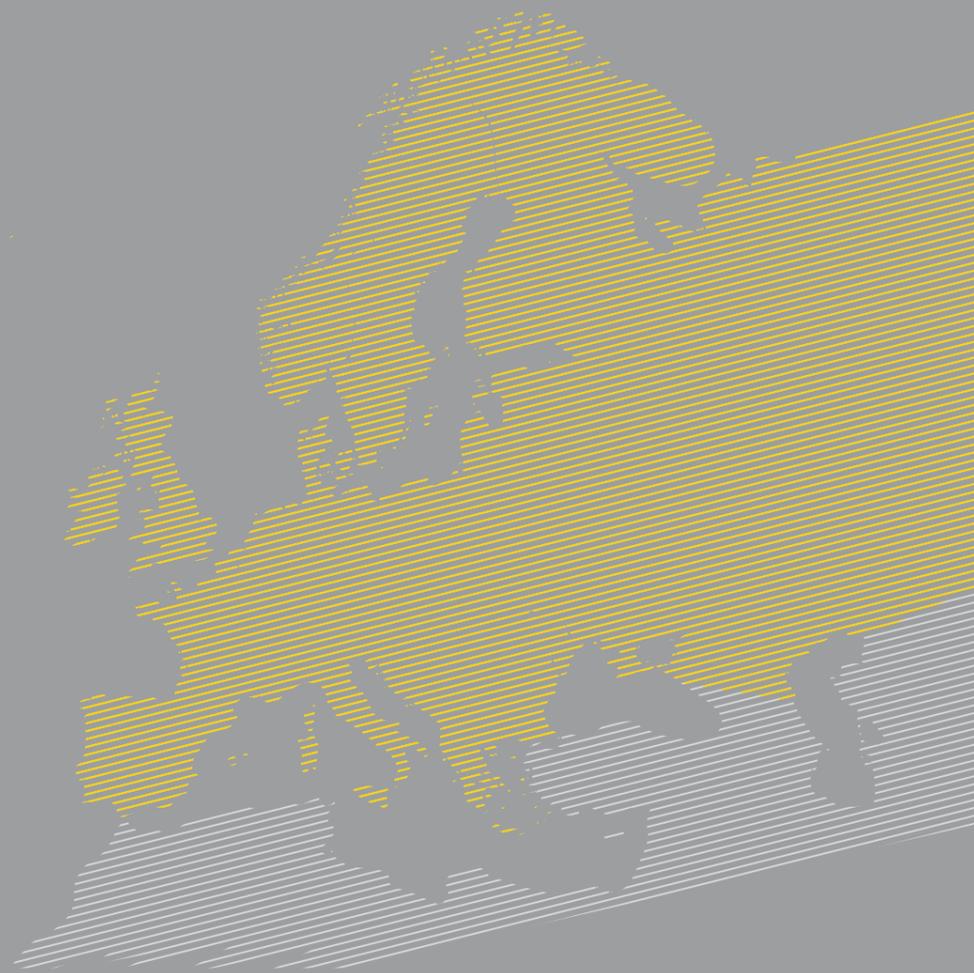




EXPERIENCE, DYNAMISM, SOLUTIONS

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, redefing 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



Valves and Solenoid Valves

Coaxial Valves

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 M20x1.5 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	

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

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

FLOW RATE

From 285 l/min (ANR) up to 16.000 l/min (ANR)

FILTRATION RATE

5, 25, 40, 50 Micron

CONNECTIONS

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

INTERNAL SEALS

NBR, EPDM, FKM, PTFE, HNBR

OPTIONS

Different set pressure range, bracket, Special executions on request

MAX INLET PRESSURE

60 bar

TEMPERATURE RANGE

-60°, +120°

FILTERING ELEMENT

Bronze, Sintered Bronze, Sintered AISI 316

BODY MATERIAL

Epoxy painted Aluminium
AISI 316L NACE,
Exotic materials on Request

DRAIN

Manual or Automatic

SPECIAL VERSIONS

High flow and High Precision

CERTIFICATIONS

ATEX, EAC, SIL, CE

VOLUME BOOSTER

MATERIAL

Alluminium, AISI 316

CERTIFICATIONS

ATEX, EAC, SIL, CE

CONNECTIONS

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

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

CERTIFICATIONS

ATEX, EAC, SIL, CE

TEMPERATURE RANGE

-60° +110°

QUICK EXHAUST

CONNECTIONS

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

CERTIFICATIONS

ATEX, EAC, SIL, CE

MATERIAL

Alluminium, AISI 316, AISI 316L

TEMPERATURE RANGE

-60° +110°

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

TUBE

Imperial (From 1/8" up to 1")
Metric (From 6mm up to 25mm)

RELIEF VALVE

MATERIAL

AISI 316 or other exotic material
on request

CONNECTIONS

1/4", 1/2" NPT

EXHAUST

Threaded or not threaded

LOCK UP VALVES

TYPE

Double or single acting, 3/2

MATERIAL

Alluminium, AISI 316

CERTIFICATIONS

ATEX, EAC, SIL, CE

TEMPERATURE RANGE

-60° +110°

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 or 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

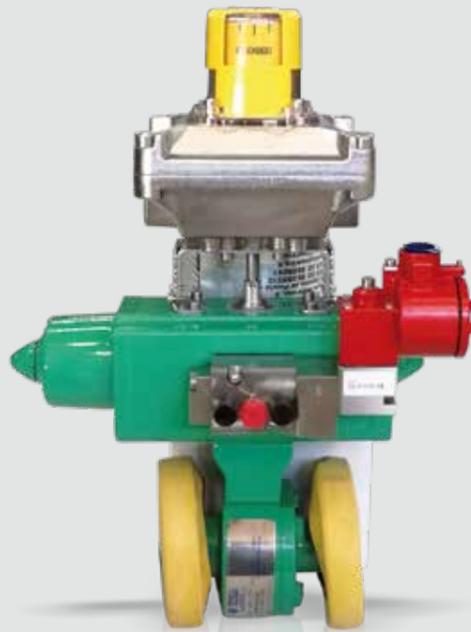
NBR, HNBR, FPM, EPDM, PTFE,
FLUOROSILICON, VITON

OPTIONS

Manual Reset
Manual Override
Latch Version

SPECIAL VERSIONS

On request

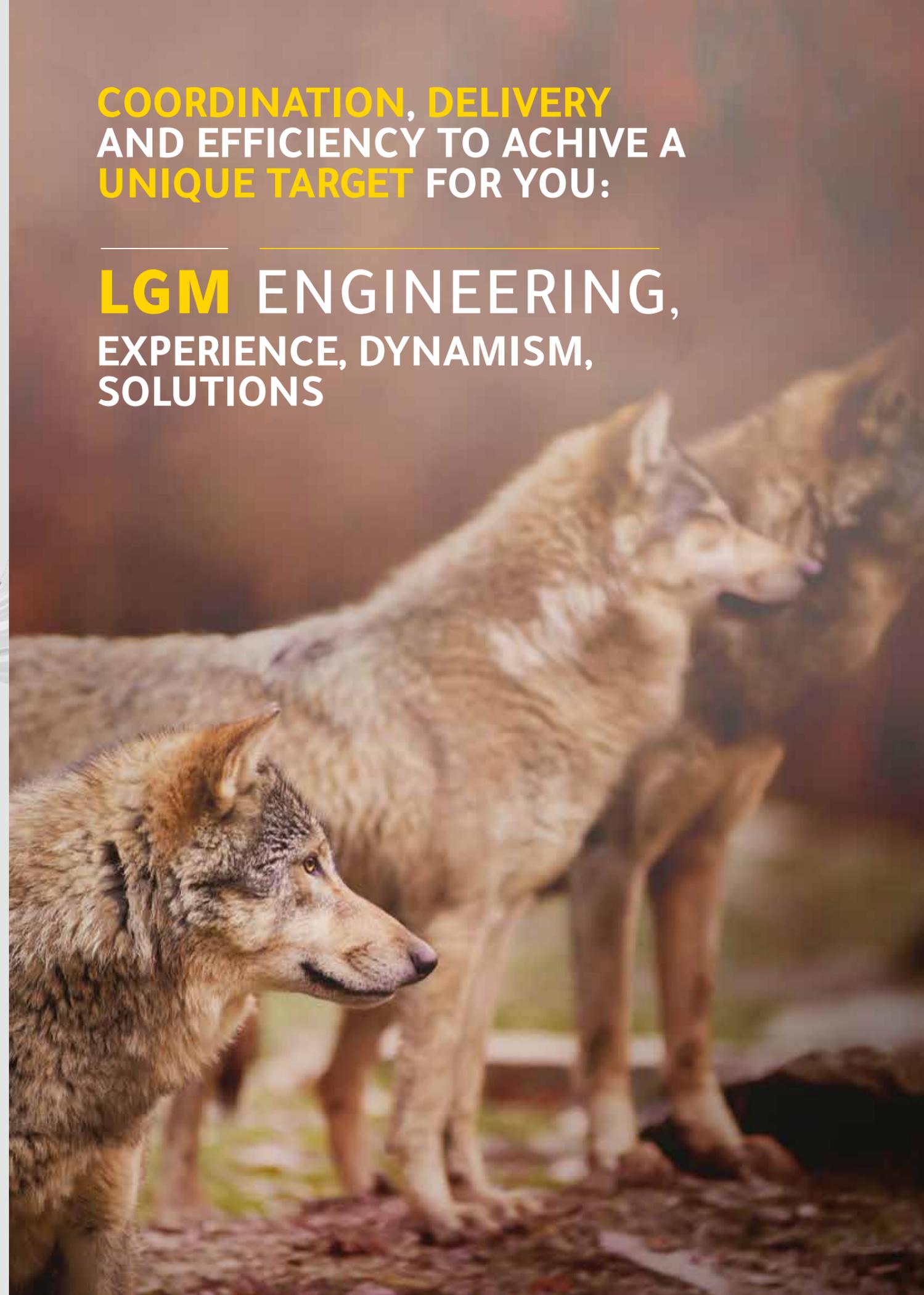


Control panels and special assemblies

REALIZATION OF SPECIAL ASSEMBLIES DULY CUSTOMIZED ON YOUR NEEDS

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AND EFFICIENCY TO ACHIEVE A
UNIQUE TARGET FOR YOU:

LGM ENGINEERING,
EXPERIENCE, DYNAMISM,
SOLUTIONS



OFFICIAL PARTNERS

WESTLOCK
CONTROLS

**ROTEX**
Engineering For The Future

pneumatrol

SHAVO
FIRST NAME IN PNEUMATICS

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ME-T-LOK
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tissin
Solutions for control valve system

RSG
REGEL- UND STEUERGERÄTE GMBH

ACL[®]



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