

*gas waters
heat water waters
built water
industrial waters*



ENOLGAS

Enolgas Bonomi was founded in 1960 as a family business. Initially it manufactured valves for the food, oil and gas industry. The company soon specialized in the production of cocks and valves for plumbing and construction, as well as for the natural gas distribution network.

In 1970 it started production of ball valves for general purpose applications.

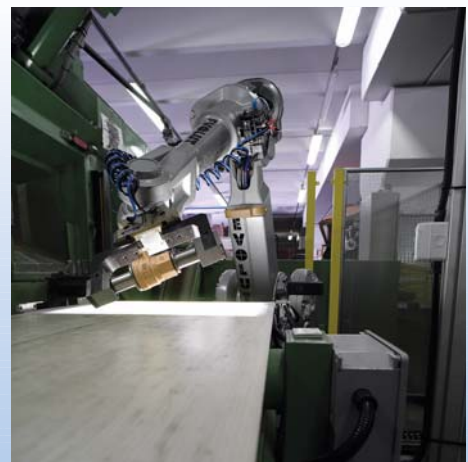
In 1991 Enolgas Bonomi Quality System obtained ISO 9001 certification for design, manufacturing and service. Every step of the full cycle production is controlled by the skilled staff of the company's Quality Assurance department.

Before being packed and delivered, all components and finished products must pass a series of tests to ensure that they are both perfectly manufactured and functional. They are then shipped all over the world and stocked by an international network of distributors, who by means of efficient logistics can make these goods available in every place of the globe.

Enolgas Bonomi S.p.A. offers its customers a comprehensive range of standard products, plus a skillful technology and staff devoted to research and design new products, to be developed in co-operation with customers.

Enolgas Bonomi S.p.A. strives to maintain product excellence and innovation, collaborating with Universities departments by editing its R&D achievements.

Enolgas Bonomi S.p.A. also holds several European and international product certifications and patents, incorporated into its advanced technologies and products.

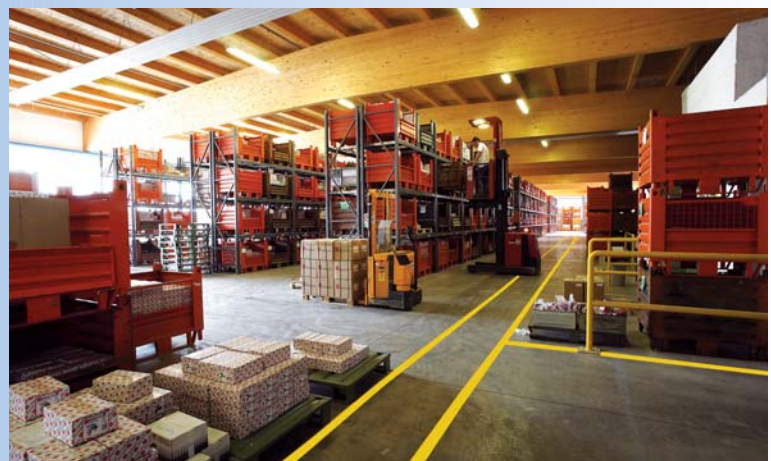




Thanks to its long and continuously renovated experience in the field, today Enolgas Bonomi S.p.A. markets products which are a landmark on international marketplaces.

These products include a wide range of gas safety devices, as well as manually, pneumatically and electrically operated valves in brass, carbon steel and stainless steel, for plumbing installations, HVAC applications and several industrial automations to be used with gas, water, air, oils and hydrocarbons.

The constant dedication to the improvement of the products and the cooperative relationship with customers and suppliers are the steady foundation towards future positive developments of Enolgas Bonomi S.p.A. to meet the challenges of the globalization.



THE COMPANY QUALITY SYSTEM

ENOLGAS BONOMI S.p.A. has always been considering Quality a strategic factor and has been one of the first Italian firms in its field to implement a Quality Assurance System, in accordance with the ISO 9000.

Consequently, as early as in 1991 ENOLGAS BONOMI S.p.A. obtained the approval of its Quality Assurance System, as per the certificates issued respectively by ICIM-CISQ, as the Italian Certification Institute and IQNET, as the International Certification Network.



IQNet and its partner
CISQ/ICIM
hereby certify that the organization
ENOLGAS BONOMI S.p.A.
Via Europa, 227
I-25062 Concesio (BS)
for the following field of activities
Design, development and production of ball valves and ball bib cocks, check valves (simple or combined with ball valves), brass fitting for connection to PEHD pipes, tapered plug valves and safety systems for gas applications. Trade of steel ball valves.
has implemented and maintains a
Quality Management System
which fulfills the requirements of the following standard
ISO 9001:2000
Issued on: 2004-09-19
Validity date: 2007-09-18
Registration Number: IT-4340

IQNet partners*:
AENOR Spain AFAQ France AIB-Vinçotte International Belgium ANCE Mexico APCER Portugal CISQ Italy CQC China
CQM China CQS Czech Republic DQS Germany DS Denmark ELOT Greece FCAV Brazil FONDONORMA Venezuela
HRQAA Hong Kong ICONTEC Colombia IMC Mexico IRAM Argentina JQA Japan KEMA Netherlands KQ Korea MSZT
Hungary Nemko Certification Norway NSAI Ireland OQS Austria PCBC Poland PSB Certification Singapore QMI Canada RR Russia
SAI Global Australia SFS Finland SHI Israel SIQ Slovenia SQS Switzerland SRAC Romania TEST St Petersburg Russia
IQNet is represented in the USA by the following partners: AFAQ, AIB-Vinçotte International, CISQ, DQS, KEMA, NSAI, QMI and SAI Global
*The list of IQNet partners is valid at the time of issue of this certificate. Updated information is available under www.iqnet-certification.com



CERTIFICATO n. 0015/4
CERTIFICATE No.

SI CERTIFICA CHE IL SISTEMA DI GESTIONE PER LA QUALITÀ DI
WE HEREBY CERTIFY THAT THE QUALITY MANAGEMENT SYSTEM OPERATED BY

ENOLGAS BONOMI S.p.A.

UNITÀ OPERATIVE
OPERATIVE UNITS
Via Europa, 227 - 25062 Concesio (BS)
Italia

E' CONFORME ALLA NORMA
IS IN COMPLIANCE WITH THE STANDARD
UNI EN ISO 9001:2000

PER LE SEGUENTI ATTIVITÀ:
FOR THE FOLLOWING ACTIVITIES
EA: 18
Progettazione, sviluppo e fabbricazione di valvole e rubinetti a sfera, valvole di ritegno (semplici e combinate con valvole a sfera), raccordi di ottone per tubi in polietilene, valvole a maschio conico e dispositivi per sicurezza per gas. Commercializzazione di valvole a sfera in acciaio.
Design, development and production of ball valves and ball bib cocks, check valves (simple or combined with ball valves), brass fitting for connection to PEHD pipes, tapered plug valves and safety systems for gas applications. Trade of steel ball valves.

Referenza al Manuale della Qualità per l'applicabilità dei requisiti della Norma ISO 9001:2000.
Refer to Quality Manual for details of application to ISO 9001:2000 requirements.
Il presente certificato è soggetto al rispetto del regolamento per la certificazione dei sistemi di gestione per la qualità delle aziende.
The use and the validity of this certificate shall satisfy the requirements of the rules for the certification of company quality management systems.

Data emissione First issue 11/03/1991	Emissione corrente Current issue 19/09/2004	Data di scadenza Expiring date 18/09/2007
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ICIM S.p.A. - PIAZZA A. DIAZ, 2 - 20123 MILANO

ENOLGAS BONOMI S.p.A., aware of the fact that Quality has no time and space limits, is steadily committed with the constant improvement of the products, the service and the collaboration with suppliers and customers.

The primary goal of ENOLGAS BONOMI S.p.A. is the user safety and the customer satisfaction, in line with the Quality VISION 2000.

To keep and improve this goal, ENOLGAS BONOMI S.p.A. dedicates persistent care in selecting and training the staff and its professional qualification, being convinced that human resources come first.

THE INTERNATIONAL CERTIFICATIONS

 AUSTRALIA	 <small>APPROVED DESIGN</small> <small>This appliance complies with the requirements of THE AUSTRALIAN GAS ASSOCIATION</small>	 AUSTRALIA		 BELGIUM	
 CANADA		 CZECH REPUBLIC		 GERMANY	
 GREAT BRITAIN		 GREAT BRITAIN		 ITALY	
 ITALY		 NORWAY		 NEW ZEALAND	
 NEW ZEALAND		 POLAND		 RUSSIA	
 SINGAPORE		 SLOVENKA REPUBLIC		 UNITED STATES	
 UNITED STATES		 UNITED STATES		 SWITZERLAND	

Gas Valves

Omega

HEAVY LINE - full bore

Size range: from 1/4" to 4".

Approved to EN 331.

Double seal anti-blow-out stem (elastomer o-rings).

Threads: to ISO 7/1 and NPT.

Other threads available on request.

Working pressure:

For gas max PN 5 = 5 MOP.

For other uses with fluids: from PN 64 (size 1/4") to PN 16 (size 4").

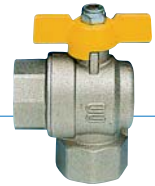
For L.P.G. PN 5-20 = 5-20 MOP.



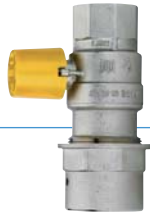
S0257 - OMEGA



S0271 - OMEGA



S0286 - OMEGA



S0259 - OMEGA



S0265 - OMEGA GAS BRACKET



S0269 - OMEGA

TopGas

STANDARD LINE - full bore

Size range: from 1/2" to 2".

Approved to EN 331.

Double seal anti-blow-out stem (elastomer o-rings).

Threads: to ISO 7/1 and NPT.

Other threads available on request.

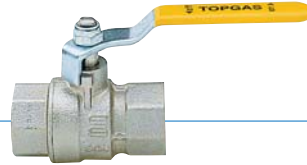
Working pressure:

For gas max PN 5 = 5 MOP

For other uses with fluids: from PN 40 (size 1/2") to PN 16 (size 2").



S1228 - TOP•GAS



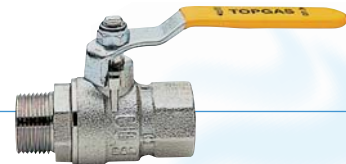
S1221 - TOP•GAS



S1230 - TOP•GAS



S1224 - TOP•GAS



S1225 - TOP•GAS

BonGas - InGas

BON•GAS

Standard line: Suitable for domestic appliance connections (hoses, kitchens, heating).

Size: from 1/4" to 2".

Approved to EN 331

Double seal anti-blow-out stem (elastomer o-rings).

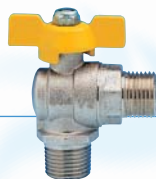
Threads: ISO 7/1 and NPT.

BON•FLEX Ball valve with flexible hose in stainless steel to standard UNI CIG 9891, suitable for gas kitchen connections.

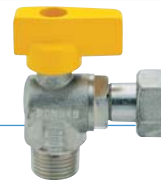
Size: hose from 0,5 m up to 2 m

IN•GAS Built in ball valve for gas ready for inspection with basket, as per standard UNI CIG 7129.

Size: from 1/2" to 1" and from 12 to 22 mm.



G0363 - BON•GAS



G0326 - BON•GAS



G0327 - BON•GAS



G0374 - BON•FLEX



G0400 - INGAS



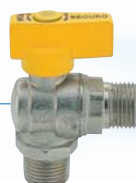
G0404 - INGAS 3

Safety devices

SECURO - Safety devices cock for gas as per standard UNI CIG 7129 and EN 331, to be opened by pressing and by rotating lever of 90°.

BON•TAS - Thermic security device that automatically stops the flow of gas in case of fire. It is started when temperature reaches 100°C.

OMEGA•HTB - Gas ball valve resistant to high temperature as per standard EN 1775 and DIN 3537/1.



G0432 - SECURO

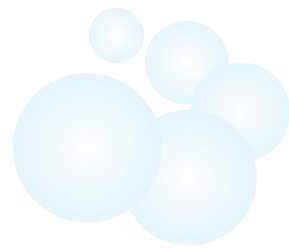


G0265 - BON•TAS



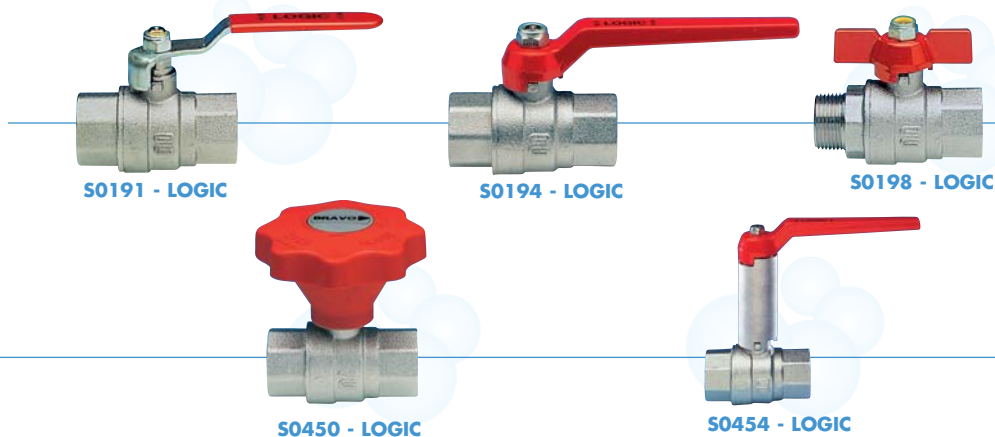
S1101 - OMEGA HTB

Ball Valves



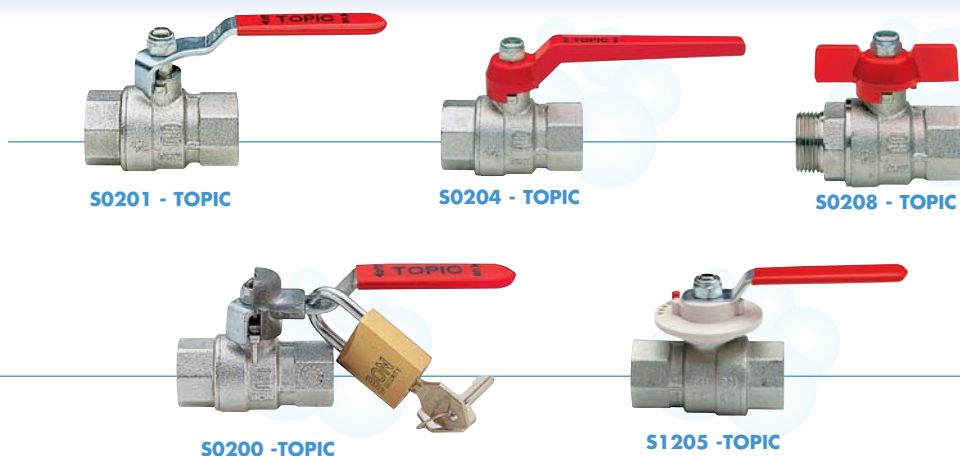
Logic

HEAVY LINE - full bore
Size range: from 1/4" to 4".
Double seal anti-blow-out stem.
Threads: to ISO 7/1 and NPT.
Working pressure: from PN 64 (size 1/4") to PN 16 (size 4").
Temperature: -20° C +150° C.
Uses: Heavy duty, hot and cold water, compressed air, oils, non-corrosive fluids and hydrocarbons in general.



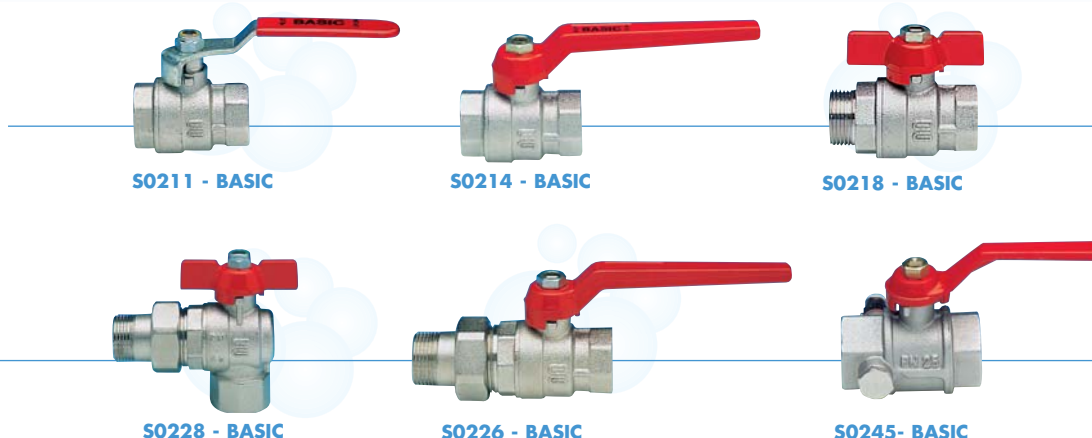
Topic

STANDARD LINE - full bore
Size range: from 1/4" to 4".
Double seal anti-blow-out stem.
Threads: to ISO 7/1 and NPT.
Working pressure: from PN 64 (size 1/4") to PN 16 (size 4").
Temperature: -20° C +130° C.
Uses: Hot and cold water, compressed air, oils, non-corrosive fluids and hydrocarbons in general.



Basic

STANDARD LINE - full bore
Size range: from 1/4" to 4".
Double seal anti-blow-out stem.
Threads: to UNI ISO 228/1 and NPT.
Working pressure: from PN 64 (size 1/4") to PN 10 (size 4").
Temperature: -20° C +150° C.
Uses: Hot and cold water, compressed air, oils, non-corrosive fluids and hydrocarbons in general.



Atomic

LIGHT LINE - nominal bore
Size range: from 1/2" to 2".
Double seal anti-blow-out stem (elastomer rings).
Threads: to ISO 228/1 and NPT.
Working pressure: from PN 40 (1/2") to PN 25 (2").
Temperature: -10° C +150° C.
Uses: water, compressed air, oils, non-corrosive fluids.



Water Valves

Eko - Bibo - Idra

EKO - BIBO

Accurate design and reliable performance. Heavy and solid state for life-time use.

Size: From 3/8" to 1"

Uses: Hot and cold water, compressed air, oils, non-corrosive fluids.

Threads: to ISO 228/1

Working pressure: PN 16

Temperature: -20°C +90°C

EKO•COLOR

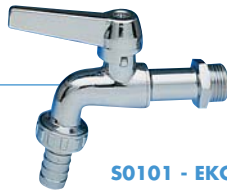
Ball cock for every use, available in different color.

EKO•LOGIC

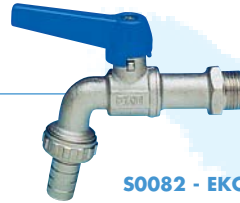
Ball cock "green tap" version, lead washed. Available in different colors.

IDRA

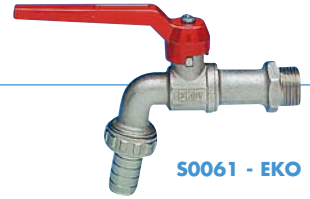
Ball valve for hydrant, with T-Handle for use with water.



S0101 - EKO•LUX



S0082 - EKO



S0061 - EKO



S0111 - EKO•COLOR



S0110 - EKO•LOGIC



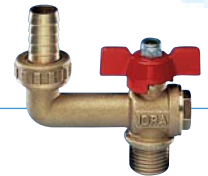
S0111 - EKO•COLOR



H0004 - ANTI-FREEZE



S0031 - BIBO•LUX



S0130 - IDRA

Check Valves

VALSTOP - EUROSTOP

Solid body, high flow capacity, noiseless functioning.

Size: from 1/4" to 4"

Threads: ISO 228/1

Working pressure: from PN 40 (1/4") to PN 16 (4")

ROBEX•VT

Combination of ball valve and check valve with high flow capacity and reduced overall dimensions

Size: from 1/2" to 2"



H0141 - VALSTOP



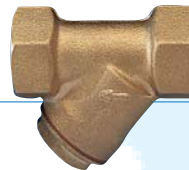
H0161 - EUROSTOP



H0202 - SWING CHECK



S0400 - ROBEX•VT



H0400 - BRASS•Y•STRAINER



H0041 - FOOTY

Axo•Pe• - Axo•Pe•Metal

Polyethylene hose fittings.

Simple and swift assembly and disassembly, by screwing and unscrewing nut.

Perfect seal performed by rubber ring or gasket angle-shaped in elastomer. Accurate and solid design for high and reliable performance.

Threads: ISO 228/1

Working pressure: PN 16

Size: from 1/2"x20 mm to 4"x110 mm.

AXO•PE

With pressure cone in the copolymer and elastomer gasket angle shaped.

AXO•PE•METAL

With brass pipe grip cone and thrust ring.



H0300 - AXO•PE



H0302 - AXO•PE



H0304 - AXO•PE



H0338 - AXO•PE•METAL

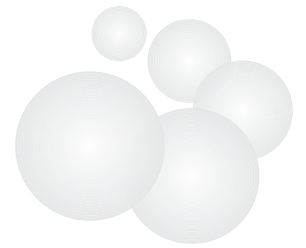


H0346 - AXO•PE•METAL



H0333 - AXO•PE•METAL

Industrial Valves



Tenax - Onyx - Coral

Full bore ball valve in carbon and austenitic steel. Blow out-proof stem, triple sealing with PTFE/Elastomer O-Ring and spring washer.

Size Range: from 1/4" to 2"

Working pressure: From PN 100 (size 1/4") to PN 40 (size 4")

Temperature: -20°C, +180°C

Uses: Air, water, gas, and hydrocarbons in general.



A0420 - SAPHIR



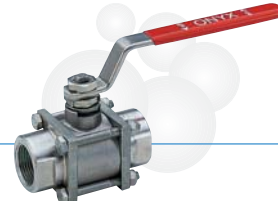
A0410 - TENAX



A0416 - TENAX-WP



A1017 - CORAL



A0430 - ONYX-TE

Jade - Diamond - Topaz

Full bore ball valve in carbon steel and austenitic steel, triple sealing with PTFE/Elastomer O-Ring and spring washer.

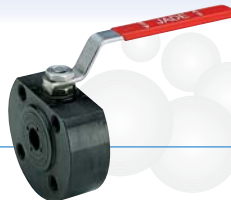
Fire safe to BS 6755, API 6FA, API 607.

Size Range: from DN 15 to DN 200

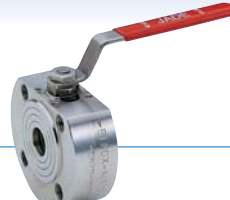
Working pressure: PN6, PN10, PN16, PN25, PN40, PN64.

Temperature: -20°C + 180°C.

Uses: Air, water, gas, oil derivatives and hydrocarbons in general.



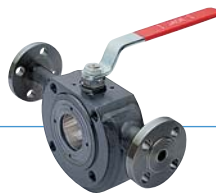
A0450 - JADE-CS



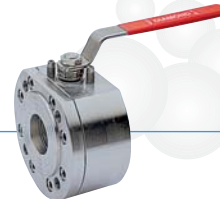
A0455 - JADE-SS



A0470 - JADE-SS



A0474 - JADE-CS



A0485 - DIAMOND-SS



A1007 - TOPAZ-CS

Swift•O•Matic ISO TOP

SWIFT•O•MATIC ISO TOP

Full bore ball valve with ISO 5211 flange, with or without electrical or pneumatic actuator.

Size range: From 1/2" To 3".

Working pressure: from PN40 (1/2") to PN16 (3")

BALL•O•MATIC - HEAVY LINE

Full bore ball valve with ISO 5211 flange for actuator.

Available size: from 1/4" to 3"

Threads: ISO 7/1

Working pressure: from PN40 (1/4") to PN16 (3")

Uses: water, air, non corrosive fluid



S2231 - SWIFT•O•MATIC



S2301 - SWIFT•O•MATIC



S2401 - SWIFT•O•MATIC



S1031 - SWIFT•O•MATIC



S1021 - BALL•O•MATIC

Pneumatic actuators

Pneumatic actuators with connection to ISO 5211 flange and Namur.

Available with or without micro, double or single effect.

Materials: Aluminium or technopolymer (with metal components)

Min. operating pressure: 3 bar

Max operating pressure: 8 bar

Temperature: -20°C +80°C

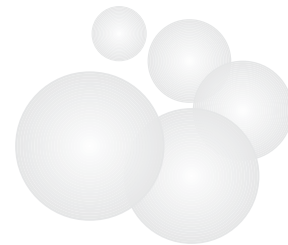


S2951P - PNEUMATIC ACTUATOR
(in technopolymer)



S2951X - PNEUMATIC ACTUATOR
(in aluminium)

Zone Valves



Swift•O•Matic QM

Quick mounting Swift-O-Matic ball valve, full bore. The operating torque is particularly low, thanks to the patented system used in this series.
 Size range: from 1/2" to 1"1/4
 Threads: ISO 228/1, NPT
 Uses: water, air, hydrocarbons, non-aggressive fluid



S1041 - SWIFT•O•MATIC® QM



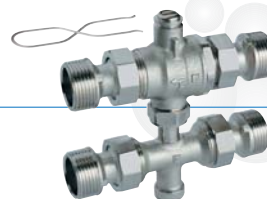
S1044 - SWIFT•O•MATIC® QM



S1045 - SWIFT•O•MATIC® QM



S1050 - SWIFT•O•MATIC® QM



S1055 - SWIFT•O•MATIC® QM

Swift•O•Matic QM with actuator

Quick mounting Swift-O-Matic ball valve, full bore, connected to an electric actuator.
 Its operating torque is considerably low, thanks to the patented system used in Swift-O-Matic series.
 Size range: valves with electric actuator from 1/2" to 1"1/4
 Threads: ISO 228/1, NPT
 Actuators are available for 24V or 230V voltage, in different versions.
 Uses: water, air, non aggressive fluids.



S2261 - SWIFT•O•MATIC® QM



S2264 - SWIFT•O•MATIC® QM



S2265 - SWIFT•O•MATIC® QM



S2241 - SWIFT•O•MATIC® QM



S2251 - SWIFT•O•MATIC® QM

QM and ISO TOP actuators

HEAVY DUTY (IP55) or **LITE** IP44 electric actuators with connection to ISO 5211 flange for Swift-O-Matic ISO TOP valves.

Quick Mounting **LITE** (IP44) Electric actuators for Swift-O-Matic ball valves.
 Voltage: 24V, 110V, 230V AC and 24V DC.

Opening: 45 sec (**LITE** series),
 35 sec (**HEAVY DUTY** series)

Proportional actuator regulation:
 4-20 mA and 0-10 V.

Available actuators: with 2 or 3 wires
 and 1 or 2 micro.



S2881 - ACTUATOR ISO TOP
HEAVY DUTY SERIE



S2901 - ACTUATOR ISO TOP
HEAVY DUTY SERIE



S2811 - ACTUATOR QM
LITE SERIE

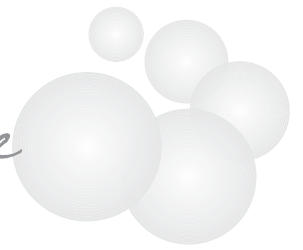


S2841 - ACTUATOR ISO TOP
HEAVY DUTY SERIE



S2851 - ACTUATOR ISO TOP
HEAVY DUTY SERIE

Metering Ball Valve



Bon•O•Meter

BON•O•METER is a metering ball valve. The solution developed integrates the metering device inside the ball in such a manner that: The orifice and the ball form one piece only.

The delta pressure measurement points (upstream and downstream the orifice) are machined on the valve outlets so that they can be rotated by means of disconnecting the bolts (body/outlets) in accordance with the media characteristics (upper for gases and down for liquids).

The engineering of the BON•O•METER has been designed to achieve the metering results (in the most simple way) inside the ball valve, without any change in the valve itself. So, it is possible to maintain the cost and the features of the application quite similar to a normal ball valve. That's the aim of the BON•O•METER.

The ball is easily removable.

The ball valve used for the BON•O•METER is TOPAZ design

THE BON•O•METER CONCEPT

The concept of the measurement comes from the Bernoulli theorem/principle, commonly used for the Dp metering flange engineering. ISO 5167 is the international standard that technically specifies the application. In a few words a calibrated orifice assembled in a pipe reduces locally the pressure of the fluid in such a manner that the local delta pressure imposed by the orifice, opportunely measured by means of Dp devices, is related to the capacity of the fluid flow that passes throughout the orifice itself. The orifice is integrated in the ball, so that the ball and the orifice are one piece only.

THE BON•O•METER ADVANTAGES

The BON•O•METER may be installed as a normal on-off ball valve. In case it is required the BON•O•METER gives the chance to collect the relevant process data (capacity flow, density, temperature, static pressure...) by means of a secondary transmitter that can be connected with the automatic connections of the valve.

The BON•O•METER gives the chance to perform the process measurement on the valve, avoiding the use of other primary metering devices, such as Dp flange, nozzle, Venturi nozzles.

The advantages are:

To save money for the reduction of the number of components in comparison to a standard application (Dp flange, pipe length, thermometer well).

To reduce the costs of installation.

To reduce the overall dimensions of the application in comparison with a standard application (valve, pipe, thermometer well).

To save money and time by means of the easy interchangeability of the ball/orifice.

TECHNICAL FEATURES

Solid state, full bore.

The machining of the body takes place on CNC high precision machines, so as to guarantee the compliance with the design specifications.

Possibility of stops at 90° by operation without lever.

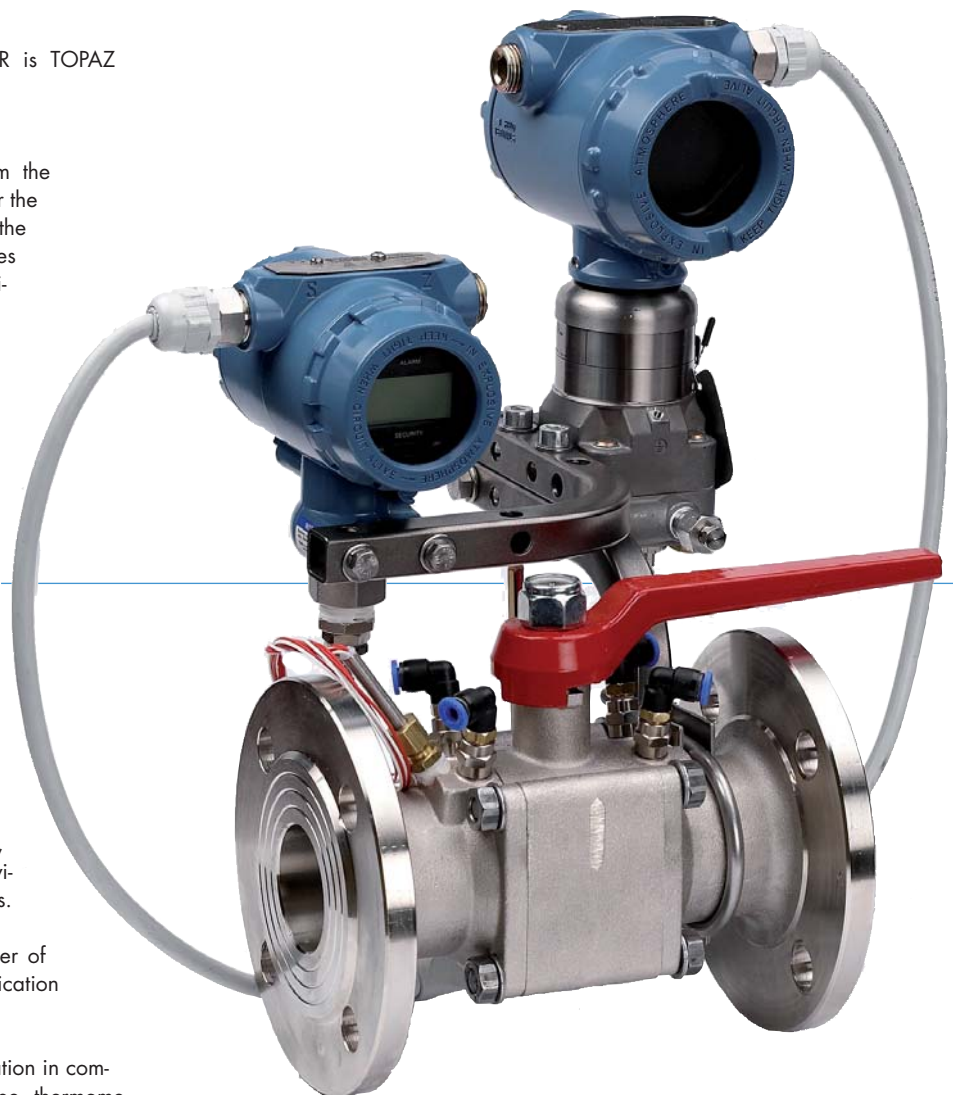
Blow-out proof stem with labyrinth sealing system adjustable by Belleville washers.

Equipped with wrapping seats ensuring long life cycles.

Perfect air bubble-free sealing.

Maintenance free.

All valves are tested at 25 bar pressure, for a period exceeding 48 hours.





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tel. 030.2184.311 • 030.2184.333

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