



**PERFORMANCE THAT
WON'T WASH AWAY.**

OMAL WORKS FOR YOU.

WWW.OMAL.COM

Specialists in
valves and **actuators**
since 1981.



WASHING MACHINES SERIES



**MAGNUM WAFER
STAINLESS STEEL &
CARBON STEEL**



**MAGNUM SPLIT
WAFER STAINLESS
STEEL & CARBON
STEEL**



ITEM 424



ITEM 115



ITEM 153



ARES



ATENA



**AGO PNEUMATIC
ACTUATORS**



**AGO CF8M
PNEUMATIC
ACTUATORS**



ENGINEERED FOR WASHING SYSTEMS

Reliable performance in aggressive cleaning environments

Industrial washing machines operate with aggressive detergents, solvents, hot water, steam and demanding duty cycles. OMAL valves and actuators are designed to ensure reliable operation, long service life and reduced maintenance requirements even in the most challenging applications.



Resistance to aggressive media

Compatible solutions for detergents, solvents, acids, alkalis, steam and special process fluids.



Long service life

Designed to withstand frequent cycling and demanding operating conditions.



Reduced maintenance costs

Reliable operation means fewer shutdowns and lower maintenance requirements.



Complete automation solutions

OMAL offers a complete solution: valve + actuator.



HANDLED FLUIDS



HYDROCARBONS / NON-POLAR SOLVENTS

Magnum

Atena



POLAR SOLVENTS / ALCOHOLS

Magnum

Atena



CHLORINATED / HALOGENATED SOLVENTS

Magnum

Atena



AQUEOUS DETERGENTS

Magnum

Atena

Ares



INDUSTRIAL ACIDS

Magnum

Atena



INDUSTRIAL ALKALIS

Magnum

Atena



WATER & STEAM

Magnum

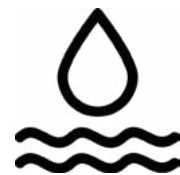
Atena

Ares



INDUSTRIAL GASES

Magnum



SPECIAL FLUIDS - PHARMA / FOOD / SEMICONDUCTORS

Magnum

Atena

Utilities (water, air)

Item 424

Item 115

Item 153



TECHNICAL DETAILS

MAGNUM

WAFER BALL VALVES



SPECIFICATIONS

 Size:	• DN 15 ÷ DN 100 [mm] • 1/2" ÷ 4" [inch]
 Body material:	• A105 Carbon steel • 316 Stainless steel
 Available seats:	• PTFE Modified • PTFE Glass filled • PTFE Carbon filled • PEEK
 End connections:	• Flanged RF
 Pressure class:	• ANSI 150-300; PN 16-40
 Options:	• Mono-directional ball • Locking device • Stem Extension • Bottom tank • Oxygen use (on request) • Hydrogen use (on request)
 Certifications:	• Ex CE/UKCA • Pressure Equipment CE/UKCA • SIL (up to SIL3) • TA Luft & Fugitive Emission • Fire Safe

MAGNUM

SPLIT WAFER BALL VALVES



SPECIFICATIONS

 Size:	• DN 15 ÷ DN 200 [mm] • 1/2" ÷ 8" [inch]
 Body material:	• A105 Carbon steel • 316 Stainless steel
 Available seats:	• PTFE Modified • PTFE Glass filled • PTFE Carbon filled • Devlon • PEEK
 End connections:	• Flanged RF
 Pressure class:	• ANSI 150-300; PN 16-40 • ANSI 600; PN 63-100 (DN≤100)
 Options:	• 3-Ways (DN≤100) • Mono-directional ball • Locking device • Stem Extension • Bottom tank • Oxygen use (on request) • Hydrogen use (on request)
 Certifications:	• Ex CE/UKCA • Pressure Equipment CE/UKCA • SIL (up to SIL3) • TA Luft & Fugitive Emission • Fire Safe

ITEM 424

3 PIECES STAINLESS STEEL BALL VALVES



SPECIFICATIONS

 Size:	• DN 8 ÷ DN 100 [mm] • 1/4" ÷ 4" [inch]
 Body material:	• CF8M / 1.4408 Stainless steel
 Available seats:	• PTFE Modified • PTFE Glass filled • PTFE Carbon filled
 End connections:	• ISO 7/1 • NPT (ANSI B1.20.1)
 Max pressure:	• PN 63 • 913 PSI
 Options:	• BW / SW connection • Oxygen use (on request)
 Certifications:	• Ex CE/UKCA • Pressure Equipment CE/UKCA



ITEM 115

BRASS BALL VALVES



SPECIFICATIONS

- Size:**
 - DN 15 ÷ DN 50 [mm]
 - 1/2" ÷ 2" [inch]
- Body material:**
 - Brass EN 12165 CW617N
- Available seats:**
 - PTFE
- End connections:**
 - Flanged RF
- Pressure class:**
 - ANSI 150; PN 16
- Options:**
 - Mono-directional ball
 - Oxygen use (on request)

ITEM 153

BRASS BALL VALVES



SPECIFICATIONS

- Size:**
 - DN 10 ÷ DN 50 [mm]
 - 3/8" ÷ 2" [inch]
- Body material:**
 - Brass EN 12165 CW617N
- Available seats:**
 - PTFE
- End connections:**
 - ISO 7/1
 - NPT (ANSI B1.20.1)
- Pressure class:**
 - ANSI 150; PN 16
- Options:**
 - Oxygen use (on request)
- Certifications:**
 - Ex CE/UKCA
 - Pressure Equipment CE/UKCA

ARES

PNEUMATIC ANGLE SEAT VALVES



SPECIFICATIONS

- Size:**
 - DN 15 ÷ DN 50 [mm]
 - 3/8" ÷ 2" [inch]
- Body material:**
 - Stainless steel
- Available seats:**
 - PTFE Modified
 - FKM
 - NBR
 - EPDM
- End connections:**
 - NPT (ANSI B1.20.1)
 - ISO 7/1
 - ISO 228-1
 - Flanged (PN 16 - ANSI 150)
 - Weld ends
 - Clamp
- Max pressure:**
 - PN 16 - PN 25
 - 230 - 360 PSI
- Variations:**
 - Double acting
 - Spring return N.C. - N.O.
 - Manual operated
- Options:**
 - Oxygen use (on request)
 - Namur plate
 - Limit switch box
- Certifications:**
 - Ex CE/UKCA
 - Pressure Equipment CE/UKCA



ATENA

PNEUMATIC ANGLE SEAT VALVES



SPECIFICATIONS

- ✓ **Size:**
 - DN 15 ÷ DN 20 [mm]
 - 3/8" ÷ 3/4" [inch]
- 🔧 **Body material:**
 - Stainless steel
- 🔧 **Available seats:**
 - PTFE
- 🔧 **End connections:**
 - ISO 7/1
 - NPT on request
- 🕒 **Max pressure:**
 - PN 16 - PN 25
 - 230 - 360 PSI
- 🔧 **Variations:**
 - Double acting
 - Spring return N.C. - N.O.
- ⚙️ **Options:**
 - Oxygen use (on request)
 - Limit switch box
- 🏆 **Certifications:**
 - Ex CE/UKCA
 - Pressure Equipment CE/UKCA

AGC

ALUMINIUM PNEUMATIC ACTUATORS



SPECIFICATIONS

- ✓ **Type:**
 - Scotch yoke
- 🔄 **Nominal torque:**
 - DA (Double acting):
8 Nm ÷ 8000 Nm
70 in-lbs ÷ 70806 in-lbs
 - SR (Spring return):
15 Nm ÷ 4000 Nm
133 in-lbs ÷ 35403 in-lbs
- ↗️ **Size:**
 - DA 8 ÷ DA 8000
 - SR 15 ÷ SR 4000
- 🔧 **Body material:**
 - Aluminium
- 🔧 **Variations:**
 - Double acting
 - Spring return N.C. - N.O.
- ⚙️ **Options:**
 - Low temp. version:
-50°C / -58°F
 - High temp. version:
+150°C / +302°F
 - Adjustable rotation
 - Surface treatments
- 🏆 **Certifications:**
 - Ex CE/UKCA
 - SIL (up to SIL3)

AGO CF8M

CASTING STAINLESS STEEL PNEUMATIC ACTUATORS



SPECIFICATIONS

- ✓ **Type:**
 - Scotch yoke
- 🔄 **Nominal torque:**
 - DA (Double acting):
15 Nm ÷ 480 Nm
133 in-lbs ÷ 4248 in-lbs
 - SR (Spring return):
15 Nm ÷ 240 Nm
133 in-lbs ÷ 2124 in-lbs
- ↗️ **Size:**
 - DA 15 ÷ DA 480
 - SR 15 ÷ SR 240
- 🔧 **Body material:**
 - Stainless steel CF8M
- 🔧 **Variations:**
 - Double acting
 - Spring return N.C. - N.O.
- ⚙️ **Options:**
 - Adjustable rotation
 - Food & Pharmaceutical industry applications
- 🏆 **Certifications:**
 - Ex CE/UKCA
 - SIL (up to SIL3)



Discover OMAL
high-performance
MAGNUM ball valves
on our website.





WHY OMAL?

Tailored solutions for critical applications

For critical applications and severe operating conditions, we design tailored solutions to meet specific demands in pressure, cycling, chemical compatibility, and application performance.

Standard products for everyday needs

A complete standard products range, offering reliability, quick availability, and easy selection for everyday application needs.

One partner, from catalog supply to engineered solutions.

OMAL S.p.A. Società Benefit is an Italian family own company **specialized** in the **automation** of the flow control.

It started in 1981 as a manufacturer of **actuators** and, over the years, it has established itself as a leading manufacturer of **valves**.

Today OMAL guarantees the **highest specialization** in the production of high-quality valves and actuators.



Our history



Other applications



Sustainability



OMAL S.p.A. Società Benefit

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