



BONOMI



GROUP

Hydraulic Components

HYDRAULIC COMPONENTS

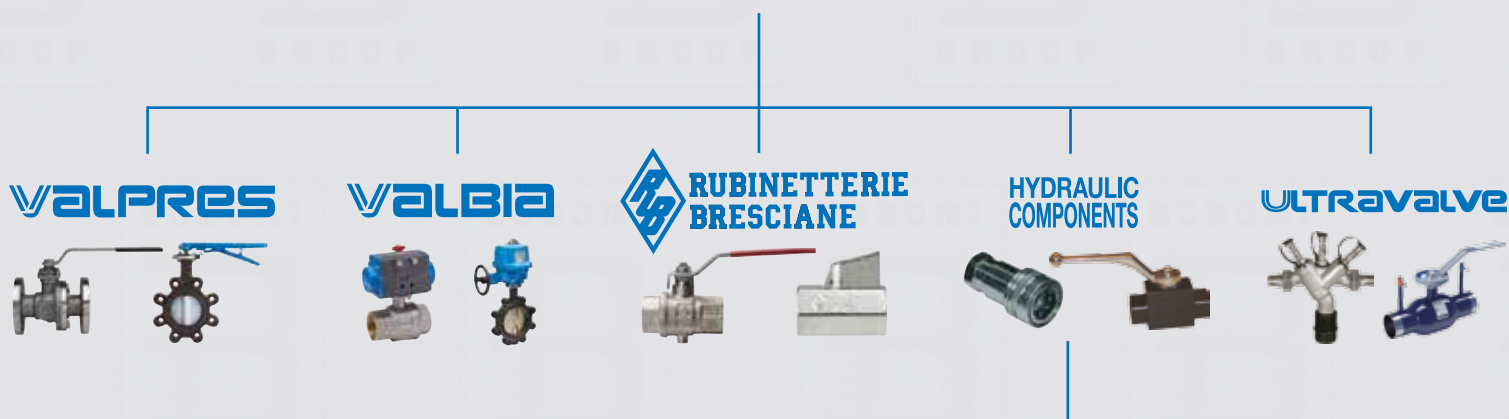
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Bonomi (UK) Ltd

Bonomi (UK) Ltd, established in 1999, offers a complete range of products and complementary services for the flow control industry. The complete range includes process valves, actuators and hydraulic components, the majority of which are available for same day despatch.



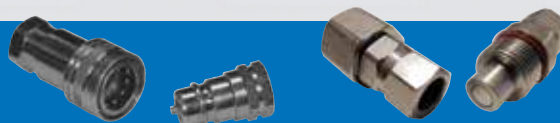
Hydraulic Components

Bonomi (UK) Ltd has a whole division dedicated to the supply of hydraulic components from Europe's leading manufacturers including couplings, high pressure ball valves, flow control valves and check valves. This brochure offers just an overview; if you cannot find what you are looking for please contact the sales office for our complete product catalogue.



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Same Day Despatch

With extensive UK stocks the vast majority of orders are despatched the same day.



UK based Technical Support

Bonomi (UK) Ltd is home to a wealth of technical expertise with both telephone and on-site support services available.



Actuated Valve Service

The performance of every actuated valve assembly can be fully guaranteed as we manufacture both the actuator and the valve. The UK based actuated valve workshop offers a true one stop shop.

FLAT FACE ISO 16028

Applications:

- Agriculture
- Mobile construction equipment
- Mining
- General industrial use

Features:

- Heavy duty construction
- Designed for minimal spillage
- High working pressures and flow rates
- Locking sleeve
- Easy clean
- Carbon/stainless options
- Different seal options

Interchangeable with:

All ISO 16028 manufactured couplings

Standard Range



Body Sizes	1/4" – 2"
Thread Sizes	1/4" – 2"
Threads	BSP Female
Max Working Pressure	250 – 350 Bar
Min Burst Pressure	Up to 1400 Bar connected depending on size

Stainless Steel Range



Body Sizes	1/4" – 2"
Thread Sizes	1/4" – 2"
Threads	BSP – NPT – SAE
Max Working Pressure	100 – 400 Bar
Min Burst Pressure	Up to 1900 Bar connected depending on size

Premier Range



Body Sizes	1/8" – 1-1/4"
Thread Sizes	1/8" – 1-1/4" / M12 – M36
Threads	BSP – NPT – SAE Metric male and metric male bulkhead light and heavy
Max Working Pressure	350 – 500 Bar
Min Burst Pressure	Up to 2500 Bar connected depending on size

Also available:

Full range of dust caps and plugs.



Connection Under Pressure Range



Body Sizes	1/4" – 2"
Thread Sizes	1/4" – 2"
Threads	BSP – NPT – SAE – Metric
Max Working Pressure	250 – 400 Bar
Min Burst Pressure	Up to 1900 Bar connected depending on size

Ultra High Pressure Range



Body Sizes	1/4" – 3/8"
Thread Sizes	1/4" – 3/4"
Threads	BSP – NPT – SAE
Max Working Pressure	700 Bar
Min Burst Pressure	Up to 2300 Bar connected depending on size

NEW

Colour safe system for quick and easy identification of different applications.



ISO A NORM (ISO 7241 – 1A)

Applications:

All industrial applications
Agricultural

Features:

Simple and quick connection

Full interchangeability

Available with poppet valve / ball closing system

Valveless couplings available in zinc or chrome plated (see page 12)

Interchangeable with:

All ISO 7241-1A manufactured couplings

Standard Range



Body Sizes	1/4" – 2"
Thread Sizes	1/4" – 2"
Threads	BSP – NPT – SAE
Max Working Pressure	160 – 350 Bar
Min Burst Pressure	Up to – 1400 Bar depending on size

Connection Under Pressure Probes



Body Sizes	1/2"
Thread Sizes	1/2" – 3/4"
Threads	BSP – NPT – RC – SAE
Max Working Pressure	250 Bar
Min Burst Pressure	1200 Bar connected

Stainless Steel



Body Sizes	1/4" – 2"
Thread Sizes	1/2" – 2"
Threads	BSP – NPT
Max Working Pressure	60 – 450 Bar
Min Burst Pressure	Up to 2900 Bar connected depending on size

Also available:

Full range of dust caps and plugs.



ISO B COUPLINGS (ISO 7241 – 1B)

Applications:

Iron industry
Steel industry
Oil industry
Automotive industry

Features:

Simple and quick connection
Full interchangeability

Interchangeable with:

All ISO 7241-1B manufactured couplings

Steel



Body Sizes	1/8" – 2"
Thread Sizes	1/8" – 2"
Threads	BSP – NPT
Max Working Pressure	100 – 500 Bar
Min Burst Pressure	Up to 1500 Bar connected depending on size

Brass



Body Sizes	1/8" – 2"
Thread Sizes	1/8" – 2"
Threads	BSP – NPT
Max Working Pressure	50 – 300 Bar
Min Burst Pressure	Up to 1500 Bar connected depending on size

Stainless Steel



Body Sizes	1/8" – 2"
Thread Sizes	1/8" – 2"
Threads	BSP – NPT
Max Working Pressure	60 – 400 Bar
Min Burst Pressure	Up to 1400 Bar connected depending on size

Also available:

Full range of dust caps and plugs.



SCREW COUPLINGS

Applications:

Heavy duty applications

Aeroquip interchange

Hydraulic circuits earth moving / service vehicles

Enerpac interchange

Designed for high pressure systems such as cylinders and hydraulic tools

Features:

Connection under pressure (male & female)

Interchangeable with:

Various coupling manufacturers

As applicable below:

STUCCHI VEP

Gromelle 6000

ENERPAC

Faster VV

Faster VVS



Flat Face



Body Sizes	1/4" – 1-1/2"
Thread Sizes	1/4" – 1-1/2"
Threads	BSP – NPT – SAE
Max Working Pressure	300 – 450 Bar
Min Burst Pressure	Up to 2000 Bar connected depending on size

ISO (14541)



Body Sizes	1/4" – 1-1/4"
Thread Sizes	1/4" – 1-1/2" / M14 – M52
Threads	BSP – NPT – SAE – Metric Light & Heavy Male – Metric Male Bulkhead
Max Working Pressure	300 – 450 Bar
Min Burst Pressure	Up to 2700 Bar connected depending on size

Gromelle Interchange



Body Sizes	1/4" – 2"
Thread Sizes	1/4" – 2"
Threads	BSP – NPT
Max Working Pressure	300 – 950 Bar
Min Burst Pressure	Up to 3800 Bar connected depending on size

Enerpac Interchange



Body Sizes	1/4" – 3/8"
Thread Sizes	1/4" – 1/2"
Threads	NPT – Metric
Max Working Pressure	700 Bar
Min Burst Pressure	Up to 2200 Bar

Standard



Body Sizes	3/8" – 1"
Thread Sizes	3/8" – 1"
Threads	BSP – NPT
Max Working Pressure	230 – 300 Bar
Min Burst Pressure	Up to 1800 Bar connected depending on size

High Pressure Steel



Body Sizes	3/8" – 2"
Thread Sizes	3/8" – 2"
Threads	BSP – NPT
Max Working Pressure	210 – 650 Bar
Min Burst Pressure	Up to 3000 Bar connected depending on size



AGRICULTURAL

Applications:

Agricultural market

Features:

Automatic release in case of accidental pull avoiding damage to hydraulic circuit

Agricultural hydraulic brake systems – ISO 5676

Agricultural hydraulic accessories – connection under-pressure male or female side

Lift systems on tipper lorries

Interchangeable with:

ISO 7241-1A couplings

Various coupling manufacturers as applicable

Faster CVE



Push Pull Standard



Body Sizes	1/2"
Thread Sizes	1/2" – 3/4"
Threads	BSP – NPT – SAE – Metric
Max Working Pressure	250 Bar
Min Burst Pressure	1200 Bar connected

Push Pull Premier Range



Body Sizes	1/4" – 1"
Thread Sizes	1/4" – 1" / M14 – M52
Threads	BSP – NPT – SAE – Metric (Light & Heavy) Male & Metric Male Bulkhead
Max Working Pressure	225 – 350 Bar
Min Burst Pressure	Up to 1400 Bar connected depending on size

Standard Range Trailer Brake



Body Sizes	1/2"
Thread Sizes	3/8" – 3/4" (7/8") / M18 – M22
Threads	BSP – SAE – Metric
Max Working Pressure	150 Bar
Min Burst Pressure	930 Bar connected

Connection Under Pressure



Body Sizes	1/2"
Thread Sizes	1/2"
Threads	BSP – Metric
Max Working Pressure	300 Bar
Min Burst Pressure	1250 Bar connected

Tractor Screw Type Flat Face



Body Sizes	1/2"
Thread Sizes	3/8" – 1/2" / M18 to M22 / 3/4" – 7/8" UNF
Threads	BSP – Metric – SAE
Max Working Pressure	200 Bar
Min Burst Pressure	1300 Bar connected

Tipper Couplings



Body Sizes	3/4" & 1"
Thread Sizes	3/4" & 1"
Threads	BSP
Max Working Pressure	300 – 350 Bar
Min Burst Pressure	1325 Bar connected



VALVELESS

Applications:

General industrial & agriculture

Features:

Free flow

Interchangeable with:

ISO 7241-1A Couplings

DIN standard – 1/2" interchangeable with ISO A

Nordic interchange

Tema T Series / CEJN 525

ISO A Norm



Body Sizes	1/4" – 1-1/4"
Thread Sizes	1/4" – 1-1/4"
Threads	BSP – NPT – RC
Max Working Pressure	250 – 350 Bar
Min Burst Pressure	Up to 1400 Bar connected depending on size

DIN Standard



Body Sizes	1/4" – 3/8"
Thread Sizes	1/4" – 3/8"
Threads	BSP
Max Working Pressure	500 – 700 Bar

Tema Valveless



Body Sizes	3/8"
Thread Sizes	3/8"
Threads	BSP
Max Working Pressure	600 Bar



OTHERS

Applications:

General industrial

Features:

Connection under residual pressure (not 1/4")

Interchangeable with:

Rectus Tema T Series / CEJN 525

1/2 to ISO 7241-1A

Tema Interchange



Body Sizes	1/4" – 1-1/2"
Thread Sizes	1/4" – 1-1/2"
Threads	BSP
Max Working Pressure	100 – 400 Bar
Min Burst Pressure	Up to 1800 Bar connected depending on size

DIN Poppet Style



Body Sizes	1/4" – 2"
Thread Sizes	1/4" – 2"
Threads	BSP – NPT
Max Working Pressure	100 – 400 Bar
Min Burst Pressure	Up to 1700 Bar connected depending on size

DIN Ball Style



Body Sizes	1/4" – 1"
Thread Sizes	1/4" – 1"
Threads	BSP – NPT
Max Working Pressure	200 – 300 Bar
Min Burst Pressure	Up to 1200 Bar connected depending on size



HIGH PRESSURE BALL VALVES

2-WAY

Applications:

General industrial use

Features:

MHA & Gemels

End connection options:

BKH, SKH and RKH are available with the following end connections:

BSP

NPT

Metric male light (DIN 2353L)

Metric male heavy (DIN 23535)

SAE J514 (Threaded)

SAE ISO 6162.2 3000PSI

SAE ISO 6162.2 6000PSI

Full flanged, split flanged & dual flanged



Carbon Steel – Barstock



Sizes Available	1/8" – 1-1/2"
Threads	BSP – NPT – Metric – SAE
Max Working Pressure	350 – 500 Bar

Carbon Steel – Forged



Thread Sizes	1/4" – 2"
Threads	BSP – NPT – Metric – SAE
Max Working Pressure	400 – 500 Bar

Stainless Steel



Thread Sizes	1/8" – 2"
Threads	BSP – NPT – Metric – SAE
Max Working Pressure	350 – 400 Bar

Panel Mounted



Thread Sizes	1/4" – 1-1/2"
Threads	BSP – NPT
Max Working Pressure	350 – 500 Bar

3-WAY

Applications:

General industrial use

Features:

'L' & 'T' ports available

Body options carbon steel or stainless steel

Ball seats polyamide / POM (Delrin) or PTFE

O' ring seals VITON / NBR

Interchangeable with:

MHA & Gemels

Carbon Steel – Barstock



Body Sizes	1/8" – 1/2"
Thread Sizes	1/8" – 1/2"
Threads	BSP – NPT – Metric
Max Working Pressure	350 – 400 Bar

Carbon Steel – Forged



Body Sizes	3/4" – 2"
Thread Sizes	3/4" – 2"
Threads	BSP – NPT – Metric
Max Working Pressure	350 – 400 Bar

Stainless Steel



Body Sizes	1/4" – 2"
Thread Sizes	1/4" – 2"
Threads	BSP – NPT
Max Working Pressure	250 – 400 Bar



HIGH PRESSURE BALL VALVES

MULTIWAY BALL VALVES

Applications:

General industrial use

Features:

Various porting options available – 3 & 4 way

Available as combi options

Interchangeable with:

MHA & Gemels

Carbon Steel Barstock



Body Sizes	1/8" – 1"
Thread Sizes	1/8" – 1"
Threads	BSP – NPT – Metric
Max Working Pressure	350 – 500 Bar

Carbon Steel Forged



Body Sizes	1/8" – 1"
Thread Sizes	1/8" – 1"
Threads	BSP – NPT – Metric
Max Working Pressure	350 – 500 Bar



ACTUATED

Applications:

General industrial use

Features:

For the on/off control of the medium by means of pneumatic actuation

Double acting or single acting

Electric option available (contact sales office)

'L' & 'T' Ports available (3-way)

2-way Actuated Valves



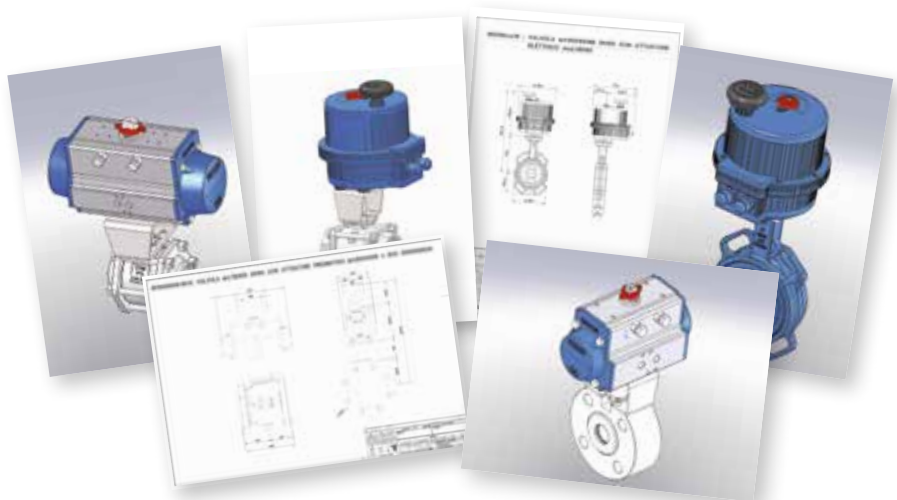
Thread Sizes	3/8" – 1"
Threads	BSP – NPT
Max Working Pressure	350 – 500 Bar

3-way Actuated Valves



Thread Sizes	3/8" – 1"
Threads	BSP – NPT
Max Working Pressure	350 – 400 Bar

THE ACTUATED VALVE WORKSHOP



- Pneumatic and Electric Actuators

- Single and Double Acting

- Comprehensive Range of Valves (Ex-Stock)

- Fully Assembled and Tested

FLOW CONTROL VALVES

Applications:

General hydraulic use for the control of flow of hydraulic oil

Features:

Bi-directional (double acting)

Uni-directional (single acting free reverse flow)

Micrometer style aluminium knob or ABS (plastic handwheel)

Panel mount with the addition of a lock nut

Standard Range



Thread Sizes	1/8" – 3/4"
Threads	BSP (NPT available on request)
Max Working Pressure	210 Bar
Max Flow Rate	Up to 80 LPM (dependent on size)

Connection Under Pressure Probes



Thread Sizes	1/8" – 2"
Threads	BSP (NPT available on request)
Max Working Pressure	350 – 400 Bar (dependent on size)
Max Flow Rate	Up to 350 LPM (dependent on size)

Stainless Steel



Thread Sizes	1/4" – 3/4"
Threads	BSP (NPT available on request)
Max Working Pressure	210 Bar
Max Flow Rate	Up to 80 LPM (dependent on size)

Inline & Angle Gauge Isolator



Thread Sizes	1/4"
Threads	BSP
Max Working Pressure	400 Bar

Applications:

General industrial use

Features:

Available in carbon / stainless steel

Different cracking pressures available

Interchangeable with:

Other NRV manufacturers

Carbon steel



	Poppet	Ball
Thread Sizes	1/8" – 2"	1/8" – 1"
Threads	BSP & NPT (on request)	
Max Working Pressure	200 – 300 Bar	320 – 400 Bar

Stainless



	Poppet	Ball
Thread Sizes	1/8" – 2"	1/8" – 1"
Threads	BSP & NPT (on request)	
Max Working Pressure	200 – 300 Bar	320 – 400 Bar

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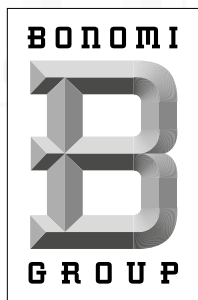
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