

BALANCING CATALOG





BALANCING CATALOG

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INNOVATIVE VALVE SOLUTIONS SINCE 1966

Founded by former Navy Commander Joseph Martin in 1966, and headquartered in Warren, MI, Jomar Valve is a recognized leader in the valve industry, offering innovative solutions for plumbing, HVAC, natural gas, industrial, and actuation applications. Our products carry the most certifications of any valve on the market, and we are committed to continuous growth and improvement.

At Jomar, we are proud to say our company culture is built around our customers' needs. Our dedicated team of professionals, with decades of industry experience, hold a wealth of knowledge and provide customized care and technical solutions every day.

Our production capabilities and strategically placed stocking warehouses across North America enable us to provide industry-leading lead times, fill rates, and local delivery for thousands of SKUs.

Investments in technology, software, and resources - including an e-commerce portal, and hundreds of downloadable BIM and CAD files for our engineering specifications community - make partnering with Jomar convenient.

Today, Jomar Valve is under the ownership of Fratelli Pettinaroli, a third-generation, family-operated ISO 9001 Italian manufacturer with a global presence spanning across more than 60 countries.

United by a shared passion to develop dynamic, high-quality valve solutions to meet the demands of any project, and an unwavering commitment to innovation and excellence, Pettinaroli and Jomar Valve continue to blaze forward together, redefining and elevating the standards of quality products and superior customer care.



JOMAR VALVE HEADQUARTERS, WARREN, MI



PETTINAROLI HEADQUARTERS, NORTHERN ITALY



VISIT OUR WEBSITE
TO LEARN MORE





SCAN CODE ON PRODUCT PAGES TO VIEW SPECIFICATIONS

**9 DOMESTIC HOT WATER
BALANCING VALVES**

TB-120G10
TB-130G10
TB-150G11
TB-110G11
TB-120MG.....12
TB-130MG.....12
TB-150MG.....13
TB-120MFG14
TB-130MFG.....14
TB-150MFG.....15
Tail Piece Check Valve16
Union Ball Valve16
Filter Ball® Strainer16
N.C. Thermoelectric Actuator 24V16
Thermowell and Probe16
Double Scale Thermometer16
TBG - FNPT17
TGG - FNPT.....18
TGG - SWT18
TGG - Press.....18
TAF19
TRAA-BFF-Q19
TRAB-BFF-Q19

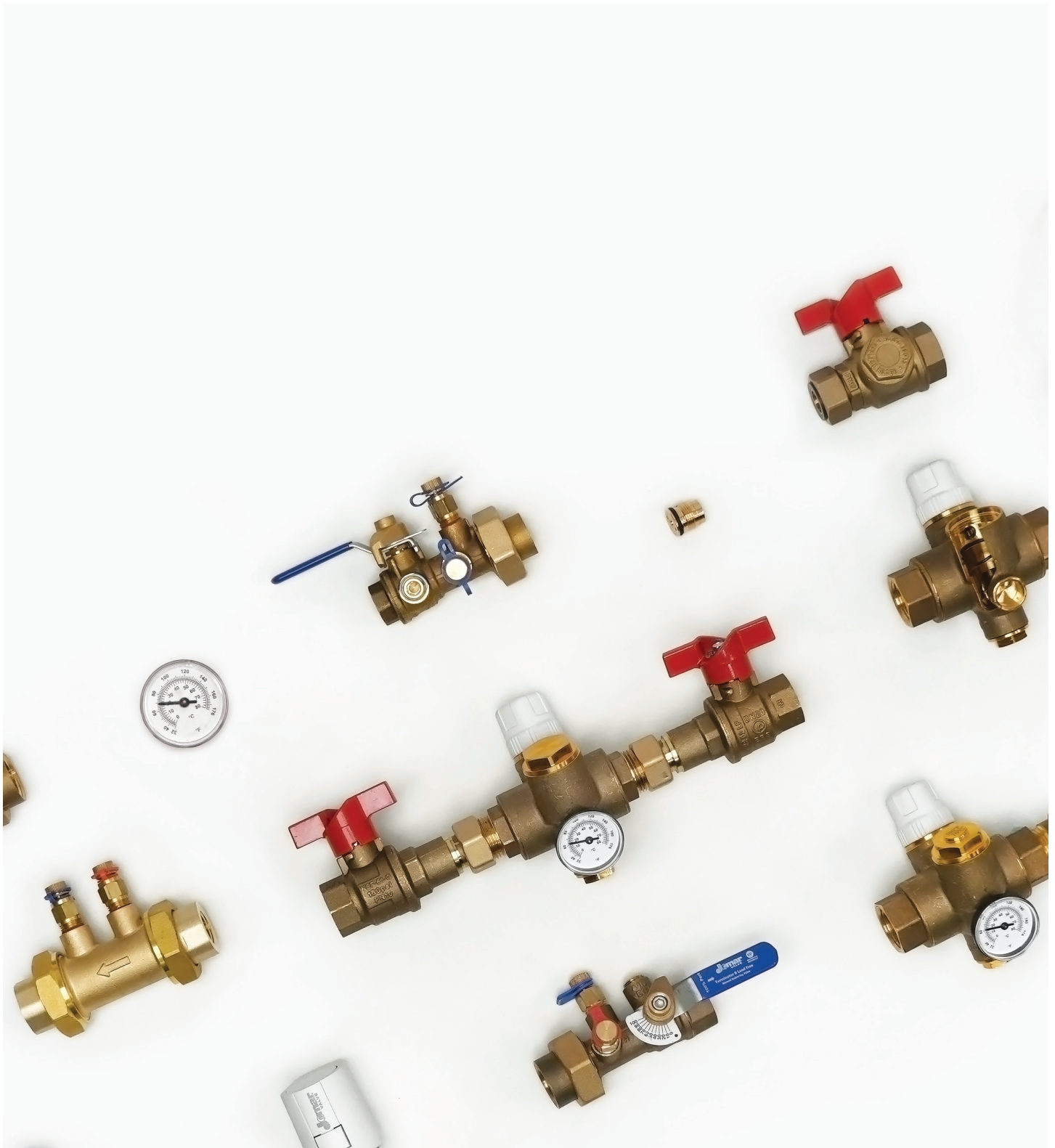
21 MECHANICAL BALANCING

TB - FNPT22
TB - SWT22
TG - FNPT22
TG - SWT.....23
TG - Flanged.....24
TG - Grooved.....25

26 ADDITIONAL RESOURCES

Additional Product Lines.....27-30
Stocking Warehouses31
Terms & Conditions32
Warranty.....33
Competitor Cross Reference.....34-35
Notes.....36-37





DOMESTIC HOT WATER BALANCING



TB-120G

RecircSetter™ | Thermostatic Balancing, Variable Set Point,
Optional Check Valve, 150 CWP

PART NUMBER	SIZE
180-103G-B	1/2"
180-104G-B	3/4"
WITH CHECK VALVE	
180-103G-B-C	1/2"
180-104G-B-C	3/4"

- Dezincification Resistant Brass Alloy
- Variable Temperature Set Point with Protective Cap
- Modulates Flow to Maintain Constant Temperature in Recirculation Loop
- No Balancing Equipment Required
- Drywell with Temperature Gauge Included
- 1/2" NPT Temperature Port (Factory Plugged)
- Optional Check Valve
- 100% Made in Italy
- NSF 61 & NSF 372 Certified
- Wetted Surfaces Contain Less than .25% Lead Content
- Accessories Available



OPTIONAL CHECK VALVE



TB-130G

RecircSetter™ | Thermostatic Balancing, Variable Set Point,
Optional Check Valve, Thermal Disinfection, 150 CWP

PART NUMBER	SIZE
180-103G-D	1/2"
180-104G-D	3/4"
WITH CHECK VALVE	
180-103G-D-C	1/2"
180-104G-D-C	3/4"

- Dezincification Resistant Brass Alloy
- Variable Temperature Set Point with Protective Cap
- Modulates Flow to Maintain Constant Temperature in Recirculation Loop
- No Balancing Equipment Required
- Drywell with Temperature Gauge Included
- 1/2" NPT Temperature Port (Factory Plugged)
- Optional Check Valve
- Thermal Disinfection Bypass (160°F)
- 100% Made in Italy
- NSF 61 & NSF 372 Certified
- Wetted Surfaces Contain Less than .25% Lead Content
- Accessories Available



OPTIONAL CHECK VALVE



TB-150G

RecircSetter™ | Thermostatic Balancing, Variable Set Point,
Optional Check Valve, Actuated Thermal Disinfection, 150 CWP

PART NUMBER	SIZE
180-103G-A	1/2"
180-104G-A	3/4"
WITH CHECK VALVE	
180-103G-A-C	1/2"
180-104G-A-C	3/4"

- Dezincification Resistant Brass Alloy
- Variable Temperature Set Point with Protective Cap
- Modulates Flow to Maintain Constant Temperature in Recirculation Loop
- No Balancing Equipment Required
- Drywell with Temperature Gauge Included
- 1/2" NPT Temperature Port (Factory Plugged)
- Optional Check Valve
- Actuated Thermal Disinfection for use with BMS
- 100% Made in Italy
- NSF 61 & NSF 372 Certified
- Wetted Surfaces Contain Less than .25% Lead Content
- Accessories Available



OPTIONAL CHECK VALVE



TB-110G

RecircSetter™ | Thermostatic Balancing, Variable Set Point,
150 CWP

PART NUMBER	SIZE
180-005G	1"
180-006G	1-1/4"

- Dezincification Resistant Brass Alloy
- Variable Temperature Set Point with Protective Cap
- Modulates Flow to Maintain Constant Temperature in Recirculation Loop
- No Balancing Equipment Required
- Drywell with Temperature Gauge Comes Standard
- Thermal Detection Bypass (160°F)
- 100% Made in Italy
- NSF 61 & NSF 372 Certified
- Wetted Surfaces Contain Less than .25% Lead Content





TB-120MG

RecircSetter™ | Thermostatic Balancing, Variable Set Point, Dual Isolation, 150 CWP

PART NUMBER	SIZE
180-103MG-B-I	1/2"
180-104MG-B-I	3/4"

- Dezincification Resistant Brass Alloy
- Variable Temperature Set Point with Protective Cap
- Modulates Flow to Maintain Constant Temperature in Recirculation Loop
- No Balancing Equipment Required
- Drywell with Temperature Gauge Included
- 1/2" NPT Temperature Port (Factory Plugged)
- Equipped with Dual Isolation Ball Valves
- Union Connection on Ball Valves
- Integrated Check Valve in Downstream Isolation Valve
- 100% Made in Italy
- NSF 61 & NSF 372 Certified
- Wetted Surfaces Contain Less than .25% Lead Content
- Accessories Available



CERTIFIED LEAD FREE

NSF/ANSI/CAN 61-G
NSF/ANSI/CAN 372



TB-130MG

RecircSetter™ | Thermostatic Balancing, Variable Set Point, Dual Isolation, Thermal Disinfection, 150 CWP

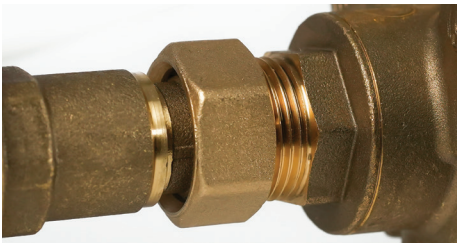
PART NUMBER	SIZE
180-103MG-D-I	1/2"
180-104MG-D-I	3/4"

- Dezincification Resistant Brass Alloy
- Variable Temperature Set Point with Protective Cap
- Modulates Flow to Maintain Constant Temperature in Recirculation Loop
- No Balancing Equipment Required
- Drywell with Temperature Gauge Included
- 1/2" NPT Temperature Port (Factory Plugged)
- Equipped with Dual Isolation Ball Valves
- Union Connection on Ball Valves
- Integrated Check Valve in Downstream Isolation Valve
- Thermal Disinfection Bypass (160°F)
- 100% Made in Italy
- NSF 61 & NSF 372 Certified
- Wetted Surfaces Contain Less than .25% Lead Content
- Accessories Available

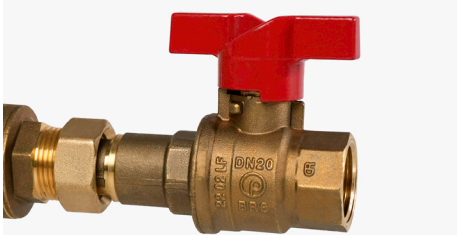


CERTIFIED LEAD FREE

NSF/ANSI/CAN 61-G
NSF/ANSI/CAN 372



INTEGRATED CHECK VALVE



DUAL ISOLATION ASSEMBLY



HANDWHEEL WITH PRESET TEMPERATURE



TB-150MG



TB-150MG

RecircSetter™ | Thermostatic Balancing, Variable Set Point, Dual Isolation, Actuated Thermal Disinfection, 150 CWP

PART NUMBER	SIZE
180-103MG-A-I	1/2"
180-104MG-A-I	3/4"

- Dezincification Resistant Brass Alloy
- Variable Temperature Set Point with Protective Cap
- Modulates Flow to Maintain Constant Temperature in Recirculation Loop
- No Balancing Equipment Required
- Drywell with Temperature Gauge Included
- 1/2" NPT Temperature Port (Factory Plugged)
- Equipped with Dual Isolation Ball Valves
- Union Connection on Ball Valves
- Integrated Check Valve in Downstream Isolation Valve
- Actuated Thermal Disinfection for use with BMS
- 100% Made in Italy
- NSF 61 & NSF 372 Certified
- Wetted Surfaces Contain Less than .25% Lead Content
- Accessories Available



NSF/ANSI/CAN 61-G
NSF/ANSI/CAN 372



CERTIFIED
LEAD FREE



TB-120MFG

RecircSetter™ | Thermostatic Balancing, Variable Set Point, Dual Isolation, Integrated Filter Ball® Strainer, 150 CWP



PART NUMBER	SIZE
180-103MFG-B-I	1/2"
180-104MFG-B-I	3/4"

- Dezincification Resistant Brass Alloy
- Variable Temperature Set Point with Protective Cap
- Modulates Flow to Maintain Constant Temperature in Recirculation Loop
- No Balancing Equipment Required
- Drywell with Temperature Gauge Included
- 1/2" NPT Temperature Port (Factory Plugged)
- Equipped with Dual Isolation Ball Valve and Filter Ball® Strainer
- Union Connection on Ball Valve
- Integrated Check Valve in Downstream Isolation Valve
- 100% Made in Italy
- NSF 61 & NSF 372 Certified
- Wetted Surfaces Contain Less Than .25% Lead Content
- Accessories Available



TB-130MFG

RecircSetter™ | Thermostatic Balancing, Variable Set Point, Dual Isolation, Integrated Filter Ball® Strainer, Thermal Disinfection, 150 CWP



PART NUMBER	SIZE
180-103MFG-D-I	1/2"
180-104MFG-D-I	3/4"

- Dezincification Resistant Brass Alloy
- Variable Temperature Set Point with Protective Cap
- Modulates Flow to Maintain Constant Temperature in Recirculation Loop
- No Balancing Equipment Required
- Drywell with Temperature Gauge Included
- 1/2" NPT Temperature Port (Factory Plugged)
- Equipped with Dual Isolation Ball Valve and Filter Ball® Strainer
- Union Connection on Ball Valve
- Integrated Check Valve in Downstream Isolation Valve
- Thermal Disinfection Bypass (160°F)
- 100% Made in Italy
- NSF 61 & NSF 372 Certified
- Wetted Surfaces Contain Less Than .25% Lead Content
- Accessories Available



**TB-150MFG**

RecircSetter™ | Thermostatic Balancing, Variable Set Point, Dual Isolation, Integrated Filter Ball® Strainer, Actuated Thermal Disinfection, 150 CWP



PART NUMBER	SIZE
180-103MFG-A-I	1/2"
180-104MFG-A-I	3/4"

- Dezincification Resistant Brass Alloy
- Variable Temperature Set Point with Protective Cap
- Modulates Flow to Maintain Constant Temperature in Recirculation Loop
- No Balancing Equipment Required
- Drywell with Temperature Gauge Included
- 1/2" NPT Temperature Port (Factory Plugged)
- Equipped with Dual Isolation Ball Valve and Filter Ball® Strainer
- Union Connection on Ball Valve
- Integrated Check Valve in Downstream Isolation Valve
- Actuated Thermal Disinfection for use with BMS
- 100% Made in Italy
- NSF 61 & NSF 372 Certified
- Wetted Surfaces Contain Less Than .25% Lead Content
- Accessories Available





Tail Piece Check Valve

RecircSetter™ | Fits any Model, Installed on Downstream

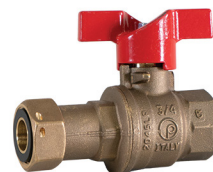
PART NUMBER	SIZE
180-503G	1/2"
180-504G	3/4"



Union Ball Valve

RecircSetter™ | Fits any MG/MFG Model, For Dual Isolation

PART NUMBER	SIZE
180-703G	1/2"
180-704G	3/4"
WITH INTEGRATED CHECK VALVE	
180-713G	1/2"
180-714G	3/4"



Filter Ball® Strainer

RecircSetter™ | Fits any MFG Model, Integrated 3-Way Strainer

PART NUMBER	SIZE
180-723G	1/2"
180-724G	3/4"



N.C. Thermoelectric Actuator 24V

RecircSetter™ | Fits any TB-150G/MG/MFG Model, Equipped with Limit Micro Switch and VA64 Ring Nut

PART NUMBER
180-893



Thermowell and Probe

RecircSetter™ | Fits any TB-150G/MG/MFG Model

PART NUMBER
180-TPW



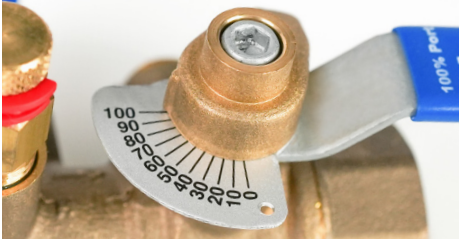
Double Scale Thermometer

RecircSetter™ | Fits any Model, 32°F - 176°F

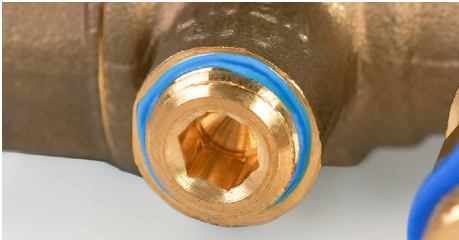
PART NUMBER
899-180



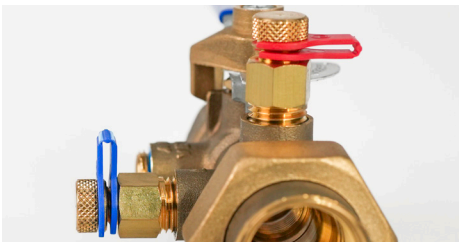
TBG - FNPT



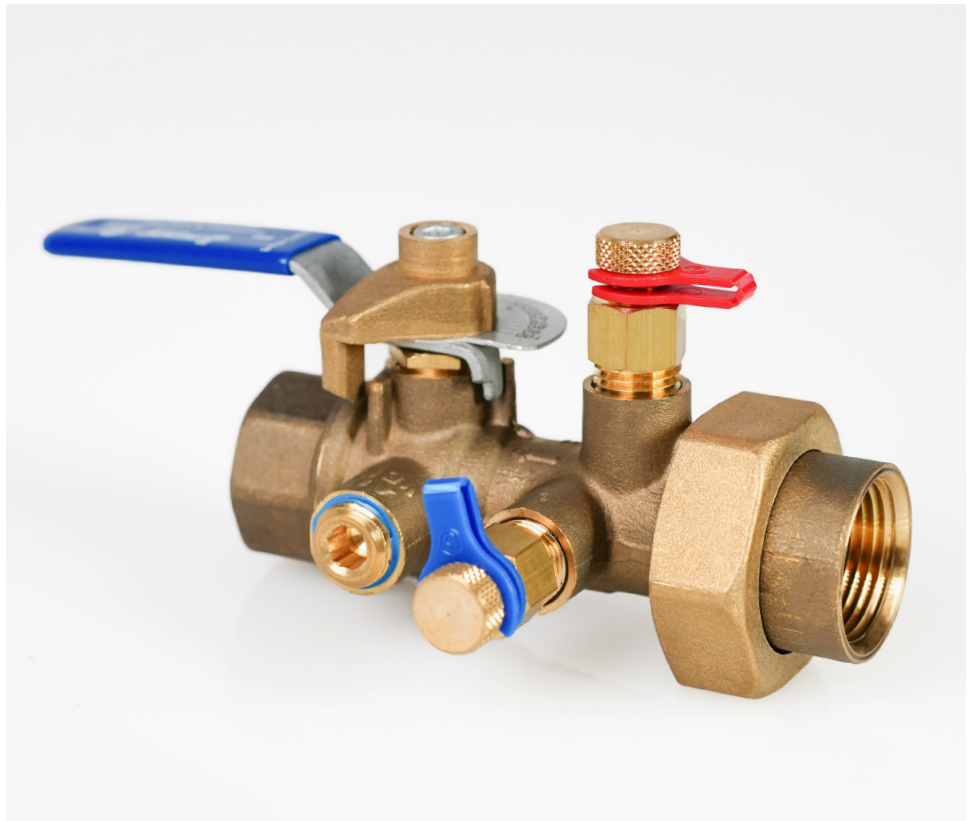
MEMORY STOP



ACCESSORY TAP



TWO PT PORTS



TBG - FNPT

Terminator B | Manual Balancing, Quarter-Turn, Fixed Orifice,
Threaded Connection, Union End, Integrated Ball Valve,
Memory Stop, PT Ports, 600 WOG

PART NUMBER	SIZE
TBG-AFF	1/2"
TBG-BFF	3/4"

- Dezincification Resistant Brass Alloy
- +/- 2% Accuracy
- Positive Shut-Off
- Triple Sealing Stem with 2 FKM O-Rings and Teflon Seal
- Blow-Out Proof Stem
- Patented Removable Venturi
- Two Pressure Test Ports
- Additional Accessory Tap
- 100% Leak Tested
- 100% Made in Italy
- NSF 61-8 & NSF 372 Certified
- Wetted Surfaces Contain Less than .25% Lead Content
- Leakproof Stem – Lifetime Warranty





TGG - FNPT

Terminator G | Manual Balancing, Multi-Turn Globe Valve, Y-Pattern, Variable Orifice, Threaded Connection, Memory Stop, PT Ports, 300 WOG

PART NUMBER	SIZE	CARTON	WEIGHT
TGG-AFF	1/2"	15	24
TGG-BFF	3/4"	15	24
TGG-CFF	1"	16	31
TGG-DFF	1-1/4"	15	24
TGG-EFF	1-1/2"	15	24
TGG-FFF	2"	15	24

- Dezincification Resistant Brass Alloy
- +/- 5% Accuracy
- Positive Shut-Off
- Two Pressure Test Ports
- Multi-Turn, 360° Handwheel with Vernier Scale and Digital Readouts
- Precise Flow Measurement and Flow Balancing
- 100% Leak Tested
- Wetted Surfaces Contain Less than .25% Lead Content
- Lead Free Compliant to NSF 372



TGG - SWT

Terminator G | Manual Balancing, Multi-Turn Globe Valve, Y-Pattern, Variable Orifice, Solder Connection, Memory Stop, PT Ports, 300 WOG

PART NUMBER	SIZE	CARTON	WEIGHT
TGG-ACC	1/2"	15	24
TGG-BCC	3/4"	15	24
TGG-CCC	1"	15	24
TGG-DCC	1-1/4"	12	26
TGG-ECC	1-1/2"	15	24
TGG-FCC	2"	15	24

- Dezincification Resistant Brass Alloy
- +/- 5% Accuracy
- Positive Shut-Off
- Two Pressure Test Ports
- Multi-Turn, 360° Handwheel with Vernier Scale and Digital Readouts
- Precise Flow Measurement and Flow Balancing
- 100% Leak Tested
- Lead Free Compliant to NSF 372
- Wetted Surfaces Contain Less than .25% Lead Content



TGG - Press

Terminator G | Manual Balancing, Multi-Turn Globe, Y-Pattern, Variable Orifice, Press Connection, Memory Stop, PT Ports, 200 WOG

PART NUMBER	SIZE
TGG-APP	1/2"
TGG-BPP	3/4"
TGG-CPP	1"
TGG-DPP	1-1/4"
TGG-EPP	1-1/2"
TGG-FPP	2"

- Lead Free Dezincification Brass
- "Y" Pattern Globe Style Design
- Multi-Turn, 360° Handwheel with Vernier Scale and Digital Readouts
- Offsetting Pressure/Temperature Ports
- Positive Shutoff
- Built-In Memory Stop
- Precise Flow Measurement and Flow Balancing
- Lead Free Compliant to NSF 372
- Wetted Surfaces Contain Less than .25% Lead Content



**TAF**

Automatic Balancing, Threaded Connection, Union End, Flow Limiter, PT Ports, 600 WOG

PART NUMBER	SIZE
TAF-AFF	1/2"
TAF-BFF	3/4"
TAF-CFF	1"

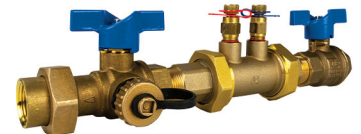
- Dezincification Resistant Brass Alloy
- +/- 5% Accuracy
- Two Pressure Test Ports
- Stainless Steel Cartridge
- Design Flow Rate of 0.5 GPM; Other Flow Rates Available Upon Request
- Single Reduction Available Upon Request
- 100% Leak Tested
- Wetted Surfaces Contain Less than .25% Lead Content

**TRAA-BFF-Q**

Automatic Balancing, Fixed Venturi, Threaded Connection with Drain, Memory Stop, 400 WOG

PART NUMBER	SIZE
TRAA-BFF-Q	3/4"

- Dezincification Resistant Brass Alloy
- Cartridge Type Balancing Valve
- Equipped with Isolation Valve with Integrated Drain, and Inline Check Valve
- Patented Ball in Drain for Quarter-Turn Draining
- Design Flow Rate is 0.5 GPM; Other Flow Rates Available Upon Request
- 100% Pressure Tested
- 100% Made in Italy
- Wetted Surfaces Contain Less than .25% Lead Content


**TRAB-BFF-Q**

Manual Balancing, Fixed Venturi, Threaded Connection with Drain, 600 WOG

PART NUMBER	SIZE
TRAA-BFF-Q	3/4"

- Dezincification Resistant Brass Alloy
- Venturi Type Balancing Valve
- Equipped with Isolation Valve with Integrated Drain, and Inline Check Valve
- Patented Ball in Drain Quarter-Turn Draining
- Design Flow Rate is 0.4 – 2 GPM; Other Flow Rates Available Upon Request
- 100% Pressure Tested
- 100% Made in Italy
- Wetted Surfaces Contain Less than .25% Lead Content



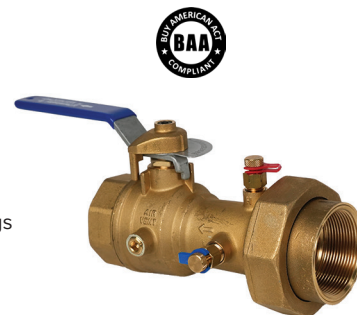



TB - FNPT

Terminator B | Manual Balancing, Quarter-Turn, Fixed Orifice, Threaded Connection, Union End, Integrated Ball Valve, Memory Stop, PT Ports, 600 WOG

PART NUMBER	SIZE
TB-AFF	1/2"
TB-BFF	3/4"
TB-CFF	1"
TB-DFF	1-1/4"
TB-EFF	1-1/2"
TB-FFF	2"

- +/- 2% Accuracy
- Positive Shut-Off
- Triple Sealing Stem with 2 Viton® O-Rings and Teflon Seal
- Blow-Out Proof Stem
- Patented Removable Venturi
- Two Pressure Test Ports
- Additional Accessory Tap
- Location Tag Available Upon Request
- 100% Leak Tested
- 100% Made in Italy
- Leakproof Stem – Lifetime Warranty

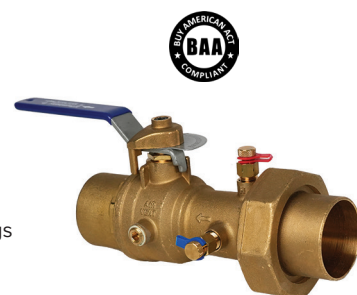


TB - SWT

Terminator B | Manual Balancing, Quarter-Turn, Fixed Orifice, Solder Connection, Union End, Integrated Ball Valve, Memory Stop, PT Ports, 600 WOG

PART NUMBER	SIZE
TB-ACC	1/2"
TB-BCC	3/4"
TB-CCC	1"
TB-DCC	1-1/4"
TB-ECC	1-1/2"
TB-FCC	2"

- +/- 2% Accuracy
- Positive Shut-Off
- Triple Sealing Stem with 2 Viton® O-Rings and Teflon Seal
- Blow-Out Proof Stem
- Patented Removable Venturi
- Two Pressure Test Ports
- Additional Accessory Tap
- Location Tag Available Upon Request
- 100% Leak Tested
- 100% Made in Italy
- Leakproof Stem – Lifetime Warranty



TG - FNPT

Terminator G | Manual Balancing, Multi-Turn Globe Valve, Y-Pattern, Variable Orifice, Threaded Connection, Memory Stop, PT Ports, 300 WOG

PART NUMBER	SIZE	CARTON	WEIGHT
TG-AFF	1/2"	15	24
TG-BFF	3/4"	15	24
TG-CFF	1"	16	31
TG-DFF	1-1/4"	15	24
TG-EFF	1-1/2"	15	24
TG-FFF	2"	15	24

- +/- 5% Accuracy
- Positive Shut-Off
- Integral Metering Orifice Plate
- Two Pressure Test Ports
- Multi-Turn, 360° Handwheel with Vernier Scale and Digital Readouts
- Precise Flow Measurement and Flow Balancing
- 100% Leak Tested
- Conforms to BS 7350





TG - SWT

Terminator G | Manual Balancing, Multi-Turn Globe Valve,
Y-Pattern, Variable Orifice, Solder Connection, Memory Stop, PT
Ports, 300 WOG

PART NUMBER	SIZE	CARTON	WEIGHT
TG-ACC	1/2"	15	24
TG-BCC	3/4"	15	24
TG-CCC	1"	15	24
TG-DCC	1-1/4"	12	26
TG-ECC	1-1/2"	15	24
TG-FCC	2"	15	24

- +/- 5% Accuracy
- Positive Shut-Off
- Integral Metering Orifice Plate
- Two Pressure Test Ports
- Multi-Turn, 360° Handwheel with Vernier Scale and Digital Readouts
- Precise Flow Measurement and Flow Balancing
- 100% Leak Tested
- Conforms to BS 7350



TG - FLANGED



MULTI-TURN, 360° HANDWHEEL WITH VERNIER SCALE DISPLAY



MEMORY STOP



TWO PT PORTS



TG - Flanged

Terminator G | Manual Balancing, Multi-Turn Globe Valve, Y-Pattern, Variable Orifice, Flanged Connection, Memory Stop, PT Ports, 230 WOG

PART NUMBER	SIZE
TG-GFF	2-1/2"
TG-HFF	3"
TG-IFF	4"
TG-KFF	6"
TG-LFF	8"
TG-MFF	10"
TG-NFF	12"

- +/- 5% Accuracy
- Positive Shut-Off
- Two Pressure Test Ports
- Precise Flow Management and Flow Balancing
- ANSI Class 150
- EN-558-1 Series 1
- Flange: ANSI B16.5
- Face-to-Face: DIN 3202-1/F1
- Conforms to BS 7350





TG - Grooved

Terminator G | Manual Balancing, Multi-Turn Globe Valve,
Y-Pattern, Variable Orifice, Grooved Connection, Memory Stop,
PT Ports, 230 WOG

PART NUMBER	SIZE
TG-GGG	2-1/2"
TG-HGG	3"
TG-IGG	4"
TG-KGG	6"
TG-LGG	8"
TG-MGG	10"
TG-NGG	12"

- +/- 5% Accuracy
- Positive Shut-Off
- Two Pressure Test Ports
- Multi-Turn, 360° Handwheel with Vernier Scale and Digital Readouts
- Precise Flow Measurement and Flow Balancing



ADDITIONAL PRODUCT LINES



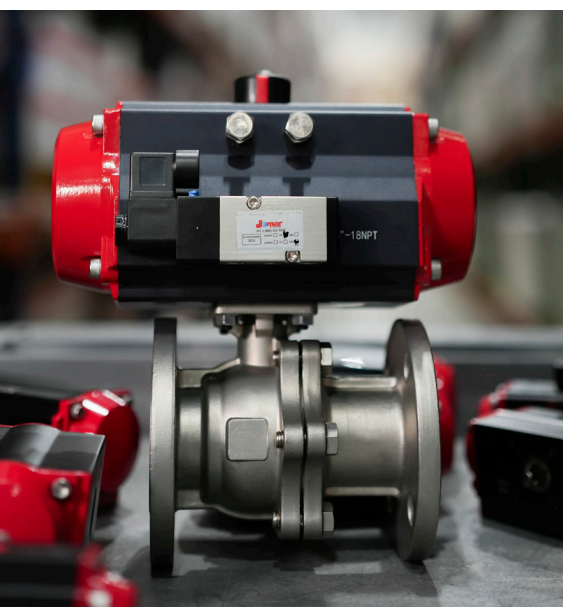
COMMERCIAL

For large-scale applications and infrastructure, rely on Jomar's products to integrate seamlessly within the most sophisticated environments while providing meticulous engineering and precision, reliability, and longevity.



RESIDENTIAL

Jomar's extensive lineup provides reliable, efficient, and innovative solutions that enhance the most basic residential plumbing systems up to the most advanced heating systems, including boilers and furnaces. Our products offer easy installation, durability, reliability, and space-saving options.



INDUSTRIAL

Jomar's vast lineup of industrial and actuation products improve operational efficiency, and prioritize safety, control, and compliance. No matter how complex the setting, our durable, high-performance options ensure maximum output.

COMMERCIAL LINEUP



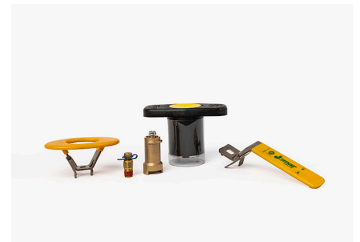
BALL VALVES



BUTTERFLY VALVES



GATES, CHECKS, STRAINERS



ACCESSORIES



SCAN CODE TO VIEW THE
COMMERCIAL CATALOG

RESIDENTIAL LINEUP



BALL VALVES



CHECKS & STRAINERS



CPVC / PVC



DIELECTRIC UNIONS



LOW PRESSURE



ACCESSORIES



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INDUSTRIAL LINEUP



BALL VALVES



BUTTERFLY VALVES



GATES, CHECKS, STRAINERS



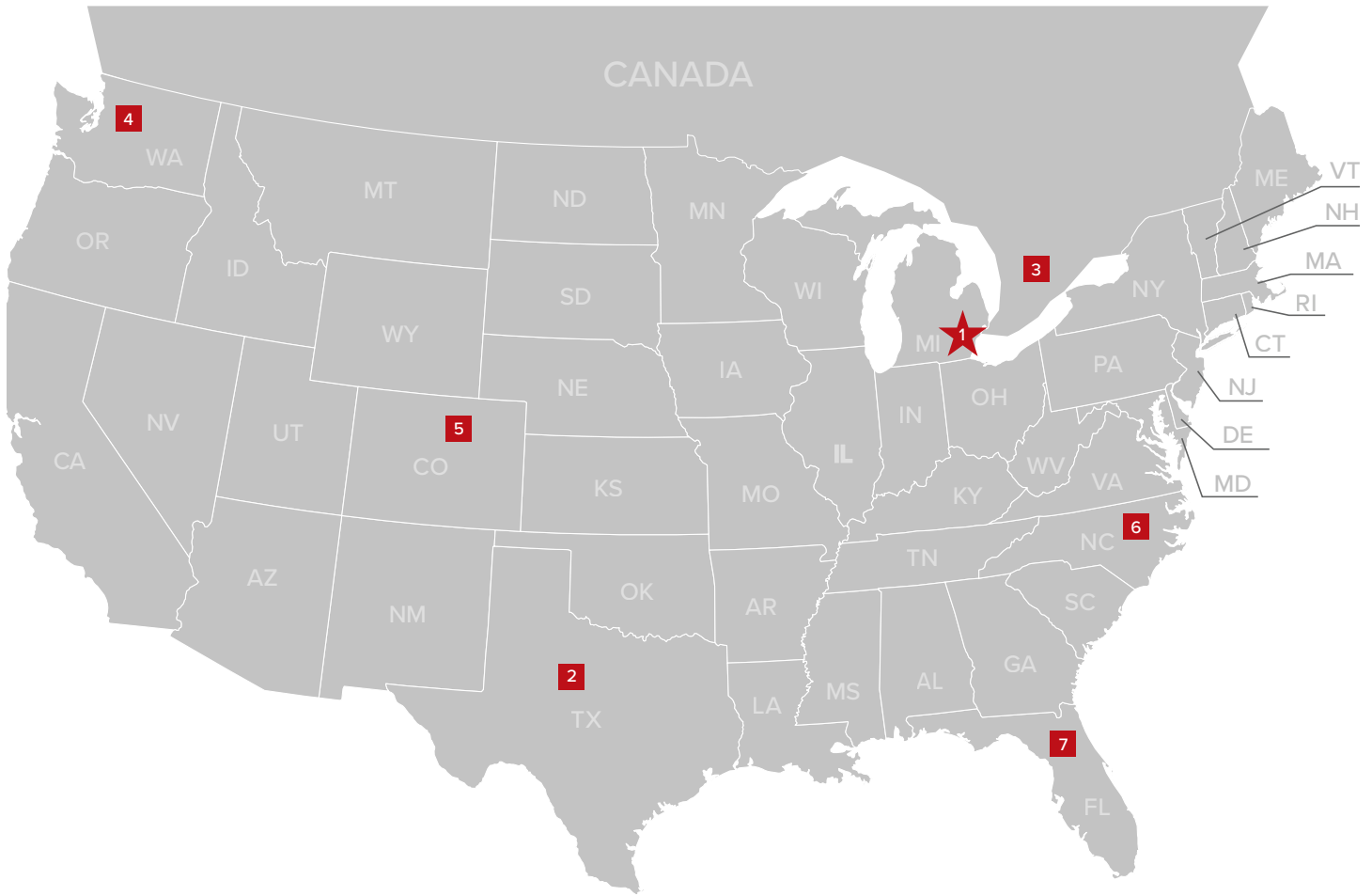
ACTUATION



DIELECTRIC UNIONS



SCAN CODE TO VIEW THE
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STOCKING WAREHOUSES



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THE SPIRIT GROUP
ORLANDO, FL 32803
407.291.6035

TERMS & CONDITIONS

UNLESS OTHERWISE SPECIFIED IN WRITING, THE FOLLOWING WILL PREVAIL:

GENERAL

The possession of the Jomar International catalog and/or literature is not to be construed as an offer to sell the goods listed herein. All orders shall be subject to the approval and acceptance of Jomar International, dba Jomar Valve, hereinafter referred to as the Company, at its principal office in Warren, Michigan.

All Company proposals, all acceptances of Purchaser's orders, and all sales by the Company are expressly limited to, and expressly made conditional upon, the Purchaser's acceptance and assent to the Standard Terms and Conditions of Sale as set forth herein, notwithstanding receipt of, or acknowledgment of, the Purchaser's order form or specifications containing additional or different provisions, or conflicting oral representations by any agent or employee of the Company. No waiver, change or modification of any terms or conditions on the face or reverse hereof shall be binding on the Company unless made in writing and signed by an officer of the Company.

PRICES AND TERMS

All prices are subject to change without notice. Minimum billing is \$50.00. Terms are 2% 10 days, NET 30 days subject to approved credit. Not applicable to credit card payments. Credit card payments are subject to a 3% credit card convenience fee. Shipments can be expected, prior to establishing credit, by including check with order for full amount or specifying C.O.D. Any order originating outside the contiguous United States, Alaska, Hawaii or Canada shall be subject to an irrevocable letter of Credit confirmed by a U.S. bank or a sight draft. There is a 1-1/2% per month service charge on all balances unpaid by the 1st of the following month (18%) annual interest rate.

PERFORMANCE GUARANTEE

The Company guarantees to the original purchaser that the equipment of its manufacture will perform at rated capacity as stated only when (1) properly installed, connected, started, operated and maintained in accordance with Company Instruction(s), and/or Information Guide(s), as revised from time to time, and (2) used for the applications specified and (3) used in the environments as specified or as limited. If equipment is part of a greater system, the Company accepts responsibility only for the equipment manufactured by it.

THIS EQUIPMENT MUST BE INSTALLED, OPERATED, AND MAINTAINED IN ACCORDANCE WITH THE APPROPRIATE INSTRUCTION(S) AND/OR INFORMATION GUIDE(S), AS REVISED FROM TIME TO TIME, PURCHASERS OF THE COMPANY'S EQUIPMENT WAIVE SUBROGATION ON ALL ITEMS COVERED UNDER THEIR OWN OR OTHER INSURANCE.

LIMITED WARRANTY ON THE EQUIPMENT ITSELF

The Company, for a period of one year from the date of shipment, warrants each product or system of its own manufacture to the original purchaser to be free from defects in material and workmanship under normal use, service and maintenance. Normal use, service and maintenance means:

- Not in excess of the maximum pressures, temperatures, volumes and rated capacities or other parameters specified in the Company's Product Bulletins, Specification Sheets, and/or quotation(s).
- Using only fluids specified in the Company's Product Bulletins, Specification Sheets, and/or quotations.
- Operation and maintenance in compliance with the appropriate instructions and/or Information Guides.

FREIGHT ALLOWANCE

All prices are FOB Warren, Michigan with full freight prepaid and allowed within the contiguous United States on shipments of \$2,500.00 net or more excluding ductile/cast iron, stainless steel, and carbon steel products which are \$3,500.00 or more. Any combination of products, items or sizes may be combined to satisfy the dollar amount required to earn full freight allowance. The Company reserves the right to select the most economical routing and shall not be liable by reason of the mode or route of shipment nor held responsible for any assessorial charges beyond the standard freight and fuel charges such as lift-gate, redelivery, re-consignment, residential, lift-gate surcharges, etc.

EXPORT SHIPMENTS

All prices are FOB plant, Warren, Michigan, with full freight prepaid and allowed to Port of Exit on shipments of \$2,500.00 net or more, excluding ductile/cast iron, stainless steel, and carbon steel products which are \$3,500.00 or more.

PACKAGING

All list prices are based on domestic packaging. For export packaging, contact the factory for pricing.

DELIVERY

The quoted time of delivery is understood to be from date of receipt of all necessary information including Purchaser's approval, if applicable. Any delay in delivery of any installment shall not relieve purchaser of its obligation to accept remaining deliveries. The Company shall not be liable for damages or for cancellation of the contract as a result of any delay due to any cause beyond the Company's reasonable control including, but not limited to, act of God, act of the purchaser, embargo or other governmental acts, regulations or requirements, fire accident, labor disputes, war, civil insurrection or riot, delay in transportation or the inability to obtain necessary labor, materials or manufacturing facilities. In the event of any such delay the date of delivery shall be extended for a period equal to the time lost by reason of the delay. All shipments, unless otherwise specified, shall be FOB shipping point and the purchaser assumes responsibility for damage or loss in transit. The Company shall not be liable or responsible by reason of the mode or route of shipment.

Products or goods not of Company manufacture supplied in piece, or as components to a system designed or sold by the Company, are not covered by this warranty. However, the Company will extend to the purchaser the benefit of such adjustment as is obtained from the manufacturer of that component or product. This warranty does not apply to damage caused by any or all of the following circumstances or conditions:

- Freight damage.
- Parts and/or accessories or components not obtained from or approved by the Company.
- Any consequential or incidental damage arising from the use of the product, system or other goods manufactured or sold by the Company.
- Misapplication, misuse, abuse, or failure to follow the Product Instruction Sheets and/or Information Guides

The remedy under this warranty is limited to the repair or replacement of any parts found upon examination by the Company to have been defective, and shall not include removal and reinstallation costs involved in the exchange. The remedy shall be conditioned upon receipt of written notice by the Company of any alleged defects promptly after discovery thereof within the warranty period. Generally, consent, if given, will be upon the condition that the purchaser assumes and prepays all carrier charges.

THIS WARRANTY IS EXCLUSIVE. THE COMPANY EXPRESSLY DISCLAIMS ANY AND ALL OTHER WARRANTIES, WHETHER EXPRESSED OR IMPLIED, INCLUDING ANY IMPLIED WARRANTY OR MERCHANT ABILITY OF FITNESS FOR A PARTICULAR PURPOSE OR, ANY PURPOSE.

No person, including any dealer or representative of the Company, is authorized to make any representations concerning the Company products or systems on behalf of the Company or to assume for the Company the obligations contained in this warranty. The Company reserves the right to make design and other changes, modifications or improvements upon its products or systems, without any obligation to install same on any previously sold or delivered products or systems. This warranty gives the purchaser specific legal rights. The purchaser may have other rights that vary from state to state.

DISPOSITION OF FREIGHT SHIPPING

Freight can be refused based on the following terms and conditions:

- Signs of Damage - It is imperative that prior to signing the Bill of Lading, check for discovered or concealed damage. Discovered damage can be evident on the outside of the box, crate, etc. Concealed damage can be found within the box/crate. Once damage is discovered, please document what you see, and if possible, take pictures to provide to our Customer Service team. Please note, signing for a damaged shipment without proper notation of damages is acknowledging that the shipment arrived undamaged. In addition, to avoid having your claim disputed, please have the truck driver call in the damaged goods to their office and provide an OS&D (Over, Short, & Damaged) claim number.
- Errors on Paperwork - The Bill of Lading should accurately represent exactly what is being shipped, the correct address, the billing party, etc. If there is an error where the shipment is being delivered to the wrong address or person, you can refuse shipment.
- Duplicate Shipment - If you have received a duplicate shipment due to an error on our part, you may refuse shipment.

In the event that you must refuse shipment, please contact our Customer Service team by phone at 586.268.1220 or email csr@jomar.com.

LIMITATION OF LIABILITY

It is expressly agreed that the liability is limited and the Company does not function as an insurer. The purchaser and/or user agree that the Company is not liable for loss, harm or damage due directly or indirectly to any occurrence of consequence therefrom. If the Company should be found liable to anyone in any theory (except any express warranty where the remedy is set forth in this document) for loss, harm, or damage, the liability of the Company shall be limited to the lesser of the actual loss, harm or damage, or the original purchase price of the involved equipment, system or service when sold (or when services performed by) the Company to its customer. This liability is exclusive and regardless of cause or origin resulting directly or indirectly to person or property from:

- The performance or non-performance of any obligation set forth in this warranty and warranty policy.
- Any agreement, oral or written, including specifications, between the Company and the customer.
- Negligence, active, passive or otherwise, of the Company or any of its agents, employees, or independent contractors.
- Breach of any judicially imposed warranty or covenant and,
- Misrepresentation or strict liability involvement.

SPECIAL PRODUCTS

Special products produced to order, or products not normally stocked, are subject to a 10% overrun or underrun. Pattern equipment, tooling, etc., built for the manufacture of purchaser's products shall at all times remain in the possession of the Company. Since such equipment is made or supplied on a non-profit basis, it shall not be removed from the Company's plant except upon payment of a minimum 20% charge based on the original equipment costs to cover engineering, drafting, and handling. The Company agrees to maintain such equipment except the major repairs or replacement would be at the purchaser's expense. If no orders have been received for production for a period of eighteen months, the Company accepts no liability for the continued existence or availability of such equipment after such period. Written notification advising the customer of the expiration date will not be required of the Company.

BUYER'S PURCHASE ORDER TERMS

The terms on the purchase order shall not change, enlarge, or modify Company's liability or obligations.

SHORTAGE AND BREAKAGE

The Company's responsibility for delivery of materials sold FOB shipping point ends when the receipt is obtained from the consignor of the transportation company. It is agreed that the purchaser shall notify the Company of any shortage within five (5) days from receipt of the material. In the event of loss or damage incurred in transit, the carrier shall be responsible and claims for parts broken or lost in shipment are to be filed with the transportation company by the Company.

CANCELLATION OF ORDERS

If, for any reason, the purchaser desires to cancel an order, such cancellation shall only be with written consent of the Company, and then only after payment is made to the Company for all costs incurred which shall include but not be limited to, material, labor, overhead, and reasonable profit.

RETURNS AND RESTOCKING CHARGES

Equipment may be returned to Jomar Valve at 7243 Miller Drive, Warren, Michigan 48092, only upon prior written authorization of the Company. Consent, if given, will be upon the condition the purchaser assumes all carrier charges responsibility for damages in transit, and a minimum 15% restocking charge, and then only if the so authorized material is in new and unused condition and returned within one year from the original date of shipment. All returns are issued in the form of material credit toward future purchases. The credit will be based on the original invoice price or the current price, whichever is lower, less the applicable restocking charge. In the event that an end user contacts the Company's office, we will direct them to contact their point of purchase (e.g. Wholesaler) to process any returns.

SERVICE

Unless otherwise noted herein, the cost of the equipment does not include service or installation. All services performed by the Company are subject to purchaser's payment of the Company's prevailing charges plus necessary travel and living expense.

TAXES

Any tax or taxes that may be imposed upon the goods that are the subject of this sale, or upon the sale or delivery, shall be added to and become a part of the contract price.

REGULATIONS

Every contract of sale shall be subject to all applicable state and federal statutes and regulations. The terms of this agreement shall be construed in accordance with the laws of the state of Michigan.

WARRANTY AND LIMITATIONS OF LIABILITY

Jomar Group warrants, to its initial purchaser only, that its products which are delivered to this initial purchaser will be of the kind described in the order or price list and will be free of defects in workmanship or material.

LIFETIME STEM LEAKAGE AND FIVE-YEAR BODY LIMITED WARRANTY

For Jomar Group's valves listed below, this warranty is for a lifetime period covering leakage through the stem and a five year period from the date of shipment to you, our initial purchaser, covering leakage in or on the body. This warranty applies only to the Jomar Group products listed here:

T-100CG	T-82MG	T-203DU	175-LWIN
S-100CG	T-100NE	T-204	125-LWN
T-100CSSG	S-100NE	T-204DU	125-LWN-S
S-100CSSG	T-100SSE	T-205	125-LWN-SA
JP-100G	T-100SSS	TB-120G	175-LWIBP
JP-100G XLC	T-100FMN	TB-130G	125-LWIBP
JP-100SSG	S-100FMN	TB-150G	125-LWBP
JP-100SSG XLC	T-100UE	TB-120MG	175-LWBP
JP-100HCG	T-100STN	TB-130MG	125-LWUBP
T-100-UEG	JP-100	TB-150MG	175-LWMP
T-100HCG	JP-100 XLC	TB-120MFG	
T-100FBG	S-100-DUE	TB-130MFG	
TWV-3W-KIT-G	T-82-M	TB-150MFG	
TWV-3W-KIT-G1	T-203	175-LWN	

ONE YEAR LIMITED WARRANTY

Jomar Group warrants all other products, to be free of defects in workmanship or material for a period of one year from the date of shipment to you, our initial purchaser.

Should any failure to conform to these warranties appear within the stated period after the date of the initial shipment to our initial purchaser, Jomar Group will, upon written notification thereof and substantiation that the goods have been stored, installed, maintained and operated in accordance with Jomar Group's recommendations and standard industry practice, correct such defects by suitable repair or replacement at Jomar Group's own expense.

This warranty is exclusive and is in lieu of any implied warranty of merchantability, fitness for a particular purpose or other warranty of quality, whether expressed or implied, except the warranty of title and against patent infringement. Correction of non-conformities, in the manner and for the period of time provided above, shall constitute fulfillment of all liabilities of Jomar Group to our initial purchaser, with respect to the goods, whether based on contract, negligence, strict tort or otherwise. It is the intention of Jomar Group that no warranty of any kind, whether expressed or implied shall pass through our initial purchaser to any other person or corporation. Limitation of liability: Jomar Group shall not under any circumstances be liable for special or consequential damages such as, but not limited to, damages or to loss of other property or equipment, loss of profits or revenue, cost of capital, cost of purchased or replacement goods, or claims of customers of our initial purchaser. The remedies of our initial purchaser, and all others, set forth herein, are exclusive, and the liability of Jomar Group with respect to same shall not, except as expressly provided herein, exceed the price of the goods upon which such liability is based.

In the event that labor reimbursement is agreed upon due to defects in workmanship or material: Jomar Group will reference relevant published industry data to determine a reimbursement value, not to exceed \$75/man-hr and maximum assigned man-hrs per valve as published.

COMPETITOR CROSS REFERENCE

BALL VALVES	JOMAR	NIBCO	APOLLO	MILWAUKEE	WATTS	LEGEND	RED WHITE	MATCO-NORCA
	T-200CSSG	T-585-80-LF	77CLF-100	UPBA-400	LFB6090			
	S-200CSSG	S-585-80-LF	77CLF-200	UPBA-450	LFB6091			
	T-100CG		77FLF-100			T-1001NL	5044AB	759TLF
	S-100CG		77FLF-200			S-1001NL	5049AB	759SLF
	T-100CSSG	T-585-66-LF	77FLF-140	UPBA-400S	LFB6001			
	S-100CSSG	S-585-66-LF	77FLF-240	UPBA-450S	LFB6001			
	JP-100G	PC-FP600A-LF	77VLF/77WLF	UPBA-100 P2		P200NL	5020AB	759PLF
	JP-100SSG	PC-585-66-LF	77LWF-140	UPBA-100S			5020ABS	
	T-422G		EPXV		LFFBV-PEX-F1960	T-1960NL	3400RAB	754PXCSELF
	T-200CSS	T-585-70	70-100/77F-100/77G-UL	BA-400	B6000			
	S-200CSS	S-585-70	70-100/77-100	BA-150	B6081			
	T-100NE					T-1001	5044F	759T
	T-100SSE	T-585-70-66	70-140	BA-400S	B6000-SS		5544S	
	T-100SSS	T-585-70-66-ST	70-140-64W	BA-400S3				
	T-100FMN	MTT585-70	70-800	BA-100-M			5581	
	T-100STN		GB-50			T-1100	5060	754DTLF
	JP-100	PC-585-70	77W	BA-100 P2		P-200	5020	
	T-82M / T-83C		94 MBV			T-800/900	5080	755/759MF
	T-CS-1001N-SS	TC-580-CS-R-66-LL	73A-100	20CSOR-N1-LL	C-FBV-1	T-730	7770	25CS
	T-CS-1000N-SS-4B	T-595-CS-R-66-LL	83-100	30CSOF-02-LL				30CS
	T-SS-1001N	T-585-S6-R-66-LL	76F-100	20SSOR-N1-LL	S-FBV-1	T-712	4880	20SS
	T-SS-1000N-4B	T-595-S6-R-66-LL	86R-100	30SSOF-02-LL		T-717	4660	30SS

BALANCING VALVES	JOMAR	NIBCO	CALEFFI	BELL AND GOSSETT	IMI	VICTAULIC	ARMSTRONG	MACON	ACORN	THERMOMEGATECH
	RECIRCSETTER™ TB-120G			TEMPSETTER		THERM ZERO			TEMPFLOW	CS
	RECIRCSETTER™ TB-130G		THERMOSETTER							CSUTD
	RECIRCSETTER™ TB-150G		THERMOSETTER							
	TBG	T/S-1805	FLO-SET	CIRCUIT SETTER	UA ZERO		CBV-LF	MB		
	TGG-FNPT	T-1810-LF	FLO-SET	CIRCUIT SETTER		TA SERIES 790		STV LOW LEAD		
	TGG-SWT	S-1810-LF	FLO-SET	CIRCUIT SETTER				STVL LOW LEAD		
	TAF LEAD FREE	T/S-1880			ICSS LEAD FREE		ICSS	AL LOW LEAD		
	TB-FNPT	T-1805	FLO-SET	CIRCUIT SETTER	UA		CBV			
	TB-SWT	S-1805	FLO-SET	CIRCUIT SETTER	UA					
	TG-FNPT	T-1810	QUICKSETTER	CIRCUIT SETTER						
	TG-SWT	S-1810	QUICKSETTER	CIRCUIT SETTER						
	TG-FLANGED	F739		CIRCUIT SETTER	VF	TA SERIES 788	CBV-GS	VF		
	TG-GROOVED				VG	TA SERIES 789	CBV-FS	VG		

	JOMAR	NIBCO	APOLLO	MILWAUKEE	WATTS	LEGEND	RED WHITE	MATCO-NORCA
BUTTERFLY VALVES	BFV-LUG (E)	LD-2022	LD141	ML134E	BF-03	T-365SS	938DEML	B5LE
	BFV-LUG (B)	LD-2122	LD141	ML134B	BF-03	T-367SS	938DNML	B5LB
	BFV-LUG (P)							
	BFV-LUG (V)	LD-2222	LD141	ML234V	BF-03			
	BFV-WAFER (E)	WD-2022	WD141	MW134E	BF-04	T-335SS	937DEML	B5WE
	BFV-WAFER (B)	WD-2122	WD141	MW134B	BF-04	T-337SS	937SNML	B5WB
	BFV-WAFER (P)							
	BFV-WAFER (V)	WD-2222	WD141		BF-04			
	HPBFV-CS-150	G1L-CSS	215L	HP1LCS				
	HPBFV-SS-150	G1L-SSS	215L	HP1LSS				
	HPBFV-CS-300	G3L-CSS	230L	HP3LCS				
	HPBFV-SS-300	G3L-SSS	230L	HP3LSS				
GATE VALVES	T-351G	T-111-LF	101T-LF	UP148				512LF
	S-351G	S-111-LF	101S-LF	UP149				512LF
	T-301G	T-113-LF	102T-LF	UP667	LFWGV	T-401NL	267AB	514TLF
	S-301G	S-113-LF	102S-LF	UP668	LFWGV	S-401NL	268AB	514CLF
	T-301	TI-8	102T	105	WGV-X	T-401	267	514T
	S-301	SI-8	102S	115	LFWGV	S-401	268	514C
	F-351	F-619	610F	F-2882	405-NRS-RW	T-301	415	100F
	F-361	F-617-0	611F	F-2885	408-OSY-RW	T-303	421	105F
CHECK VALVES	T-511G	T-413-Y-LF	163T-LF			T-453NL	236AB	
	S-511G	S-413-Y-LF	163S-LF			S-453NL	237AB	
	T-521G	T-480-Y-LF	61LF-100	UP548T	LF600 / LF601	T-450NL	232AB	525TFL
	S-521G	S-480-Y-LF		UP1548T	LF601S	S-455NL	233AB	525CLF
	T-501G			UP509	LFWCV	T-451NL	246AB	521TLF
	S-501G			UP1509	LFWCVS	S-451NL	247AB	521CLF
	P-501G			UP969		P-451NL		
	T-511	T-413-Y	164T	515Y	CVY	T-453	236B	532T
	S-511	S-413-Y	161S	1509Y	CVYS	S-453		532C
	T-501	TI-3		509		T-451	246	521T
	S-501	SI-3		1509		S-451	247	521C
	T-550					T-750	884	60SS
	F-571	F-918-N	920F	F-2974	411	T-311	435	115F
	F-591	W-910-SS	910WB-LF	8800	ICV-125-2-2-T	T-312	442	CVC
	T-100FBG							
STRAINERS	T-651G	T221A	59-LF			T-15NL	380AB	145TLF
	S-651G	S221A	59LF-300			S-15NL	387AB	145CLF
	F-651	F-751-A	YCF		77F-DI-125	T-19	381	140F

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