

GWC Italia

Proven technology
for individual valve solutions
worldwide



**NEEDLE VALVES
GAUGE VALVES**

NGV-1002

GWC[®]

GWC Italia

Worldwide Network

ITALY GROUP HEADQUARTERS, PRODUCTION & SALES

GWC Italia, SpA
Via A. Grandi, 5
20056 Trezzo Sull'Adda
Milano, Italy
Phone: 39-02-86882941
Fax: 39-02-86882942
Email: sales@gwcitalia.com



California ●●

Italia ●●

U.A.E. ●

China ●●



USA HEADQUARTERS PRODUCTION & SALES

GWC USA, Inc.
8502 Crippen Street
Bakersfield, CA. 93313
ph: +1-661.834.1775
fax: +1-661.834.2072
Email: sales@gwcitalia-usa.com



SALES

GWC Valve & Controls DMCC,
Dubai
1506, Platinum Tower
I-Cluster,
Jumeirah Lake Towers
Dubai UAE
ph: +971-44.539.358
Email: sales@gwcitalia.com



PRODUCTION & SALES

GWC Valve Manufacturing
(Shanghai) Co., Ltd.
No 3600 Jihe Rd,
Huaxin Town,
Qingpu, Shanghai 201708,
China
ph: +86-21.597.987.99
fax: +86-21.597.987.90
Email: sales@gwcitalia.com

GWC Italia SpA with its Headquarters in Milan, Italy designs, manufacturers and markets valves with one of the most extensive lines you will find in the Industry today. GWC Italia SpA which is founded by an Italian Group & USA Entrepreneurial Management team, has become the Parent Company of the long standing GWC Worldwide Companies. This Italian & USA team has a history of building and managing successful valve manufacturing companies over the past 40 years. The valves manufactured in Italy will be complementary to the existing GWC line consisting of diversified flow control packages in a variety of alloys, trims, configurations, sizes and pressure classes, from general to severe applications. GWC Valves are used in major applications for Upstream, Downstream & Transportation Segments of the Oil & Gas Industry, E&P, Petrochemical, Chemical, Mining/Minerals, Power, Marine and Industrial markets.

GWC Italia SpA extensive line of valve and flow control products include:

- Trunnion Mounted Ball Valves (soft & metal seated)
 - Split Body
 - Top Entry
 - Welded Body
 - Subsea
 - Cryogenic & High Temperature
 - Two Balls One Body DBBV
- Pipeline Gate and Check Valves
- Floating Ball Valves
- Gate, Globe and Check Valves including Cast & Forged
- Butterfly Valves including Triple Offset, High Performance and Resilient Seated
- Dual Plate Check Valves
- Needle and Gauge Valves
- Wellhead Gate Valves

GWC Italia Spa products are designed, engineered and manufactured to exceed its customer's stringent process requirements including API 6D, API 6A, API 6DSS, API 600, API 602, API 608, ISO 9001, PED, ATEX, SIL 3 and TA – Luft.



**Proven technology
for individual valve solutions
worldwide**

CERTIFICATIONS & STANDARDS

American Standards

American Petroleum Institute

API-6D	Specification for Pipeline Valves
API-6D SS	Specification for Subsea Pipeline Valves
API-6A	Specification for Wellhead and Christmas Tree Equipment
API-6FA	Specification for Fire Test for Valves
API-594	Check Valves: Wafer, Wafer-Lug, and Double Flanged Type
API-598	Valve Inspection and Testing
API-600	Bolted Bonnet Steel Gate Valves for Petroleum and Natural Gas Industries
API-602	Compact Steel Gate Valves- Flanged, Threaded, Welding and Extended-Body Ends
API-607	Fire Test for Soft-Seated Quarter-Turn Valves
API-608	Metal Ball Valves - Flanged, Threaded, and Welding End
API-609	Butterfly Valves: Double Flanged, Lug and Wafer-Type
API-Q1	Specification for Quality Programs for the Petroleum, Petrochemical & Natural Gas

American Society of Mechanical Engineers

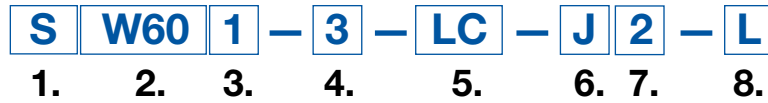
ASME-B1.20.1	Pipe Threads, General Purpose (inch)
ASME-B16.11	Forged Fittings, Socket-Welding and Threaded
ASME-B16.10	Face to Face and End to End Dimensions of Valves
ASME-B16.5	Pipe Flanges and Flanged Fittings NPS 1/2 ~ NPS 24
ASME-B16.47	Large Diameter Steel Flanges NPS 26 ~ NPS 60
ASME-B16.25	Buttwelding Ends
ASME-B16.34	Valves - Flanged, Threaded and Welding End

International Standards

ISO 9001:2008	Quality Management Systems
ISO 14001	Environmental Management
OHSAS 18001:2007	Occupational Health and Safety Management System
ISO/TS 29001	Petroleum, Petrochemical and Natural Gas Industries - Sector Specific Quality Management Systems
CE/PED	Pressure Equipment Directive
CU-TR	Technical Reglament Conformity Certificate TRCU
CRN	Canadian Registration Number
Z245.15.96	Pipeline Steel Valves
ATEX	European for explosive atmosphere
SIL3	Measurement of performance required for safety instrument function

ORDERING GUIDE

Example: 1/2” SW601-3-LC-J2-L



1/2” 6,000 PSI NEEDLE VALVE, FNPT, CF8M BODY x 316SS TRIM,
DELTRIN SEAT, VITON B STEM SEAL, NACE, LEVER OP.

1. MODEL

S - NEEDLE VALVE SG - GAUGE VALVE

2. RATING

W60 - 6,000 WOG W100 - 10,000 WOG

3. END CONNECTION

1 - SCREWED	5 - 1 SCREWED MALE x 3 SCREWED FEMALE
4 - SCREWED FEMALE x SCREWED MALE	X - SPECIAL

4. TYPE

3 - STANDARD

5. MATERIAL (BODY + TRIM)

LC - CF8M + 316	SF - 1017 + 316
LF - F316 + 316	X - SPECIAL

6. MATERIAL (SEAT)

J - DELTRIN	M - METAL	X - SPECIAL
-------------	-----------	-------------

7. MATERIAL (O-RING SEAL)

1 - HNBR	2 - VITON B	X - SPECIAL
----------	-------------	-------------

8. OPERATOR

L - HANDWHEEL OPERATOR

9. SPECIAL REQUIREMENTS

S - SUPPLY COMPLETE INFORMATION

NEEDLE VALVES

MODEL SW601

Construction: Heavy duty body, precision threaded bonnet with bonnet locking pin, metal to metal back seat, O-ring stem seal, Delrin replaceable soft seat.

End to End: GWC Standard Female x Female

End Threads: ASME B1.20.1

Rating: 6000 WOG

****NACE MR-01-75 Certified****
(For CF8M body only)



STANDARD MATERIALS

Figure Number	SSW601-3-SF-J1-L	SW601-3-LC-J1-L
Body	1017	A351 CF8M
Stem	316SS	316SS
Seat	Delrin	Delrin
O-Ring	HNBR	HNBR

6000 WOG

Valve Size	1/4" 8mm	1/2" 15mm	3/4" 20mm	1" 25mm
Bore Size	0.25	0.25	0.38	0.38
End to End	2.88	2.88	4.25	4.25
Centerline to End	1.44	1.44	2.13	2.13
Height at Close Pos.	3.63	3.63	4.96	4.96
Open Travel	0.38	0.38	0.35	0.35
Approx. Weight (lbs.)	1.36	1.19	2.39	2.38

DIMENSIONS IN INCHES

MODEL SW1001

Construction: Heavy duty body, precision threaded bonnet with bonnet locking pin, metal to metal back seat, O-ring stem seal, metal to metal stem seat.

End to End: GWC Standard Female x Female

End Threads: ASME B1.20.1

Rating: 10000 WOG

****NACE MR-01-75 Certified****
(For CF8M body only)



STANDARD MATERIALS

Figure Number	SW1001-3-SF-M1-L	SW1001-3-LC-M1-L
Body	1017	A351 CF8M
Stem	316SS	316SS
Seat	Metal	Metal
O-Ring	HNBR	HNBR

10000 WOG

Valve Size	1/4" 8mm	1/2" 15mm
Bore Size	0.25	0.25
End to End	2.88	2.88
Centerline to End	1.44	1.44
Height at Close Pos.	3.63	3.63
Open Travel	0.38	0.38
Approx. Weight (lbs.)	1.36	1.19

DIMENSIONS IN INCHES

NEEDLE VALVES

MODEL SW604



Construction: Heavy duty body, precision threaded bonnet with bonnet locking pin, metal to metal back seat, O-ring stem seal, Delrin replaceable soft seat.

End to End: GWC Standard Male x Female

End Threads: ASME B1.20.1

Rating: 6000 WOG

****NACE MR-01-75 Certified****
(For CF8M body only)

STANDARD MATERIALS

Figure Number	SW604-3-SF-J1-L	SW604-3-LC-J1-L
Body	1017	A351 CF8M
Stem	316SS	316SS
Seat	Delrin	Delrin
O-Ring	HNBR	HNBR

6000 WOG

Valve Size	1/4" 8mm	1/2" 15mm	3/4" 20mm	1" 25mm
Bore Size	0.25	0.25	0.44	0.44
End to End	3.25	3.38	5.50	5.50
Centerline to End	1.44	1.44	2.13	2.13
Height at Close Pos.	3.63	3.63	4.76	4.76
Open Travel	0.38	0.38	0.55	0.55
Approx. Weight (lbs.)	1.28	1.28	2.39	2.38

DIMENSIONS IN INCHES

MODEL SW1004



Construction: Heavy duty body, precision threaded bonnet with bonnet locking pin, metal to metal back seat, O-ring stem seal, metal to metal stem seat.

End to End: GWC Standard Male x Female

End Threads: ASME B1.20.1

Rating: 10000 WOG

****NACE MR-01-75 Certified****
(For CF8M body only)

STANDARD MATERIALS

Figure Number	SW1004-3-SF-M1-L	SW1004-3-LC-M1-L
Body	1017	A351 CF8M
Stem	316SS	316SS
Seat	Metal	Metal
O-Ring	HNBR	HNBR

10000 WOG

Valve Size	1/4" 8mm	1/2" 15mm
Bore Size	0.25	0.25
End to End	2.88	2.88
Centerline to End	1.44	1.44
Height at Close Pos.	3.63	3.63
Open Travel	0.38	0.38
Approx. Weight (lbs.)	1.36	1.19

DIMENSIONS IN INCHES

GAUGE VALVES

MODEL SGW605

Construction: Oversized barstock body, precision threaded bonnet with bonnet locking pin, metal to metal back seat, O-ring stem seal, Delrin replaceable soft seat.

End to End: GWC Standard
End Threads: ASME B1.20.1
Rating: 6000 WOG



****NACE MR-01-75 Certified****
 (For Model SGW605-3-LC-N-L)

STANDARD MATERIALS

Figure Number	SGW605-3-SF-J1-L	SGW605-3-LC-J1-L
Body	1017	A351 CF8M
Stem	316SS	316SS
Seat	Delrin	Delrin
O-Ring	HNBR	HNBR

6000 WOG

Valve Size	1/2" 15mm
Bore Size	0.25
End to End	5.63
Centerline to End	2.38
Height at Close Pos.	3.63
Open Travel	0.38
Approx. Weight (lbs.)	2.29

DIMENSIONS IN INCHES

MODEL SGW1005

Construction: Oversized barstock body, precision threaded bonnet with bonnet locking pin, metal to metal back seat, O-ring stem seal, metal to metal stem seat.

End to End: GWC Standard
End Threads: ASME B1.20.1
Rating: 10000 WOG



****NACE MR-01-75 Certified****
 (For Model SGW1005-3-LC-M-L)

STANDARD MATERIALS

Figure Number	SGW1005-3-SF-M1-L	SGW1005-3-LC-M1-L
Body	1017	A351 CF8M
Stem	316SS	316SS
Seat	Metal	Metal
O-Ring	HNBR	HNBR

10000 WOG

Valve Size	1/2" 15mm
Bore Size	0.25
End to End	5.63
Centerline to End	2.38
Height at Close Pos.	3.63
Open Travel	0.38
Approx. Weight (lbs.)	2.29

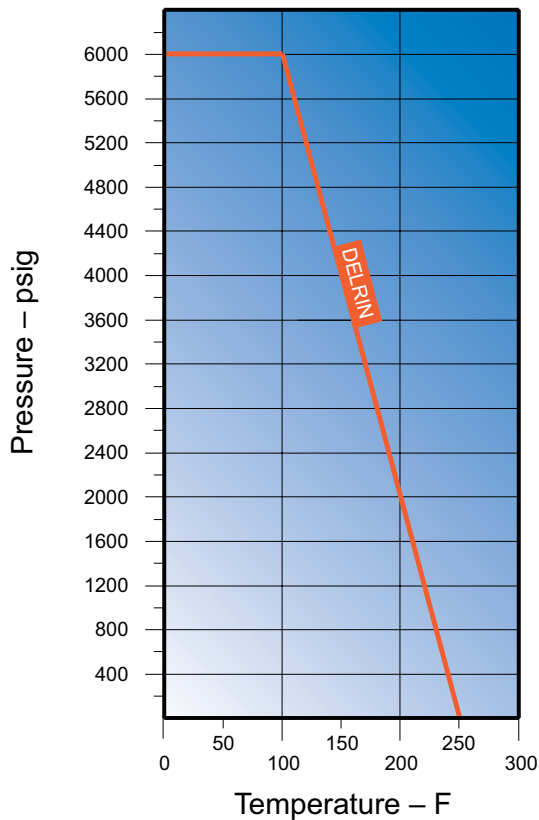
DIMENSIONS IN INCHES

PRESSURE / TEMPERATURE CHART

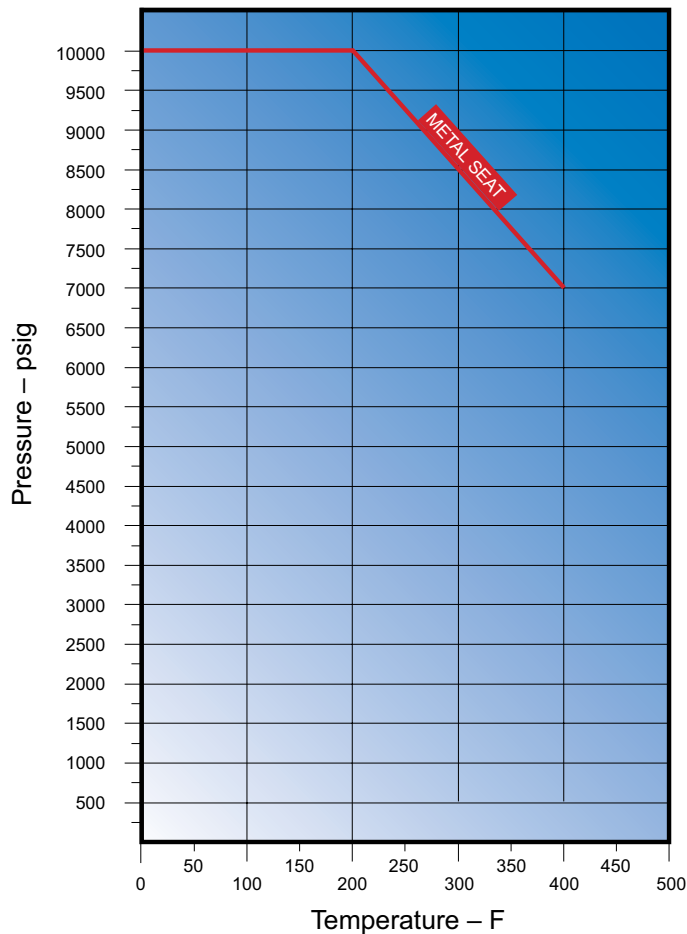
MODEL SW NEEDLE VALVE & SGW GAUGE VALVE

The following chart indicates the pressure and temperature ratings for commonly used seat and seal material used in GWC 6,000 and 10,000 WOG needle and gauge valves. Other materials are available upon request.

*SW601, SW604, SGW605
RATING 6000 PSI WOG*



*SW1001, SW1004, SGW1005
RATING 10000 PSI WOG*





**WORLDWIDE
HEADQUARTERS
GWC Italia SpA**

Via A. Grandi, 5
20056 Trezzo Sull'Adda
Milano, Italy
ph: 39-02-86882941
fax: 39-02-86882942

**USA HEADQUARTERS
GWC USA, Inc.**

4301 Yeager Way
Bakersfield,
California 93313 - USA
ph: 661-834-1775
fax: 661-834-2072

www.gwcitalia.com