Oilfield Solutions
Valves, Fittings, & Flow Lines
CNC Flow Control

CNC Flow Control, was founded in 2017 but is new only in name. This single business entity was forged from the union of The Newdell Company (2000) and C&C Industries (2005). Today, CNC Flow Control continues to offer the same trusted brands including Smith, C&C, Diamond Gear, Econ and Force. Our experienced team has an aggressive strategy to provide complimentary products to currently served markets, increase our service levels and establish ourselves as your single source provider for valve and flow control solutions.
**Instrument Valves**

- **Needle Valves**
  - Sizes: 1/4" – 1"
  - Pressures: 6,000 and 10,000 PSI
  - NSCWP
  - Carbon, Stainless Steel
  - MXF, FXF

- **Mini Needle Valves**
  - Sizes: 1/4"
  - Pressures: 6,000 PSI
  - NSCWP
  - Carbon, Stainless Steel
  - Tee, Round Handle
  - MXF, FXF

- **Angle Needle Valve**
  - Sizes: 1/4" – 1"
  - Pressures: 6,000 and 10,000 PSI
  - NSCWP
  - Carbon, Stainless Steel
  - MXF, FXF

- **Inline Check Valve**
  - Sizes: 1/4" – 1"
  - Pressures: 6,000 PSI
  - NSCWP
  - Carbon, Stainless Steel
  - MXF, FXF

**Check Valves**

- **Guardian Series Non-Slam Piston Check Valve**
  - Sizes: 2" – 12"
  - ASME 150 – 1500
  - Carbon or Stainless
  - API 60, NACE MR0175, PED 2014/68/EU, CSA Z245.15-17

- **CVA Series Swing Check Valve**
  - Sizes: 2" – 12"
  - Full Open – Piggable
  - NACE MR0175, API 6D
  - Fire Safe Design, CSA Z245.15-17

- **Cast Steel Check Valve**
  - Sizes: 2" – 12"
  - ANSI 150 – 600
  - *Larger sizes and other ANSI classes available upon request

- **Ductile Iron Check Valve**
  - Sizes: 3" – 4"
  - Pressure: 300 – 2,000 PSI
  - NSCWP
  - NACE MR0175

- **WCB Check Valve**
  - Sizes: 3" – 2"
  - Pressure: 2,160 – 3,600 PSI
  - Sizes: 3" – 2"
  - Pressure: 5,000 PSI
  - Sizes: 3"
  - Pressure: 3,000 PSI
  - NSCWP
  - *Pressures vary per size
  - NACE MR0175

- **200# Brass Swing Check Valve**
  - Metal Seated
  - Sizes: 3/8" – 4"
  - 200 PSI NSCWP

- **300# Brass Swing Check Valve**
  - O-Ring Style
  - Sizes: 3/4" – 4"
  - 300 PSI NSCWP

- **Hammer Union Check Valve**
  - Sizes: 1"
  - 6,000 PSI NSCWP
  - BOP Lines

- **Grooved-End Brass Check Valve**
  - O-Ring Style
  - Sizes: 2" – 4"
  - 300 PSI NSCWP

- **Inline Check Valve**
  - Sizes: 1/8" – 1"
  - 6,000 PSI NSCWP
  - Stainless Steel

**Miscellaneous**

- **Cast Steel Flanged Gate Valve**
  - Sizes: 2" – 14"
  - ANSI 150 – 600
  - API 600
  - *Other sizes available upon request

- **Brass Gate Valve**
  - Sizes: 3/4" – 4"
  - 200 PSI NSCWP
  - Threaded Ends

- **Quick-Open Brass Gate Valve**
  - Quick Lever Style
  - Sizes: 2" – 6"
  - 230 PSI NSCWP
  - Threaded Ends
**Brass Ball Valve**
Sizes: 1/4” – 4”, Full Port
Pressure: 600 PSI NSCWP
Threaded Ends

**Heavy Duty Brass Ball Valve**
Sizes: 1” – 4”, Full Port
Pressure: 600 PSI NSCWP
Threaded Ends, Locking Handle

**1-Piece Barstock Ball Valve**
Sizes: 1/4” – 2”, Reduced Port
Pressure: 2,000 PSI NSCWP
Threaded Ends, NACE MR0175

**2-Piece WCB Ball Valve**
Sizes: Full Port
1/4” – 2” @ 2,000 PSI NSCWP
2-1/2” – 4” @ 2,000 PSI NSCWP
Threaded FNPT Ends, Locking Handle, NACE MR0175

**3-Piece 1000# WCB Ball Valve**
Sizes: 1/4” – 4”, Full Port
Pressure: 1,000 PSI NSCWP
Available in WCB or Full Stainless
Threaded FNPT Ends, Locking Handle, NACE MR0175

**3-Piece 2000# WCB Ball Valve**
Sizes: 1/4” – 1”, Full Port, WCB
1/2” – 2”, Full Port, A105
Pressure: 2,000 PSI NSCWP
All Sizes Available in Full Stainless
Threaded FNPT Ends, Locking Handle, NACE MR0175

**2-Piece 3000# Ball Valve**
Sizes: 1/4” – 2”, Full Port
Pressure: @ 3,000 PSI NSCWP
Available in WCB or Full Stainless
Threaded FNPT Ends, Locking Handle, NACE MR0175

**6000# Threaded Ball Valve**
Sizes: 1/4” – 2”, Full Port and 2”, Reduced Port
Pressure: 6,000 PSI NSCWP
Available in WCB or Full Stainless
Threaded FNPT Ends, Locking Handle, NACE MR0175

**1000# Stainless Steel Ball Valve**
Sizes: 1/4” – 2”, Reduced Port
Pressure: 1,000 PSI NSCWP
Threaded Ends, Locking Handle, NACE MR0175

**Full-Port Stainless Steel Ball Valve**
Seal Welded, 2-Piece Design
Sizes: 1/4” – 2”, Full Port @ 2,000 PSI NSCWP
2-1/2” – 4”, Full Port @ 1,000 PSI NSCWP
Threaded Ends, Locking Handle, NACE MR0175

**Tank Valve**
Sizes: 2”, 3”, Full Port
2” – 4”, Reduced Port; 2” – 4”, Vented Ball
Pressure: 1,000 PSI NSCWP
Locking Handle, Standard/NACE MR0175
*Available with vented ball

**1500# Oilfield Ball Valve**
Sizes: 2” @ 1,500 PSI NSCWP
Threaded Ends, Standard/NACE MR0175

**2000# Oilfield Ball Valve**
Sizes: 3/4” – 4”, Full Port
1”, 2”, 4”, Reduced Port
Pressure: 2,000 PSI NSCWP
Threaded Ends, Standard / NACE MR0175

**3000# Oilfield Ball Valve**
Sizes: 1”, 2”, 3”, Full Port
2”, Reduced Port
Pressure: 3,000 PSI NSCWP
Threaded Ends, Locking Handle, Standard / NACE MR0175

**5000# Oilfield Ball Valve**
Sizes: 1”, Full Port
2”, Reduced Port
Pressure: 5,000 PSI NSCWP
Threaded Ends, Locking Handle, NACE MR0175

**EUE Ball Valve**
Sizes: 2” - 3/8”, 2-7/8”, Full Port
Pressure: 3,000 PSI NSCWP
8 Round Threaded Ends
NACE MR0175

**Grooved & Threaded Ball Valve**
Sizes: 2” – 4”, Reduced Port
@ 1,000 PSI NSCWP
6”, Reduced Port @ 500 PSI
Grooved Ends

**Isolator Valve**
Sizes: 1” × 1/4” and 2” × 1/4”
Pressures: 2,000 and 1,500 PSI NSCWP
Available in WCB or CF8M
NACE MR0175

**Trident Series Trunnion Ball Valve**
3-Piece Forged Design
Sizes: 2” – 16”, Full and Reduced Port
ASME 150 – 2500
Carbon and Stainless
API 6D, API 607 Fire Safe, NACE MR0175, PED 2014/68/EU, CSA Z245.15-17

**Atlas Series Trunnion Ball Valve**
Sizes: 2” – 16”, Full and Reduced Port
ASME 150 – 150
Carbon and Stainless
WCB/LCC & CF8M
API 6D, API 607, NACE MR0175
PED 2014/68/EU, CSA Z245.15-17

**Force BU Series Floating Ball Valve**
Unibody Design
Sizes: 2” – 10”, Reduced Port
ANSI 150 – 300
Carbon and Stainless
NACE MR0175 API 6D, API 607

**Force BF Series Floating Ball Valve**
2-Piece Body
Sizes: 1/2” – 8”, Full and Reduced Port
ANSI 150 – 2500
Carbon or Stainless
NACE MR0175 API 6D, API 607

**Force BTN Series Trunnion Ball Valve**
2-Piece Body
Sizes: 2” – 48”, Full and Reduced Port
ANSI 150 – 2500
Carbon or Stainless
NACE MR0175 API 6D, API 607
Butterfly Valves

**C200 Series**
- **Wafer Butterfly Valve**
  - Sizes: 2” – 24”
  - Features 4 Alignment Holes, Pinless Disc
  - Lever or Gear Operated
  - *larger sizes available upon request

**C200 Series**
- **Lug Style Butterfly Valve**
  - Sizes: 2” – 24”
  - Pinless Disc
  - Lever or Gear Operated
  - *larger sizes available upon request

**LG200 Series**
- **Lug Style Butterfly Valve**
  - Sizes: 2” – 12”
  - Pinless Disc
  - Lever or Gear Operated
  - *larger sizes available upon request

**LN200 Series**
- **Wafer Butterfly Valve**
  - Sizes: 2” – 12”
  - Features short neck and notches for alignment
  - Pinless Disc
  - Available with Double D Stem or Square Stem
  - Lever or Gear Operated

**LN200 6BT Series**
- **Wafer Butterfly Valve**
  - 6-Bolt Pattern, Square Stem
  - Sizes: 4” and 5”
  - Features short neck and notches for alignment
  - Pinless Disc, Square Stem
  - Lever or Gear Operated

**BW200 Series**
- **Split Body Wafer Style Butterfly Valve**
  - Sizes: 2” – 12”
  - Features Teflon Coated Disc and Seat
  - Pinless Disc
  - Lever or Gear Operated

**BW200 Series**
- **Split Body Lug Style Butterfly Valve**
  - Sizes: 4”
  - Features Teflon Coated Disc and Seat
  - Pinless Disc
  - Lever or Gear Operated

**T200 Series**
- **Threaded Body Style Butterfly Valve**
  - Sizes: 2” – 6”
  - Lever Operated

**G200 Series**
- **Grooved End Butterfly Valve**
  - Sizes: 2” – 8”
  - Lever or Gear Operated

**Butterfly Valve Accessories**

**Lever Operators**
- Sizes: 2” – 12”
- 10-position Handle
- Available for Double D or Square Stem

**Gear Operators**
- Direct Mount
- Sizes: 2” – 24”
- *larger sizes available upon request

**Locking Handle**
- Sizes: 2” – 12”
- 10-position Handle
- *featured handle with locking plate

**Stem Extension**
- Sizes: 2” – 18”
- Lengths: 24” – 72”
- *other lengths available upon request

**Pneumatic Double Acting Actuator**
- Sizes: 2” – 12”
- 14” – 24” available upon request

**Pneumatic Spring Return Actuator**
- Sizes: 2” – 12”
- 14” – 24” available upon request
Plug Valves

2x1 and 1x1 Integral Plug Valve
Low Torque – Bottom Entry
15,000 PSI NSCWP
1” and 2” 1502 Connections
Standard Service

2x2 1502 Integral Plug Valve
Low Torque – Bottom Entry
15,000 PSI NSCWP
2” 1502 Connections
Standard Service

2x2 Threaded Plug Valve
Low Torque – Bottom Entry
De-rated to 10,000 PSI NSCWP
2” 1502 Connections
Standard Service –
2” Line Pipe Threads

3x3 1502 Integral Plug Valve
Low Torque – Bottom Entry
15,000 PSI NSCWP
3” 1502 Connections
Manual or Gear Operated
Standard Service

Flow Line Products

Manifolds

4-Valve Manifold System
Customized to your application Standard Service

5-Valve Manifold
Customized to your application Standard Service

9-Valve Manifold System
Customized to your application Standard Service

Pup Joints

1502 NPST Pup Joints
Sizes: 2” – 3”
Lengths: 2’ – 20’
15,000 PSI NSCWP
Standard or Sour Service
*De-rated with sour service
also available in 602 and 1002, 2” – 4”

1502 Integral Pup Joints
Sizes: 2”
Lengths: 2’ – 12’
15,000 PSI NSCWP
Standard or Sour Service
*De-rated with sour service

1502 NACE Pup Joints
Sizes: 2” – 3”
Lengths: 1’ – 10’
Style: Integral or NPST
*Available upon request

Code Silver Swivel Joints

Code Silver Swivel Joint
Sizes Available:
Style 50 – 1-1/2” and 2”
6,000 PSI NSCWP

Code Silver Swivel Joint
Size Available:
Style 20 – 2”
6,000 PSI NSCWP
Flow Line Products

**Integral Fittings**

**Figure 1502 Straight Ells**
Sizes: 2" and 3"
15,000 PSI NSCWP
M x F
Available in reverse

**Figure 1502 Cushion Ells**
Sizes: 2" and 3"
15,000 PSI NSCWP

**Figure 1502 Double Cushion Ells**
Sizes: 2" and 3"
15,000 PSI NSCWP

**M x M x F Figure 1502 Tee**
Sizes: 2" and 3"
15,000 PSI NSCWP

**M x F x F Figure 1502 Tee**
Sizes: 2" and 3"
15,000 PSI NSCWP

**F x M x F Figure 1502 Tee**
Sizes: 1/4" – 4;
Full Port
Pressures: 1,000 PSI NSCWP
Available in WCB or Full Stainless
Threaded FNPT Ends, Locking Handle,
NACE Compliant

**M x F x M Figure 1502 Tee**
Sizes: 2" and 3"
15,000 PSI NSCWP

**Figure 1502 Cross**
Sizes: 2" and 3"
15,000 PSI NSCWP
FxMxM, FxFxFxF
*Other configurations available upon request

**Adapters**

**Integral Male and Female Plug**
Sizes: 2" – 4"
Figure 1502
*4" is a figure 1002
Available with taps

**Integral Crossover**
Sizes: 1" – 6"
Male x NPT Thread
*Other configurations available

**Integral Union Crossover**
Sizes: 3" – 4"
Female x Female
*Other configurations available

**Flange Adapter**
Flange x Thread
Sizes:
4 Fig 200 Fem X 4 125 Flange
4 Fig 200 Fem X 4 150 Flange

**Integral Union Swage**
Sizes: 2" – 4"
Figures: 1502, 1002, 1502
Configurations: Various

**Integral Male Union Swage**
Sizes: 2" – 4"
Figures: 602, 1002, 1502
Configurations: Various

**Red Iron Products**

**Code Red Swivel Joint**
Style 10
Sizes: 2" and 3"
MxF, MxF
15,000 PSI NSCWP

**Code Red Swivel Joint**
Style 50
Sizes: 2" and 3"
MxF
15,000 PSI NSCWP

**Positive Choke Valve**
Sizes: 2" 1502
15,000 PSI NSCWP

**Adjustable Choke Valve**
Sizes: 2" 1502
15,000 PSI NSCWP

**Accessories**

**Plug Valve Repair Kit**
For all C&C Plug Valves
Kit Includes: Seal Kit, Insert Set
and Plug
*parts are also available for
individual purchase

**Choke Replacements**
Choke Stems –
Fully lined Carbide Seats
Seals & Gaskets

T Gasket
Sizes: 1" – 10"
Buna or Viton

O-Ring, Seal Ring and Metal-backed Seal Ring

Sleeve Coupling Gasket
Sizes: 1" – 12"
Buna or Viton

Spiral-Wound Gaskets
Sizes: 1/2" – 24"
ANSI 150 - 1500

Fittings & Connections

Swage Nipples
Sizes: 1/8" – 8"
Thickness: STD, XH and XXH
End Connections: TBE, THD x BEV
MSS-SP-95

Sleeve Couplings
Diameters: 2" – 16"
Lengths: 5" – 24"
Materials: Buna
*Viton and EPDM available upon request—lengths vary per diameter
*replacement parts available

Bull Plugs
Sizes: 1/4" – 8"
Thickness: STD, XH, XXH
Threaded
Zinc Plated
Available with Taps
MSS-SP-95

Expansion Joints
Sizes: 2" – 12"
150# Flange x Flange
Materials: Buna (Nitrile), EPDM or Viton
*other sizes available upon request

Pipe Nipples
Sizes: 1/8" – 4"
Schedules: 40, 80 (XH), XXH

Flange Adapter
Flange x Thread
Sizes:
4 Fig 200 Fem X 4 125 Flange
4 Fig 200 Fem X 4 150 Flange
Valve Quality Development Team (VQDT)

Our Valve Quality Development Team (VQDT) is comprised of industry leaders and valve experts working together to share their expertise and best practices in order to make certain that only the highest quality products and most reliable solutions go to market. Before the decision is made to brand a product, our Valve Quality Development Team conducts comprehensive manufacturer's audits and inspections on both the product and the manufacturer’s production process. These stringent audits and inspections ensure the manufacturer’s ability to produce and provide products of consistent quality demanded by our customers and in accordance with documented procedures. Once manufacturers are qualified, the VQDT performs onsite witnessing and inspections of the product prior to releasing it for shipment. This added capability and oversight differentiates us from others. Reports providing proof of quality and testing are available to our customers with additional tests provided upon request.

- Modifications/Changes
- Positive Material Identification
- Material Test Reports
- Dye Penetrant Testing
- Quality and Technical Documentation
- Supplementary Testing per Customer Requirements
- Welding Capabilities Inspection & Testing
Full Service Valve Repair & Modification Shop

**CNC Flow Control's** full service in house modification shop specializes in precision machining, welding, and industrial valve modification and testing. Located at the manufacturing facility in Houston, TX, the specialized shop includes a team of experienced machinists along with certified welders and valve fitters who use calibrated, state-of-the-art equipment to ensure an outstanding finished product and exceptional service. *For more information or specific questions on how the shop can assist you, call 713-590-1312.*

- Modifications/Changes
- Installs
- Welding Capabilities
- Inspection & Testing