



Material Grades

CARBON STEEL

- A105N/WCB
- LF2/LCC/LCB

STAINLESS

- 304/304L
- 316/316L
- 317L
- 321/321H
- 347/347H

NICKEL ALLOYS

- ALLOY 20
- ALLOY 400/MONEL
- ALLOY 625
- ALLOY 825
- ALLOY C276

DUPLEX

- ALLOY 2205
- ALLOY 2507

CHROME

- F5/C5
- F9/C12
- F11/WC6
- C12/C12A



HF/SULFURIC ALKYLATION

Gate, Globe, Check, TOV & Plug Valves

Carbon x Monel | Monel x Monel
Alloy 20

Material	Size Range	Pressure Class
GGC Forged Steel	1/2" - 2"	800/1500
GGC Cast Steel	2" - 24"	150/300/600
TOV (Butterfly)	2" - 24"	150/300/600
Plug Valves	1/2" - 24"	300/600

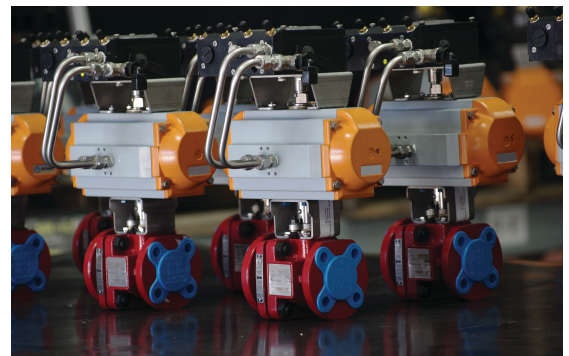


AUTOMATION

Sunbelt Supply Co. carries one of the most comprehensive valve automation products and accessory inventories in the world.

Automation Centers in 14 branches with in-house:

- CAD design and drawings
- CNC machines and assembly shops
- Field service and valve actuator repair retrofits
- Automation Repair/Licensed Electricians
- Solidworks automation software/system for all mounting hardware components
- Individual serialization of all automation package components and hardware
- ESD Solutions



TURN AROUND SERVICES

- TAR Evaluation, Pre-Planning & Budgeting Assistance
- Complete Unit Turnaround Valve Management
- Complete Automated Valve Services and Repair
- Field Service & Valve Actuator Retrofits
- Automation and Valve Reliability Solutions



Severe Service Applications (Coker/FCCU)

- Proven performance in Refining Isolation applications
- Sunbelt Supply stocks proven manufacturers that can handle large Pressure and Temperature swings that resist thermal expansion and contraction while maintaining functionality and resist structural failure.
- Specialized Materials that resist abrasion and corrosion effectively.
- Offerings to increase reliability and service life of valves

Hydrocarbon Handling - Hydrogen Isolation - Coker Isolation - FCCU Isolation

API 600 TRIM NUMBER CHART

Trim #	Material	Seat	Disc	Backseat	Stem
1	410 (OBSOLETE)	410	410	410/420	410/420
2	304	304	304	304	304
3	F310	310	310	310	310
4	Hard 410	Hard 410	Hard 410	410/420	410/420
5	Hardfaced	Hardfaced	Hardfaced	410/420	410/420
5A	Hardfaced	Ni-Cr	Ni-Cr	410/420	410/420
6	410 & Cu-Ni	Cu-Ni	410	410/420	410/420
7	410 & Hard 410	Hard 410	Hard 410	410/420	410/420
8	410 & Hardfaced	Hardfaced	410	410/420	410/420
8A	410 & Hardfaced	Ni-Cr	410	410/420	410/420
9	Monel	Monel	Monel	Monel	Monel
10	316	316	316	316	316
11	Monel & Hardfaced	Hardfaced	Monel	Monel	Monel
12	316 & Hardfaced	Hardfaced	316	316	316
13	Alloy 20	Alloy 20	Alloy 20	Alloy 20	Alloy 20
14	Alloy 20 & Hardfaced	Hardfaced	Alloy 20	Alloy 20	Alloy 20
15	304 & Hardfaced	Hardfaced	Hardfaced	304	304
16	316 & Hardfaced	Hardfaced	Hardfaced	316	316
17	347 & Hardfaced	Hardfaced	Hardfaced	347	347
18	Alloy 20 & Hardfaced	Hardfaced	Hardfaced	Alloy 20	Alloy 20

ASTM CROSS-REFERENCE MATERIAL

Material	Forgings	Castings
Carbon Steel	A105, A105N	A216-WCB, WCC
Low-Temp Carbon Service	A350-LF2	A352-LCB
1-1/4Cr-1/2Mo Alloy Steel	A182-F11	A217-WC6
1-1/4Cr-1/2Mo-Vd Alloy Steel		A389-C23
2-1/4Cr-1/2Mo-Vd Alloy Steel	A182-F22	A217-WC9
5Cr-1/2Mo Alloy Steel	A182-F5, F5A	A217-C5
9Cr-1 Mo Alloy Steel	A182-F9	A217-C12
13Cr Alloy Steel	A182-F6	A351-CA15
Type 304 Stainless Steel	A182-F304	A351-CF8, CF8A
Low Carbon Stainless Steel	A182-F304L	A351-CF3, CF3A
High Temp Stainless Steel	A182-F304H	A351-CF10
Type 310 Stainless Steel	A182-F310	A743-CK20
Type 316 Stainless Steel	A182-F316	A351-CF8M
Low Carbon Stainless Steel	A182-F316L	A351-CF3M
High Temp Stainless Steel	A182-F316H	A351-CF10M
Type 317 Stainless Steel	A182-F317	A351-CG8M
Type 321 Stainless Steel	A182-F321	
High Temp Stainless Steel	A182-F321H	
Type 347 Stainless Steel	A182-F347	A351-CF8C
High Temp Stainless Steel	A182-F347H	A351-CF8C
Alloy 20	B462-UNS N08020	A351-CN7M
Alloy 400/Monel	A564-UNS N04400	A494-M35-1
Inconel 625	A564-UNS N06625	A494-CW6MC
Inconel 825	A564-UNS N08825	A494-CU5MCCu
Hastelloy C276	A564-UNS N10276	A995-CW12MW
Duplex 2205	A182-F51	A995-CD3MN (4A)
Duplex 2507	A182-F55	A995-CD3MWCuN(6A)

CARBON STEEL ASME CLASS

CLASS 150#	285 PSI @ 100° F
CLASS 300#	740 PSI @ 100° F
CLASS 600#	1480 PSI @ 100° F
CLASS 800# (Intermediate Class)	1975 PSI @ 100° F
CLASS 900#	2220 PSI @ 100° F
CLASS 1500#	3705 PSI @ 100° F
CLASS 1690# (Limited Class)	4225 PSI @ 100° F
CLASS 2500#	6170 PSI @ 100° F
CLASS 2680# (Limited Class)	6700 PSI @ 100° F
CLASS 4500#	11,110 PSI @ 100° F



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