



alloy valves



Alloy Valves

Xanik specializes in manufacturing Special Alloy Valves to customer specifications.

We have a flexible system that allows us to manufacture these valves in small and large quantities, with very short lead times.

The valves are manufactured in special materials consisting of austenitic and superaustenitic stainless steels, duplex and superduplex stainless steels, nickel alloys, and other special alloys.

The oil refineries, petrochemical and chemical plants require High Alloy Valves for:

- Corrosive Products
- Abrasive liquids
- High pressure
- High and low temperatures

Product line:

- Bolted Bonnet
- Pressure Seal
- Welded Bonnet

Valves type:

- Gate
- Globe
- Swing Check
- Lift Check
- Stop Check
- Tilting Disc Check



Material Range:

Austenitic and Superaustenitic, Duplex, Superduplex, 6 Mo, Monel, Inconel, Incoloy, Hastelloy, Titanium, Zirconium

Size range:

Class 150 1/2" to 54"	Class 900 1/2" to 24"
Class 300 1/2" to 36"	Class 1500 1/2" to 24"
Class 600 1/2" to 30"	Class 2500 1/2" to 24"
Class 800 1/2" to 2"	Class 4500 1/2" to 6"

Body Materials

Material	Product form								
	Forgings			Castings			Bars		
Comercial Name	MATERIAL No.	Spec. No.	Grade	MATERIAL No.	Spec. No.	Grade	MATERIAL No.	Spec. No.	Grade
304 Standard	304	A182	F304	CF8	A351	CF8	304	A479	304
304 High Temp. Service	04H	A182	F304H	F10	A351	CF10	04H	A479	304H
304L (low carbon S. S.)	04L	A182	F304L	CF3	A351	CF3	04L	A479	304L
316 Standard	316	A182	F316	F8M	A351	CF8M	316	A479	316
316 High Temp. Service	16H	A182	F316H	10M	A351	CF10M	16H	A479	316H
316L (low carbon S. S.)	16L	A182	F316L	F3M	A351	CF3M	16L	A479	316L
317 Standard	317	A182	F317	G8M	A351	CG8M	317	A182	F317
317L (low carbon S. S.)	17L	A182	F317L	G3M	A351	CG3M	17L	A182	F317L
321 Standard	321	A182	F321				321	A479	321
321 High Temp. Service	21H	A182	F321H				21H	A479	321H
347 Standard	347	A182	F347	F8C	A351	CF8C	347	A479	347
347 High Temp. Service	47H	A182	F347H	F8C	A351	CF8C	47H	A479	347H
348 Standard	348	A182	F348				348	A479	348
348 High Temp. Service	48H	A182	F348H				48H	A479	348H
309 (Heat resistant S.S.)	09H	A182	F309H	H20	A351	CH20	09H	A182	F309H
310 (Heat resistant S.S.)	10H	A182	F310H	K20	A351	CK20	10H	A479	310H
Duplex S31803	F51	A182	F51	3MN	A995	4A (CD3MN)	803	A479	S31803
Super Duplex S32750	F53	A182	F53	CUN	A995	6A (CD3MWCuN)	750	A479	S32750
Super- austenitic(S31254)	F44	A182	F44	CK3	A351	CK3MCuN	254	A479	S31254
904L (Avesta 904L)	904	B649	N08904				904	B649	N08904
Austenitic-6% Moly (AL-6XN)	367	B564	N08367	CN3	A744	CN3MN	367	B691	N08367
Alloy 20(Carpenter 20)	020	B462	N08020	C20	A990	CN3MCu	020	B473	N08020
Nickel	200	B160	N02200	CZC	A494	CZ100	200	B160	N02200
Nickel low C	201	B160	N02201				201	B160	N02201
Monel 400	400	B564	N04400	M35	A494	M35-1	400	B164	N04400
Inconel 600	600	B564	N06600	CY4	A494	CY40	600	B166	N06600
Inconel 625	625	B564	N06625	6MC	A494	CW6MC	625	B446	N06625
Incoloy 800	800	B564	N08800	15C	A351	CT15C	800	B408	N08800
Incoloy 800H	810	B564	N08810	15C	A351	CT15C	810	B408	N08810
Incoloy 825	825	B425	N08825	825	A494	CU5MCuC	825	B425	N08825
Hastelloy B-2	HB2	B335	N10665	HB2	A494	N7M	HB2	B335	N10665
Hastelloy C276	276	B574	N10276	W6M	A494	CW6M	276	B574	N10276
Hastelloy C-22	C22	B574	N06022	2MW	A494	CX2MW	C22	B574	N06022
Hastelloy C-4	HC4	B574	N06455	W2M	A494,A990	CW2M	HC4	B574	N06455
Hastelloy N	HCN	B573	N10003				HCN	B573	N10003
Hastelloy X	HGX	B572	N06002				HGX	B572	N06002
Hastelloy 20MOD	H20	B621	N08320				H20	B621	N08320
Hastelloy G	HCG	B581	N06007				HCG	B581	N06007
JS-700	700	B672	N08700				700	B672	N08700
Alloy G3	AG3	B581	N06985				AG3	B581	N06985
Alloy 31	A31	B564	N08031				A31	B649	N08031
Alloy 330	330	B511	N08330				330	B511	N08330
Unalloyed Titanium Grade 2	TF2	B381	Gr 2	TC2	B367	Gr 2	482	B348	Gr 2
Titanium Grade 7	TF7	B381	Gr 7	TC7	B367	Gr 7	487	B348	Gr 7
Unalloyed Zirconium	702	B493	R60702	02C	B752	702C	702	B550	R60702
Zirconium w/ Stanium				04C	B752	704C			
Zirconium w/ Colombuim	705	B493	R60705	05C	B752	705C	705	B550	R60705

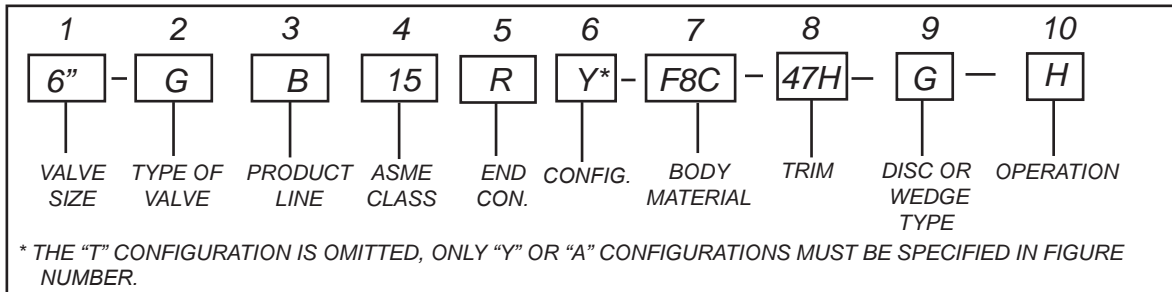


Tim Materials

Trim No.	Nominal Trim	Seal Material Type	Body Seat Surfaces	Disc Seat Surfaces	Stem and Other Trim Parts
2	304	18Cr-8Ni	304 Stainless Steel	304 Stainless Steel	304 Stainless Steel
2H	304 Hardfaced	Co Cr - A	Stellite 6	Stellite 6	304 Stainless Steel
3	F310	25Cr - 20Ni	310 Stainless Steel	310 Stainless Steel	310 Stainless Steel
3H	310 Hardfaced	Co Cr - A	Stellite 6	Stellite 6	310 Stainless Steel
9	Monel	Ni-Cu Alloy	Monel	Monel	Monel K500
9H	Monel Hardfaced	Co Cr - A	Stellite 6	Stellite 6	Monel K500
10	316	16Cr-12 Ni- 2Mo	316 Stainless Steel	316 Stainless Steel	316 Stainless Steel
10H	316 Hardfaced	Co Cr - A	Stellite 6	Stellite 6	316 Stainless Steel
13	Alloy 20	19-29 Cr-Ni	Alloy 20	Alloy 20	Alloy 20
13H	Alloy 20 Hardfaced	Co Cr - A	Stellite 6	Stellite 6	Alloy 20
15	304L	Low C. S.S	304L Stainless Steel	304L Stainless Steel	304L Stainless Steel
15H	304L Hardfaced	Co Cr - A	Stellite 6	Stellite 6	304L Stainless Steel
16	316L	Low C 316SS	316L Stainless Steel	316L Stainless Steel	316L Stainless Steel
16H	316L Hardfaced	Low C 316SS	Stellite 6	Stellite 6	316L Stainless Steel
17	317 or 317L	317 or 317LSS	317 or 317L Stainless Steel	317 or 317L Stainless Steel	317 or 317L Stainless Steel
17H	317 or 317LSS Hardfaced	317 or 317LSSCoCr-A	Stellite 6	Stellite 6	317 or 317L Stainless Steel
18	Hastelloy B2	Hastelloy B-2	Hastelloy B-2	Hastelloy B-2	Hastelloy B-2
19	Hastelloy C-276or Hastelloy C-4	Hastelloy C-276, C-4	Hastelloy C-276, C-4	Hastelloy C-276, C-4	Hastelloy C-276, C-4
19H	Hastelloy C-276, C-4 Hardfaced	Co Cr - A	Stellite 6	Stellite 6	Hastelloy C-276, C-4
321	321 SS	18Cr - 10Ni - T i	321 Stainless Steel	321 Stainless Steel	321 Stainless Steel
21H	321 Hardfaced	Co Cr - A	Stellite 6	Stellite 6	321 Stainless Steel
347	347 SS	18Cr - 10Ni - Cb	347 Stainless Steel	347 Stainless Steel	347 Stainless Steel
47H	347 Hardfaced	Co Cr - A	Stellite 6	Stellite 6	347 Stainless Steel
600	Inconel 600	72Ni-15Cr-8Fe	Inconel 600	Inconel 600	Inconel 600
60H	Inconel 600 Hardfaced	Co Cr - A	Stellite 6	Stellite 6	Inconel 600
625	Inconel 625	60Ni-22Cr-9Mo-3.5Cb	Inconel 625	Inconel 625	Inconel 625
62H	Inconel 625 Hardfaced	Co Cr - A	Stellite 6	Stellite 6	Inconel 625
825	Incoloy 825	42Ni-21.5Cr-3Mo- 2.3Cu	Incoloy 825	Incoloy 825	Incoloy 825
82H	Incoloy 825 Hardfaced	Co Cr - A	Stellite 6	Stellite 6	Incoloy 825
22	Titanium	Titanium	Titanium	Titanium	Titanium
23	Duplex S.S.	UNS - S31803	UNS - S31803	UNS - S31803	UNS - S31803
23H	Duplex S.S. Hardfaced	Co Cr - A	Stellite 6	Stellite 6	UNS - S31803
25	Super-Duplex S.S.	UNS-32750	UNS-32750	UNS-32750	UNS-32750
25H	Super-Duplex S.S. Hardfaced	Co Cr - A	Stellite 6	Stellite 6	UNS-32750
24	904L S.S.	44Fe-25Ni-21Cr-Mo	UNS - N08904	UNS - N08904	UNS - N08904
24	904L S.S. Hardfaced	Co Cr - A	Stellite 6	Stellite 6	UNS - N08904
26	Zirconium	Zirconium	Zirconium	Zirconium	Zirconium
ZNN	Other		- to specify by user -		

how to order alloy valves

FIGURE NUMBER SYSTEM



1. - Valve size

- {1/2"} {3"} {16"} {30"}
- {3/4"} {4"} {18"} {36"}
- {1"} {6"} {20"} {42"}
- {1 1/4"} {8"} {22"} {48"}
- {1 1/2"} {10"} {24"} {54"}
- {2"} {12"} {26"} {60"}
- {2 1/2"} {14"} {28"} {66"}

2. - Valve Type

- {G} Gate
- {B} Globe
- {W} Swing Check
- {S} Stop Check
- {L} Lift Check
- {T} Tilting Disc check

3. - Product Line

- {B} Bolted Bonnet
- {P} Pressure Seal
- {S} Welded Bonnet

4. - ASME Class

- {01} 150 {09} 900 {25} 2500
- {03} 300 {15} 1500 {27} 2700
- {06} 600 {17} 1700 {45} 4500
- {08} 800

5. - End Connections

- {R} Raised Face
- {J} Ring Type Joint
- {B} Butt Weld
- {F} Flat Face
- {W} Socket Weld
- {T} Threaded

6. - Configuration

- {T} "T" Pattern
- {Y} "Y" Pattern
- {A} Angle Pattern

7. - Body material

See page A-2 for material codification

8. - Trim Material

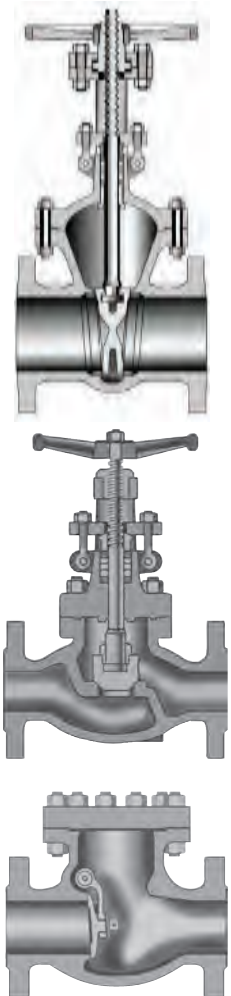
See page A-3 for trim codification

9. - Disc or wedge type

- {F} Flexible Wedge
- {R} Solid Wedge
- {C} Split Wedge (Double Disc)
- {S} Parallel Slide Discs Spring Loaded
- {G} Guided Plug Disc (Globe)
- {V} Swivel Plug Disc (Globe)
- {T} Tilting Disc
- {P} Piston Disc (Stop or Lift Check)
- {W} Swing Check Disc (Swing Check)
- {B} Ball Check Disc (Check)

10. - Operation

- {H} Handwheel
- {I} Impact Handwheel
- {W} Chain Wheel
- {E} Enclosed Bevel Gear
- {B} Bevel Gear with Impact Handwheel
- {U} Bevel Gear with Nut for Air Gun
- {C} Bevel Gear with Chain Wheel
- {M} Electric Motor Actuator
- {P} Pneumatic Cylinder Linear Actuator
- {D} Diaphragm Pneumatic Linear Actuator
- {Y} Hydraulic Cylinder Linear Actuator
- {S} Check with outside Snubber (Damped check)
- {T} Bare Stem (For customer actuator installation)
- {N} Without Operator (Check Valves)





xanik®



xanik® valves are manufactured exclusively by:

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