GLOBAL MASTER DISTRIBUTOR

VALVES, AUTOMATION & MODIFICATION







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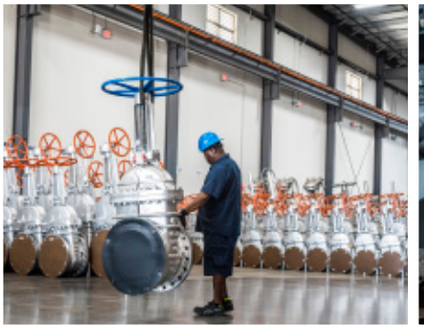
STOCKED MANUFACTURERS AND INVENTORY

GLOBAL MASTER DISTRIBUTOR OF VALVES AND ACTUATORS

AIV is a global master distributor of high-quality valves and actuators, selling through distribution only. Established in 1991 as a resource for hard-to-find, exotic alloy, and specialty valves, AIV has built a reputation as the premier master distributor in this arena. We serve our customers as a trusted resource for the oil & gas, refining, chemical, petrochemical, power, pulp & paper, and water treatment industries. With a state-of-the-art, 320,000-square-foot warehouse facility in Houston, Texas, additional sales and stocking locations in the U.S., Canada, the United Kingdom, Dubai, Singapore, and Australia, and a comprehensive global inventory, our customers know they can count on AIV to deliver what they need, when they need it.






FULL-SERVICE AUTOMATION FACILITY

AIV Automation is a global leader in automation products and a full-service provider of turn-key valve and actuation packages. AIV is the largest stocking distributor of Bettis pneumatic automation products globally, with a vast selection of rack and pinion and scotch yoke actuators. Stocking modular actuators for same-day shipments allows AIV to meet our customers' needs with the utmost speed and efficiency. In addition, AIV maintains an extensive service kit inventory in standard, low-, and high-temp variations. AIV also offers an array of control accessories from Versa, Control Air, Westlock, Kinetrol, Fisher Regulators, VRG, Welker, Swagelok Fittings, Dynatorque declutchable manual override gears and Bettis PressureGuard.






COMPREHENSIVE VALVE MODIFICATION CAPABILITIES

When requirements cannot be met with an off-the-shelf valve, AIV provides customers with a wide range of modifications to new valves through our sister companies - Gulf Coast Modification in North America and ADANAC in the United Kingdom. Both companies feature ISO-based quality systems that have been audited and approved by most major valve manufacturers, and their membership and involvement in organizations such as the API, MSS, BVAA and VMA/VRC ensure modifications are compliant with the latest industry standards.

STANDARD MODIFICATION SERVICES

- Packing and Gasket Changes
- Bolting and Trim Changes
- End Connection Changes
- Bypass and Drain Installations
- Gear Installation
- Extensions for Buried Service
- Cryogenic Extensions
- Soft Seat Inserts

CLEANING AND TESTING SERVICES

- Oxygen, Chlorine, and Ethylene Oxide Service
- Hydrostatic and High-Pressure Testing
- Emissions and Penetrant Testing
- Actuator Load Testing
- Cryogenic Gas Testing
- Radiography
- Magnetic Particle Inspection
- Positive Material Identification

COATING SERVICES

- Buried Service Coating
- Offshore Coating
- Coal Tar Epoxy
- Three Part Epoxy
- Polyurethane
- Hempel 163U (Internal)

GLOBAL MASTER DISTRIBUTOR

STOCKED VALVE MANUFACTURERS AND INVENTORY

BONNEY FORGE

FORGED STEEL
GATE, GLOBE (T & Y PATTERN) & CHECK (BALL, PISTON & SWING); 1/4"- 3", 150# - 2680#, A105, LF2, F304L, F304H, F316L, F316H, F317L, F321H, F347H, F410SS, F5, F9, F11, F22, F44, F51, F53, F55, F91, A20, MONEL, HASTELLOY C, INCONEL 625, INCOLOY 800H & 825 **F44/F51/F53/F55 NORSOK**, STANDARD & EXTENDED BODY END CONNECTIONS
CRYOGENIC GATE & GLOBE; 1/2" - 2" 150# - 800#, F316L, TRIM #12 & TRIM #16, THD & RF, NACE
FLOATING BALL; 1/2" - 2", 150# -1500#, A105, LF2, F316L, F55 NORSOK
BELLOW-SEAL GATE & GLOBE; 1/2" - 2", 150# - 2500#(GATE), 150#-800#(GLOBE), A105, 316L, W/316SS, 321SS, INCONEL BELLOWS, NACE, CE MARKED

CAST STEEL
GATE, GLOBE & SWING CHECK; 2" - 12", 150# - 2500#, WCB, LCC, 316SS
SWING CHECK; 16"-24", 600#, WCB, NACE, CE MARKED

KITZ

CAST STEEL
GATE, GLOBE & CHECK; 1/2" - 24", 150# - 1500#, WCB, LCC, 304SS, 304L, 316SS, 316L, 317SS, 321SS, 347SS, C5, C6, C9, C12, A20, DUPLEX, HASTELLOY C, INCONEL, MONEL, NICKEL; API TRIMS: #2, #5, #8, #9, #10, #12, #13, #16 & NACE, CE MARKED
CRYOGENIC GATE VALVES; 2" - 12", 150# - 300#, 316SS X 316SS, TRIM #12 NACE
SOFT & METAL SEATED BALL; 1" - 10", 150# - 600#, WCB, 316SS, 317SS, A20, DUPLEX, HASTELLOY C, MONEL,
THREADED BALL; 1/2" - 2", 800# - 6000#, WCB, 316SS, BRONZE, THD, SW, SWT

CAST IRON
BUTTERFLY; 2" - 42", 150# - 200#, IRON BODY, WAFER OR LUG DESIGN, 316SS DISC

VELAN

FORGED STEEL
GATE, GLOBE & CHECK (SWING, PISTON & BALL); 1/4" - 2", 150# - 2500#, A105, F316L, F347H, F51, F5, F9, F11, F22, MONEL, HAST C, INCONEL & A20; THD, SW, SWT, MP, MT & LIP
BELLOW SEAL GATE & GLOBE (T & Y-PATTERN); 1/2" - 6", 150# - 2500#, A105, LF2, WCB & F316; RF, THD, SW, SWT & MP, 321SS & INCONEL 625 BELLOWS, NACE
CRYOGENIC GATE & GLOBE; 1/2" - 2", 150# - 1500#, LF2, F304L & F316L; THD, SW, RF & BW

CAST STEEL
GATE, GLOBE & CHECK (SWING & STOP); 1/2" - 24", 150# - 1500#, WCB, LCC, 304SS, 316SS, 317SS, 347SS, A20, MONEL, HAST C, INCOLNEL, C5, C6, C9 & C12; RF, RTJ & BW
CRYOGENIC GATE; 2 - 12", 150# & 300#, 316SS, RF

BALL VALVES
FLOATING BALL; 3/8" - 12", 150# - 600#, WCB, 316SS, MONEL, HAST C, A20 & F51; 1/2"–2", 1000#–2000#, WCB, 316SS, MONEL, HAST C, A20 & F51; RF, THD, SW & SWT; FULL & REDUCED PORT, 1PC, 2PC, 3PC, FIRE SAFE, NACE
TOP ENTRY METAL SEATED BALL; 1/2" - 2", 600#, A105 & F316L
TOP ENTRY SOFT SEATED BALL; 1/2" - 2", 600#, A105, WCB & F316L

BUTTERFLY VALVES
TRIPLE OFFSET BUTTERFLY; 3" - 36", 150# - 600#, WCB X 316SS & 316SS X 316SS; LUG, LONG & SHORT PATTERN DOUBLE FLANGE, NACE

SPECIALTY ITEMS
PRESSURE SEAL GATE, PARALLEL SLIDE GATE, GLOBE (T & Y-PATTERN), CHECK (TILTING, PISTON, SWING & STOP); 2" - 16", 600# - 2500#, A105, F11, F22, F91, WCB, WC6, WC9
Y-PATTERN GLOBE & PISTON CHECK; 1/2" - 4", 1690#, 2680#, 4500#, A105, F316, F22, F91

CAMERON

T31 & T32 TRUNNION BALL VALVES; 2" - 36", 150# - 600#, LF2 BODY, TRIM 216, 008, 452, 454, RF, RF X BW, BW X BW, WELDED BODY, NACE

W-K-M

TRUNNION & FLOATING BALL; 1/2" - 24", 150# - 5000#, WCC X 316SS, WCC X ENP, LCC X ENP, LCC X 316SS, RF AND RTJ, DOUBLE BLOCK & BLEED, FULL & REDUCED PORT, API 6D, NACE, FIRESAFE
B136 & B138; 1/2" - 2" 3000# A105 X 316SS, 316SS X 316SS, LF2 X 316SS, FULL & REDUCED PORT, THD, FIRESAFE, NACE
TRUNNION BALL; 2 1/16" & 3 1/8", 5000#, WCC X ENP, RTJ

GROVE

TRUNNION BALL; 2" - 30", 150# - 2500#, LF2 X ENP, RF, RTJ, FP, DPE DESIGN, TRUNNION, DIB-1, FIRESAFE, NACE

NUTRON

FLOATING BALL; 1/4" - 2", 2000# - 6000#, LF2 X 17-4PH, SW AND SW X THREAD, FIRESAFE, NACE

WHEATLEY

SWING CHECK; 1/2" - 36", 150# - 5000# WCC X 316SS, LCC X 316SS, 316SS X 316SS, RF, RTJ, THD, BUNA, HNBR, FKM, NACE
SWING CHECK; 2 1/16", 3 1/8" & 4 1/16", 5000#, WCC X 316SS, RTJ

TOM WHEATLEY

PISTON CHECK; 2" - 12", 150# - 2500#,WCC X 410SS, RF, RTJ, VITON, BUNA, NACE
SWING CHECK; 14" - 30", 150# - 900#, WCC X WCC, RF, RTJ, BW, VITON, NACE

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STOCKED VALVE MANUFACTURERS AND INVENTORY

L&T Valves	**L&T** **CAST STEEL** **GATE, GLOBE & SWING CK;** 2" - 36", 150# - 600#, WCB, LCC, 316SS, C5, C6 & C12; API TRIMS #5, #8, #11 & #12; RF, NACE
OMB	**OMB** **FORGED STEEL** **GATE, GLOBE, BALL CK, PISTON CK & SWING CK;** 1/4" - 2", 150# - 1500#, A105, LF2, F5, F9, F11, F22, F304L, F316L, F317L, F321H, F347H, F51, MONEL, HAST C, INCONEL 625 & INCOLOY 825; THD, SW, RF, BW, NACE
	BALL VALVES **FLOATING BALL;** 1/4" - 2", 150# - 2500#, FULL & REDUCED PORT, A105, LF2, F11, F22, F316L, F51, MONEL, HAST C, INCONEL 625 & INCOLOY 825; THD, SW, RF, BW, FIRE SAFE, NACE
	BELLOW SEAL **BELLOW SEAL GATE & GLOBE;** 1/2" - 2", 150# - 500#, A105 & F316L; 321SS & INCONEL 625 BELLOWS; THD, SW, SWT, RF, NACE
	CRYOGENIC **CRYOGENIC GATE & GLOBE;** 1/2" - 2", 150# - 1500#, LF2, F304L & F316L; THD, SW, RF & BW
BROOKSBANK VALVES	**BROOKSBANK** **CAST STEEL** **GATE, BALL, BUTTERFLY(LUG);** ½" - 12", 150# - 800#, ALUMINUM BRONZE, MONEL TRIM, FF & THD, FP & RP, FIRE-SAFE, BB & UB
CRANE	**CRANE** **CAST STEEL** **ANGLE, GATE, GLOBE & SWING CHECK;** 2" - 24", 150# - 1500#, WCB, LCC, C5, C6, C12; 316SS NACE TRIM, FULL STELLITE TRIM; 1/2" - 12", 125# - 250#, THD & FF, BRONZE & IRON; CE MARKED
FLOWSEAL / CENTER LINE	**FLOWSEAL / CENTERLINE** **CAST STEEL** **BUTTERFLY;** 2" - 36", 150# – 600#, WCB, 316SS, DUCTILE IRON, CAST IRON, WAFER, LUG, DOUBLE FLANGED, HIGH PERFORMANCE & RESILIENT SEATED, METAL, FIRESAFE & SOFT SEATED; NACE
DUO-CHEK®	**DUO CHEK II** **CAST STEEL** **WAFER CHECK;** 2" – 36", 150# - 2500#, WCB, 316SS, LCC, WAFER, LUG, DOUBLE FLANGED, SOFT SEATED, METAL SEATED & FULL STELLITE DESIGN; CE MARKED
PV	**PACIFIC VALVES** **CAST STEEL** **GATE, GLOBE & SWING CHECK;** 1/2" - 1" 800# A105 X MONEL TRIM & MONEL X MONEL TRIM, THD, 2" - 3" 300# MONEL X MONEL TRIM, RF, SWING CK; 2" - 8" 300#; WCB X MONEL TRIM, RF, GATE; HF ACID SERVICE
XOMOX®	**XOMOX** **CAST STEEL** **PLUG;** 1/2" - 16", 150# - 300#, WCB, 316SS, A20, DUPLEX, HASTELLOY C, MONEL, RF & THD, NON-LUBRICATED, HF ACID SERVICE **BUTTERFLY, BALL, PLUG & CHECK (PISTON, WAFER & BALL);** 1/2" - 12", 150# - 300#, WCB, DUCTILE IRON, LINED PRODUCT
ALOYCO	**ALOYCO** **CAST STEEL** **GATE, GLOBE & SWING CHECK;** 1/2" - 12", 150# - 600#, 316SS, 316L & A20, THD, SW, RF

Representing more than 20 major industrial valve manufacturers, AIV delivers what you need, when you need it.

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STOCKED VALVE MANUFACTURERS AND INVENTORY

FLOWSERVE Edward Valves	**EDWARD** **FORGED STEEL** **ANGLE, GLOBE (T & Y-PATTERN) & CHECK (BALL & PISTON);** 1/2 - 4", 300# - 10000#, A105, F11, F22, F316L, F347SS, F91; THD, SW, RF, BW, BOLTED, WELDED, UNWELDED & PRESSURE SEAL BONNET
	CAST STEEL **ANGLE, GLOBE, ANGLE STOP & CHECK (PISTON & STOP);** 2" - 12", 300# - 1500#, WCB, RF, BW, BOLTED, WELDED, UNWELDED & PRESSURE SEAL BONNET
FLOWSERVE Nordstrom Valves	**NORDSTROM** **CAST STEEL** **PLUG;** 1/2" - 16", 125# - 1500#, WCB, LCC & CAST IRON, RF, RF X BW, BW X BW, RTJ & THD, NACE
Vogt	**VOGT** **FORGED STEEL** **ANGLE, GATE, GLOBE (T & Y-PATTERN) & CHECK (SWING & PISTON);** 1/4" - 3", 150# - 2680#, A105 WITH MONEL/NACE, 316SS/NACE, & FULL STELLITE TRIMS, LF2, F316L, F5, F9, F11, F22, THD, SW, RF, BOLTED & WELDED BONNET
GWC USA	**GWC USA** **CAST & FORGED STEEL** **BALL;** 2" - 36", 150# - 1500#, A105 & LF2 BODY, 3 MILL & 316SS TRIM, FP & RP, RF, 3-PC. & 2-PC. DESIGN, TRUNNION & FLOATER, NACE, FIRE SAFE, API-6D MONOGRAM, CE MARKED
YVI INC	**YVI** **GATE, GLOBE & CHECK;** 2" - 24", 150# - 600#, WCB & LCC, RF, TRIM 5, 8, 12, NACE
SWI	**SWI** **FORGED & CAST STEEL** **BELLOW SEAL GATE & GLOBE;** 1/2" 0 12", 150# - 1500#, A105, WCB, F316L, TRIM 5/NACE, TRIM 16/NACE, THD, SW, SWT, RF, INCONEL 625 & 321SS BELLOWS; CE MARKED
Apollo Valves Made in The USA	**APOLLO** **CAST STEEL** **BALL;** 1/4" - 2", 600#, HASTELLOY C, A20, DUPLEX, MONEL, INCONEL & NICKEL, THD, 3PC DESIGN



AIV's state-of-the-art, 320,000-square-foot facility in Houston, TX houses valve, automation, and modification capabilities.

AIVINC.COM

GLOBAL MASTER DISTRIBUTOR

STOCKED ACTUATION PRODUCTS AND ACCESSORIES

BETTIS

RPE SERIES; RACK & PINION, 0012-4000, DOUBLE ACTING & SPRING RETURN
CBB & CBA SERIES; SCOTCH YOKE(DOUBLE ACTING & SPRING RETURN) M3HW(MANUAL JACKSCREW OVERRIDE) FOR SPRNG RETURN ONLY
G SERIES; SCOTCH YOKE(DOUBLE ACTING & SPRING RETURN), G01 – G08
- G01 TO G03 – MANUAL JACKSREW OVERRIDE & M18 HYDRAULIC OVERRIDE
- G4 & G5 – MANUAL GEAR OVERRIDE & M18 HYDRAULIC OVERRIDE
- G7 & G8 – M18 HYDRAULIC OVERRIDE

ALL ACTUATORS ARE STOCKED IN MODULAR FORM
SERVICE KITS; LOW, STANDARD & HIGH TEMPERATURE FOR D, RPE, CB, CBA & CBB, CBA300, G, HD & T SERIES
AMO; DE-CLUTCHABLE QUARTER-TURN MANUAL OVERRIDES FOR RACK & PINION PNEUMATIC ACTUATORS SIZES 0.5, 1, 2, & 3
PRESSUREGUARD; SELF-CONTAINED HYDRAULIC EMERGENCY SHUTDOWN SYSTEM,
- 50/60/70 SRH100-SC2HP
- 2HP/3HP/5HP – SC__ V2 ASSEMBLY
- VA001-752/661-61/65 ACCUMULATOR/ACCUMULATOR WITH NITROGEN CHARGING KIT

VERSA

SOLENOID VALVES; 3 & 4-WAY BRASS & STAINLESS IN 1/4”, 3/8” & 1/2” 24VDC & 120VAC
QUICK EXHAUST VALVES; QE-3/5/6-316 IN 1/4”, 1/2” & 3/4” STAINLESS STEEL
DUST EXCLUDER VALES; DE-3/5/6-316 IN 1/4”, 1/2”, & 3/4” STAINLESS STEEL
FLOW CONTROL VALVES; FCV-3/5/7-316 IN 1/4”, 1/2”, 1” STAINLESS STEEL

WESTLOCK

LIMIT SWITCHES & POSITION INDICATORS; 2007 in 2SPDT & 4SPDT (MECHANICAL SWITCH BOTH STANDARD & NAMUR SHAFT), 2649 IN 2SPDT (MAGNUM SWITCH IN BOTH STANDARD & NAMUR SHAFT), 9479 IN 2SPDT & 4SPDT(MAGNUM SWITCH IN BOTH STANDARD & NAMUR SHAFT), BM2-Y BEACON INDICATORS, K20 ELECTRO-PNEUMATIC POSITIONERS IN 4-20MA & HART 7 COMMUNICATION, & 316SS SILVER BULLET
****STAINLESS STEEL MOUNTING KITS FOR LIMIT SWITCHES FOR ALL ABOVE BETTIS ACTUATORS****

DYNATORQUE

SD SERIES; DT3SD-DT90SD, DE-CLUTCHABLE SANDWICH TYPE MANUAL OVERRIDES, SOLD IN KITS FOR DIRECT MOUNT CAPABILITIES TO BETTIS CBB/CBA & G1-G3 **COMPATIBILITY WITH PNEUMATIC DOUBLE ACTING OR SPRING RETURN ACTUATORS**

TOPWORX

LIMIT SWITCHES; DXP MODEL WITH SPDT SWITCHES, STANDARD & NAMUR SHAFT, PD100 SMART POSITIONER 4-20MA NON-INCENDIVE, PD200 HART COMPATIBLE INTRINSICALLY SAFE

ASCO

SOLENOID VALVES; 3-WAY AND 4-WAY BRASS AND STAINLESS STEEL IN 24VDC AND 120VAC

CONTROL AIR

FILTER REGULATORS; 330 SERIES(BRASS) IN 1/4” & 1/2”, 350 SERIES(STAINLESS STEEL) IN 1/4” & 1/2”, 3500 & 3600 HIGH-PRESSURE SERIES (STAINLESS STEEL) IN 1/4” & 1/2”

WELKER

FILTER DRYER; MODEL F-8, 1/4” NPT CARBON STEEL 3000 PSI

FISHER

FILTER REGULATORS; 67CFR-239 WITH 1/4” GAUGE, 67DFR-25 WITH 1/2” GAUGE & 1301F HIGH PRESSURE REGULATORS

RUELCO

RELIEF VALVE; 7500-1B000

VRG CONTROLS

MANUAL OVERRIDE DEVICE; VM0150

KINETROL

SPRING RETURN/DEAD-MAN HANDLES; 057F-020-1006(GOOD UP TO 200 IN-LBS.) & 077F-020-1006 (GOOD UP TO 400 IN-LBS.)

ROTOHAMMER

CHAIN & CHAINWHEEL OPERATORS

COMMON TERMS AND ABBREVIATIONS

THD - THREADED

SW - SOCKETWELD

RF - RAISED FACE

FF - FLAT FACE

PE - PLAIN END

RTJ - RING TYPE JOINT

MT - MALE THREAD

MP - MALE PLAIN

FT - FEMALE THREAD

FSW - FEMALE SOCKETWELD

EXT BODY - ONE END CONNECTION EXTENDED

CRYO - CRYOGENIC EXTENSION

BW - BUTTWELD

S/40 - SCHEDULE 40

S/80 - SCHEDULE 80

S/160 - SCHEDULE 160

BB - BOLTED BONNET

BC - BOLTED CAP

OS&Y - OUTSIDE STEM & YOKE

WB - WELDED BONNET

A105 - FORGED CARBON STEEL

WCB - CAST CARBON STEEL

API - AMERICAN PETROLEUM INSTITUTE

API 600 - STEEL VALVES - FLANGED & BUTTWELD ENDS

API 602 - COMPACT STEEL GATE VALVES-FLANGED, THREADED, WELDING AND EXTENDED-BODY ENDS – 2" BELOW

API 603 - CLASS 150, CAST, CORROSION-RESISTANT, FLANGED-END GATE VALVES

API 607 (API 6FA) - FIRE TEST FOR SOFT-SEATED QUARTER TURN VALVES

API 608 - METAL BALL VALVES- FLANGED AND BUTT-WELDING ENDS

API 609 - BUTTERFLY VALVES, LUG-TYPE AND WAFER TYPE

API 598 - VALVE INSPECTION & TESTING

API 6D - SPECIFICATION FOR PIPELINE VALVES (PLUG, GATE, BALL AND CHECK VALVES)

API 6A - SPECIFICATION OF WELLHEAD AND CHRISTMAS TREE EQUIPMENT

ANSI - AMERICAN NATIONAL STANDARDS INSTITUTE

ASME - AMERICAN SOCIETY OF MECHANICAL ENGINEERS

ASME/ANSI B16.34 - STANDARD VALVE PRESSURE/TEMPERATURE RATINGS

ASME/ANSI B16.10 - FACE TO FACE DIMENSIONS FOR FLANGED/ BUTTWELD END VALVES

NACE MR-0175 - STANDARD FOR MATERIALS TO BE USED IN "SOUR" APPLICATIONS (H2S - HYDROGEN SULFIDE)

F11 - FORGED ALLOY 1 ¼% CHROME

F22 - FORGED ALLOY 2 ¼% CHROME

F5 - FORGED ALLOY 5% CHROME

F9 - FORGED ALLOY 9% CHROME

A20 - ALLOY 20

LF2 - FORGED LOW TEMP CARBON STEEL

CF8 - CAST 304SS

CF3 - CAST 304L

CF8M - CAST 316SS

CF3M - CAST 316L

CF8C - CAST 347SS

CN7M - CAST ALLOY 20

M35 - CAST MONEL

CW12MW - HAST C

N12MV - HAST B

C6 - CAST ALLOY 1 ½% CHROME

C9 - CAST ALLOY 2 ¼% CHROME

C12 - CAST ALLOY 9% CHROME

LCC - LOW TEMP CARBON STEEL

API 600 TRIM NUMBER CHART

TRIM	MATERIAL	SEAT	DISK	BACKSEAT	STEM	NOTES
1	410	410	410	410	410	
2	304	304	304	304	304	
3	F310	310	310	310	310	
4	Hard 410	Hard 410	Hard 410	410	410	Seats 750BHN Min.
5	Hardfaced	Stellite	Stellite	410	410	
5A	Hardfaced	Ni-Cr	Ni-Cr	410	410	
6	410 and Cu-Ni	Cu-Ni	410	410	410	
7	410 and Hard 410	Hard 410	Hard 410	410	410	Seats 750BHN Min.
8	410 and Hardfaced	Stellite	410	410	410	
8A	410 and Hardfaced	Ni-Cr	410	410	410	
9	Monel	Monel	Monel	Monel	Monel	
10	316	316	316	316	316	
11	Monel and Hardfaced	Stellite	Monel	Monel	Monel	
12	316 and Hardfaced	Stellite	316	316	316	
13	Alloy 20	Alloy 20	Alloy 20	Alloy 20	Alloy 20	
14	Alloy 20 and Hardfaced	Stellite	Alloy 20	Alloy 20	Alloy 20	
15	304 and Hardfaced	Stellite	Stellite	304	304	
16	316 and Hardfaced	Stellite	Stellite	316	316	
17	347 and Hardfaced	Stellite	Stellite	347	347	
18	Alloy 20 and Hardfaced	Stellite	Stellite	Alloy 20	Alloy 20	

ASTM MATERIAL CROSS REFERENCE

FORGING	CASTING
A105	WCB
LF2	LCC
F11	WC6
A182-F22	WC9
A182-F5	C5
A182-F9	C12
F304	CF8
F304L	CF3
F316	CF8M
F316L	CF3M
F317	CG8M
F347H	CF8C
Alloy 20	CN7M
Duplex 2205	CD3MN
Hastelloy C	CW12MW
Monel 400	M35-1
Inconel 600	CY40-1
Nickel 200	CZ100
Inconel 625	CW6MC
Incoloy 825	CU5MCUC

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847-290-1024 F.

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Houston, TX 77095
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713-462-4187 F.

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610-497-2183 F.

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Australia
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971-4-286-8810 F.

CANADA
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Canada
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Canada
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SINGAPORE
ACE @ Buroh
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#07-02
Singapore 627546
65-6771-9170 T.

UNITED KINGDOM
Unit 3 Venture Road
Lawn Park Business Centre
Woolpit, Suffolk UK
IP30 9RZ
44-1223-403-370 T.
44-1223-245-629 F.

AIVINC.COM
800.447.4230

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