



INDUSTRIAL BALL VALVE PRICE SHEET

BV-12-20

**CLASS 150/300/600 and CLASS 1500/2500 (THREADED & SOCKET WELD)
W.O.G. 600, 800, 1000, 1500, 2000, 3000, 6000**

**FLANGED
THREADED, SOCKET WELD and BUTTWELD**

**FLOATING
SOFT SEATED
V-PORT CONTROL VALVES (SEGMENTED)
METAL & GRAPHITE SEATED
3-WAY
CRYOGENIC
IRON
POCKETLESS (CAVITY FILLED)
CLOSE COUPLED ELECTRIC ACTUATION PACKAGES
CLOSE COUPLED PNEUMATIC ACTUATION PACKAGES**

TRUNNION MOUNTED

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KITZ STANDARDS and CERTIFICATIONS

Fugitive Emissions

KITZ floating ball valves meet Federal EPA and International regulations for low emission service. Flanged floating ball valves meet API 641. All testing and certification is done by third party organizations. Please contact KCA or your Regional Manager for detailed information.

ISO Certification

KITZ Corporation's manufacturing plants have been registered and certified by Bureau Veritas International, which has assessed and found KITZ's Quality Management System to be in accordance with the requirements of the quality standards and scope of supply detailed below.

Quality Standards

ISO-9001 and ISO-9002

Cryogenic Valves

Cryogenic valves are available in Class 150, Class 300 and Class 600 full port and Class 150 and Class 300 single reduction/regular port configurations to meet low temperature applications to -320 °F. Please contact KCA or your Regional Manager for detailed information.

Self-Relieving Seats

Standard on select valves. Please contact KCA or your Regional Manager for detailed information.

NACE

NACE standard is MR0103-2003. MR0175-2003 is optionally available when materials are specified by the user.

Trunnion Mounted Valves

Available from KITZ. Please contact KCA or your Regional Manager for detailed information.

DESIGN and INSPECTION STANDARDS

Flanged Floating Ball Valve Design ⁽¹⁾

Item	U.S. Standard	International Standard
Temperature-Pressure Rating	Body	ASME B16.34
	Resilient Sealing Parts	ISO 17292
General Valve Design	API 608	ISO 17292
Shell Wall Thickness	ASME B16.34	ISO 17292
Port Diameter	API 608 ⁽²⁾	ISO 17292
Face-to-Face Dimension	ASME B16.10	
End Flange Dimensions and Flange Gasket Facing	ASME B16.5	
Pressure Test	API 598 or API 6D ⁽³⁾	ISO 17292
First Test	API 607 or API 6FA	ISO 10497

- NOTES:**
1. For design standards for threaded, socket weld or butt weld end valves please refer to catalog or contact KCA.
 2. 10" Single reduced/regular port valve is in accordance with ISO 17292/BS 5351.
 3. Optional

FIGURE NUMBER CONSTRUCTION

	8"	G-	300	SC	T	DZ	6H	M				
	P	1	3	4	5	6	7	8				
	4"	LSE-	150	U	T	AZ	M	FS				
	P	1	3	4	5	6	8	9				
AK	3000	SC	T	FWZ	M	FS	AK	U	T	K	M	
2	3	4	5	6	8	9	3	4	5	6	8	

PREFIX (P)

Valve size, in inches

1 - OPERATOR

G.....Gear Operator
 OH.....Oval Handwheel
 ().....Lever Handle
 LL.....Locking Lever (Threaded)

2 - END CONNECTION

AK.....Tapered NPT (ASME B1.20.1)
 AW.....Socket Weld (ASME B16.11)
 BW.....Buttweld (ASME B16.25)
 ().....125-250 RMS Finish, 1/16 RF*
 K.....125-500 RMS Finish, 1/16" RF

3 - PRESSURE CLASS

ASME Class 150# through 2500#
 WOG 800/1500/2000/3000/6000

4 - SHELL MATERIAL

U.....Cast Sainless Steel and High Alloy**
 SC.....Cast Carbon Steel and Low Alloys**

5 - VALVE TYPE

T.....Floating
 TC.....Trunnion Mounted
 VC.....Lambda Port Control Valve

6 - PORT DESIGN

A.....Single Reduced Port, End Entry ISO5211/CAPI
 AZ.....Single Reduction, End Entry ISO5211/CAPI Live Loaded*
 B.....Full Port, Split Body
 BZ.....Full Port, Split Body ISO5211/CAPI
 DZ.....Full Port, Split Body ISO5211/CAPI Live Loaded*
 ().....Full Port (Trunnion)
 R.....Single Reduced Port (Trunnion)
 F.....Full Port (Threaded)*****
 FWZ....Full Port/Seal Welded Body Caps
 H.....Single Reduced Port (Threaded)*****
 K.....Double Reduced Port (Threaded)*****
 4L/4T...3-Way 4-Seat L-Port/T-Port

7 - SEAT MATERIAL

().....Hypatite PTFE (max 518°F)*
 Please note that select threaded and socket weld valves have PTFE seats.
 3H.....Hard Graphite (max 932°F)
 5H.....316SS/HF (max 572°F)
 6H.....316SS/HF (max 932°F)

8 - TRIM (Ball and Stem) or Special Shell

().....304SS
 M.....316SS*
 O.....316L
 V.....304L
 BL.....LCB
 CL.....LCC
 CG.....317SS
 CN.....Alloy 20
 (Contact KCA other materials such as Monel, Hastelloy, Nickel, Inconel, Duplex Stainless and others.)

9 - SPECIAL FEATURES

FS.....Fire Tested in accordance with API 607 (Floating)
 S.....Fire Tested in accordance with API 607/6FA (Trunnion Mounted)***
 N.....NACE (MR0103-2003)*
 Q.....Special Requirements (i.e. NDE)
 L.....Low Temperature Stem Extension (-320°F)***
 LSE....Locking Stem Extension

*** DESIGNATES KITZ STANDARD CONFIGURATION**

** High and low alloy body material selected in #8
 *** (S) is actually configured AFTER #5 (i.e. 300SCTCSM)
 **** (L) is actually configured AFTER #6 in floating stainless steel valves only (i.e. 150UTALM)
 ***** In threaded figure number "Z" after port designates an integral mounting pad

FIGURE NUMBER CONSTRUCTION

12"	A150	F	-	F14A	/	G	-	CS	/	316	-	FSM
P	1	2		3		7		4		5		6
1/2"	C800	R	-	NPT	-	HBM	-	CS	/	316	-	Ni+G
P	1	2		8		3		4		5		6

PREFIX (P)

Valve size, in inches

1 - PRESSURE CLASS

ASME Class 150# through 600# - Flanged
(For higher pressure classes please consult KCA)
Class 800 - Threaded & Socket Weld

2 - PORT DESIGN

F.....Full
R.....Single Reduction/Regular Port

3 - SERIES

F14A....Split Body, Full Port, Floating, ISO5211 mounting pad
Soft Seated
F18A....Split Body, Full Port, Floating, ISO5211 mounting pad
Soft Seated
F14M....Split Body, Full Port, Floating, ISO5211 mounting pad
Metal Seated
BF6K....End Entry 1-pc, Single Reduced Port, Floating
ISO 5211 mounting pad, Soft Seated
HB.....1-pc Full and Single Reduced Port, Floating
Soft Seated, NPT, SW & BW ends
HBM....1-pc Full Port, Floating, ISO 5211 mounting pad,
Metal Seated, NPT, SW & BW ends

4 - BODY MATERIAL

CS.....Cast Carbon Steel and Low Alloys
SS.....Cast Stainless Steel and High Alloys
(Contact KCA for special materials such as LCC, 316L, Alloy 20
Duplex Stainless and others.)

5- TRIM MATERIAL

316....Stainless Steel
(For Chlorine Service please consult KCA.)

6 - SEAL GROUP (Seat/Packing/Body Seals)

T.....Standard (PTFE/PTFE/SS+PTFE (Spiral Wound)
(Peek, UHMPE, G/G PTFE, PTFE+SS & Graphite filled PTFE available.)
FSM..Firesafe (PTFE/Graphite/SS+Graphite (Spiral Wound)
Metal...Refer to Page 11 of KITZ Iso Brand brochure.

7 - OPERATOR

G.....Gear

8 - ENDS

().....Flanged
NPT...Threaded
SW....Socket Weld

9 - SPECIAL

Special configurations, requirements and/or testing.

CARBON STEEL

**END ENTRY, FLOATING BALL VALVE
SINGLE REDUCED PORT, FLANGED
ISO 5211 MOUNTING PAD, LIVE LOADED PACKING
CLASS 150, 300**

FIGURE NUMBER	CLASS	1/2	3/4	1	1-1/2	2	3	4	6	8	10
150SCTAZM	150	223	238	293	471	558	985	1,430	2,769	4,889	8,863
150SCTAZM-FS	150	238	265	318	520	596	1,059	1,549	2,965	5,146	9,078
Weight		3	4	6	12	18	37	60	106	185	300
300SCTAZM	300	240	284	335	538	669	1,466	1,942	3,936	6,582	10,693
300SCTAZM-FS	300	260	303	353	582	723	1,583	2,093	4,144	6,857	11,074
Weight		5	7	10	15	24	53	84	165	266	397

**SPLIT BODY, FLOATING BALL VALVE
FULL PORT, FLANGED
ISO 5211 MOUNTING PAD, LIVE LOADED PACKING
CLASS 150, 300**

FIGURE NUMBER	CLASS	1/2	3/4	1	1-1/2	2	2-1/2	3	4	6	8	10*
150SCTDZM	150	248	291	359	569	689	1,328	1,328	1,984	4,537	9,318	19,717
150SCTDZM-FS	150	305	347	456	690	776	1,549	1,549	2,277	4,912	9,889	20,660
Weight		5	6	8	16	24	40	49	82	187	304	562
300SCTDZM	300	300	373	463	753	870	1,910	1,910	2,623	5,910	12,196	-
300SCTDZM-FS	300	329	413	527	844	966	2,074	2,074	2,781	6,222	12,410	-
Weight		6	9	11	24	33	59	75	123	254	403	-

*Complete with gear operator (Figure number to be preceded by "G").

**SPLIT BODY, FLOATING BALL VALVE
FULL PORT, FLANGED
CLASS 150, 300**

FIGURE NUMBER	CLASS	10	12
A150F-F14A/G-CS/316-T	150	POA	POA
A150F-F14A/G-CS/316-FSM	150	POA	POA
Weight		486	796
A300F-F14A/G-CS/316-T	300	POA	POA
A300F-F14A/G-CS/316-FSM	300	POA	POA
Weight		796	995

CARBON STEEL

**SPLIT BODY, FLOATING BALL VALVE
SINGLE REDUCED PORT, FLANGED
CLASS 150, 300**

FIGURE NUMBER	CLASS	12	16
A150R-F14/G-CS/316-T	150	POA	-
A150R-F14/G-CS/316-FSM	150	POA	-
A150R-F18/G-CS/316-T	150	-	POA
A150R-F18/G-CS/316-FSM	150	-	POA
Weight		420	862
A300R-F14/G-CS/316-T	300	POA	-
A300R-F14/G-CS/316-FSM	300	POA	-
Weight		707	

**SPLIT BODY, FLOATING BALL VALVE
FULL PORT, FLANGED
CLASS 600**

FIGURE NUMBER	CLASS	1/2	3/4	1	1-1/2	2	3	4	6*
A600F-F14AN-CS/316-FSM	600	842	989	1,095	1,302	1,537	2,232	4,395	POA
Weight		9	11	15	27	40	79	172	243

*Single Reduction/Regular Port with no ISO 5211 mounting pad. Figure number is A600R-F14-CS/316-FSM

STAINLESS STEEL

**END ENTRY, FLOATING BALL VALVE
SINGLE REDUCED PORT, FLANGED
ISO 5211 MOUNTING PAD, LIVE LOADED PACKING
CLASS 150, 300**

FIGURE NUMBER	CLASS	1/2	3/4	1	1-1/2	2	3	4	6	8	10
150UTAZM	150	309	363	442	645	833	1,481	2,150	4,099	7,551	13,141
150UTAZM-FS	150	330	392	471	689	891	1,568	2,281	4,309	7,768	13,632
Weight		3	4	6	12	18	37	60	106	185	300
300UTAZM	300	402	496	582	898	999	2,082	3,124	6,152	10,303	17,992
300UTAZM-FS	300	431	527	616	955	1,068	2,164	3,229	6,385	10,524	18,495
Weight		5	7	10	15	24	53	84	165	266	397

**SPLIT BODY, FLOATING BALL VALVE
FULL PORT, FLANGED
ISO 5211 MOUNTING PAD, LIVE LOADED PACKING
CLASS 150, 300**

FIGURE NUMBER	CLASS	1/2	3/4	1	1-1/2	2	2-1/2	3	4	6	8	10*
150UTDZM	150	335	419	484	748	935	1,935	1,935	2,827	6,485	12,579	26,483
150UTDZM-FS	150	376	435	530	839	1,047	2,044	2,044	3,042	6,848	13,134	27,279
Weight		5	6	8	16	16	40	49	82	187	304	562
300UTDZM	300	534	641	791	1,224	1,529	3,919	3,919	4,836	11,393	19,784	-
300UTDZM-FS	300	581	690	857	1,325	1,646	4,105	4,105	5,040	11,823	20,230	-
Weight		6	9	11	24	33	60	75	123	254	403	-

*Complete with gear operator (Figure number to be preceded by "G").

STAINLESS STEEL

**SPLIT BODY, FLOATING BALL VALVE
FULL PORT, FLANGED
CLASS 150, 300**

FIGURE NUMBER	CLASS	10	12
A150F-F14A/G-SS/316-T	150	POA	POA
A150F-F14A/G-SS/316-FSM	150	POA	POA
Weight		486	796
A300F-F14A/G-SS/316-T	300	POA	POA
A300F-F14A/G-SS/316-FSM	300	POA	POA
Weight		796	995

**SPLIT BODY, FLOATING BALL VALVE
SINGLE REDUCED PORT, FLANGED
CLASS 150, 300**

FIGURE NUMBER	CLASS	12	14	16
A150R-F14/G-SS/316-T	150	POA	-	-
A150R-F14/G-SS/316-FSM	150	POA	-	-
A150R-F18/G-SS/316-T	150	-	POA	POA
A150R-F18/G-SS/316-FSM	150	-	POA	POA
Weight		420	597	862
A300R-F14/G-SS/316-T	300	POA	-	-
A300R-F14/G-SS/316-FSM	300	POA	-	-
Weight		707		

**SPLIT BODY, FLOATING BALL VALVE
FULL PORT, FLANGED
CLASS 600**

FIGURE NUMBER	CLASS	1/2	3/4	1	1-1/2	2	3	4	6*
A600F-F14AN-SS/316-FSM	600	1,163	1,301	1,563	2,032	2,516	4,947	10,105	POA
Weight		9	11	15	27	40	79	172	243

*Single Reduction/Regular Port with no ISO 5211 mounting pad. Figure number is A600R-F14-SS/316-FSM

SPECIALTY VALVES

3-WAY MULTI-PORT

**ONE PIECE (BACK ENTRY), 4-SEAT L-PORT/T-PORT BALL VALVE
FULL PORT (1/2"-4"), SINGLE REDUCED PORT (6"-8") FLANGED
CLASS 150**

FIGURE NUMBER	CLASS	1/2	3/4	1	1-1/2	2	2-1/2	3	4	6	8
15OUTB4LAM (L-PORT)	150	1,911	2,502	2,860	4,201	4,837	7,647	7,647	10,703	-	-
15OUTR4LAM (L-PORT)	150	-	-	-	-	-	-	-	-	16,459	21,994
15OUTB4TAM (T-PORT)	150	2,101	2,752	3,148	4,620	5,320	8,412	8,412	11,775	-	-
15OUTR4TAM (T-PORT)	150	-	-	-	-	-	-	-	-	18,107	24,196
Weight		9	11	17	30	40	57	73	117	181	276

SEGMENTED

**V-PORT (LAMBDA) CONTROL VALVE (SEGMENTED)
CLASS 150, 300**

FIGURE NUMBER	CLASS	1	1-1/2	2	2-1/2	3	4	6	8	10	12
150UVCM	150	1,751	2,291	2,744	3,944	3,944	5,503	10,972	14,541	19,683	57,310
150UVCTM	150	2,192	3,053	3,316	5,112	5,112	7,379	12,998	17,358	24,580	76,418
Weight (Bare Stem)		8	14	25	31	36	60	124	214	331	519
300UVCM	300	2,489	3,280	3,803	5,091	6,217	8,227	14,732	23,850	33,484	-
300UVCTM	300	2,778	3,836	4,437	6,113	7,240	9,559	17,186	27,687	41,003	-
Weight (Bare Stem)		9	18	33	44	59	90	159	296	463	-
Lever Handle*		201	235	235	302	302	324	-	-	-	-

*If lever handle is required, prefix figure number with "L".

CAVITY FILLED

**SPLIT BODY, FLOATING BALL VALVE
FULL PORT FLANGED, POCKETLESS
CLASS 150**

FIGURE NUMBER	CLASS	1/2	3/4	1	1-1/2	2	2-1/2"	3	4	6	8
15OUTBPM	150	465	581	672	1,039	1,302	2,689	2,689	3,926	14,055	29,458
Weight		6	7	9	18	28	46	57	94	207	341

SPECIALTY VALVES

GRAPHITE SEAT

**SPLIT BODY, CARBON STEEL, ISO 5211 MOUNTING PAD, LIVE LOADED PACKING
FULL PORT, FLANGED
CLASS 150, 300
-20 °F TO 932 °F**

FIGURE NUMBER	CLASS	1/2	3/4	1	1-1/2	2	2-1/2	3	4	6*	8*
150SCTDZ3HM	150	1,048	1,105	1,321	1,747	2,046	3,437	3,437	5,411	12,517	24,125
Weight		5	6	8	16	24	40	49	82	197	315
300SCTDZ3HM	300	1,079	1,180	1,391	1,928	2,259	4,202	4,202	6,961*	13,642	24,472
Weight		6	9	11	24	33	59	75	123	254	403

*Complete with gear operator (Figure number to be preceded by "G").

GRAPHITE SEAT

**SPLIT BODY, STAINLESS STEEL, ISO 5211 MOUNTING PAD, LIVE LOADED PACKING
FULL PORT, FLANGED
CLASS 150, 300
-20 °F TO 932 °F**

FIGURE NUMBER	CLASS	1/2	3/4	1	1-1/2	2	2-1/2	3	4	6*	8*
150UTDZ3HM	150	1,251	1,315	1,681	2,417	2,859	5,367	5,367	7,442	18,038	34,674
Weight		5	6	8	16	24	40	49	82	197	315
300UTDZ3HM	300	1,332	1,728	2,043	2,839	3,445	6,809	6,809	9,188*	21,611	41,946
Weight		6	9	11	24	33	59	75	123	254	403

*Complete with gear operator (Figure number to be preceded by "G").

METAL SEAT

**SPLIT BODY, CARBON STEEL, ISO 5211 MOUNTING PAD, LIVE LOADED PACKING
FULL PORT, FLANGED
CLASS 150, 300
-20 °F TO 572 °F**

FIGURE NUMBER	CLASS	1/2	3/4	1	1-1/2	2	2-1/2	3	4	6*	8*
150SCTDZ5HM	150	955	1,186	1,412	1,990	2,562	4,363	4,363	5,534	11,441	21,995
Weight		5	6	8	16	24	40	49	82	197	315
300SCTDZ5HM	300	1,262	1,601	1,970	2,991	3,394	5,032	5,032	8,240*	14,387	25,222
Weight		6	9	11	24	33	59	75	123	254	403

*Complete with gear operator (Figure number to be preceded by "G").

**SPLIT BODY, STAINLESS STEEL, ISO 5211 MOUNTING PAD, LIVE LOADED PACKING
FULL PORT, FLANGED
CLASS 150, 300
-20 °F TO 572 °F**

FIGURE NUMBER	CLASS	1/2	3/4	1	1-1/2	2	2-1/2	3	4	6*	8*
150UTDZ5HM	150	1,177	1,463	1,865	2,656	3,530	5,709	5,709	8,070	16,514	31,617
Weight		5	6	8	16	24	40	49	82	197	315
300UTDZ5HM	300	1,979	2,508	3,168	4,560	5,228	9,064	9,064	12,684*	27,338	49,909
Weight		6	9	11	24	33	59	75	123	254	403

*Complete with gear operator (Figure number to be preceded by "G").

SPECIALTY VALVES

METAL SEAT

**SPLIT BODY, CARBON STEEL, ISO 5211 MOUNTING PAD, LIVE LOADED PACKING
 FULL PORT, FLANGED
 CLASS 150, 300
 -20°F TO 932°F (HARD-FACED BALL)**

FIGURE NUMBER	CLASS	1/2	3/4	1	1-1/2	2	2-1/2	3	4	6*	8*
150SCTDZ6HM	150	1,344	1,667	2,124	2,937	5,463	9,073	9,073	12,024	35,367	52,795
Weight		5	6	8	16	24	40	49	82	197	315
300SCTDZ6HM	300	1,768	2,250	2,762	4,198	6,457	10,845	10,845	13,559*	39,169	-
Weight		6	9	11	24	33	59	75	123	254	-

*Complete with gear operator (Figure number to be preceded by "G").

**SPLIT BODY, STAINLESS STEEL, ISO 5211 MOUNTING PAD, LIVE LOADED PACKING
 FULL PORT, FLANGED
 CLASS 150, 300
 -20°F TO 932°F (HARD-FACED BALL)**

FIGURE NUMBER	CLASS	1/2	3/4	1	1-1/2	2	2-1/2	3	4	6*	8*
150UTDZ6HM	150	1,656	2,052	2,616	3,725	6,608	10,954	10,954	14,446	43,981	70,949
Weight		5	6	8	16	24	40	49	82	197	315
300UTDZ6HM	300	2,780	3,539	4,445	6,399	10,581	15,891	15,891	21,717*	62,575	-
Weight		6	9	11	24	33	59	75	123	254	-

*Complete with gear operator (Figure number to be preceded by "G").

SPECIALTY VALVES

CRYOGENIC SERVICE

**END ENTRY, FLOATING BALL VALVE
SINGLE REDUCED PORT, FLANGED
CLASS 150, 300
BOLTED EXTENSION
-320°F TO 400°F**

FIGURE NUMBER	CLASS	1/2	3/4	1	1-1/2	2	3	4	6	8*	10*
150UTALM	150	POA	POA	POA	POA	POA	POA	POA	POA	POA	POA
Weight											
300UTALM	300	POA	POA	POA	POA	POA	POA	POA	POA	POA	POA
Weight											
SEAL WELDED EXTENSION ADDER	-	POA	POA	POA	POA	POA	POA	POA	POA	POA	POA
LOW TEMPERATURE TEST^	-	POA	POA	POA	POA	POA	POA	POA	POA	POA	POA

*Complete with gear operator (Figure number to be preceded by "G").
^Test is in accordance with SHELL MESC Specification 77/306.

**TRUNNION VALVES
CARBON STEEL and STAINLESS STEEL**

PLEASE CONTACT KCA FOR
TECHNICAL DATA and PRICING

SPECIALTY VALVES

IRON

**SPLIT BODY, FLOATING BALL VALVE
FULL and SINGLE REDUCED PORT, FLAT FACE FLANGES
CLASS 125**

FIGURE NUMBER	2	2-1/2	3	4	6	8	10
125FCTB (Full Port)	PLEASE SEE COMMERCIAL BALL VALVE PRICE SHEET						
Weight							
125FCTR (Regular Port)							
Weight							

PNEUMATIC ACTUATORS

**CLOSE COUPLED RACK & PINION VALVES
C-SERIES PNEUMATIC ACTUATORS WITH COMPACT SINGLE REDUCED PORT BALL VALVES**

Threaded Stainless Steel Ball Valve with Double Acting Actuator

FIGURE NUMBER	1/4	3/8	1/2	3/4	1	1-1/4	1-1/2	2
C-AKUTE	340	340	344	358	396	523	626	711

Threaded Stainless Steel Ball Valve with Spring Return Actuator

FIGURE NUMBER	1/4	3/8	1/2	3/4	1	1-1/4	1-1/2	2
CS-AKUTE	472	472	476	499	573	-	-	-

Threaded Bronze Ball Valve with Double Acting Actuator

FIGURE NUMBER	1/4	3/8	1/2	3/4	1	1-1/4	1-1/2	2
C-AKTE	-	288	288	302	320	393	485	555

Threaded Bronze Ball Valve with Double Acting Actuator

FIGURE NUMBER	1/4	3/8	1/2	3/4	1	1-1/4	1-1/2	2
CS-AKTE	-	434	417	456	559	-	-	-

ELECTRIC ACTUATORS

CLOSE COUPLED ELECTRIC ACTUATORS EA/ED-SERIES ELECTRIC ACTUATORS WITH COMPACT SINGLE REDUCED PORT BALL VALVES*

Threaded Stainless Steel Ball Valve** with 12/24VDC Bi-Directional Actuator. NEMA 4.

FIGURE NUMBER	1/4	3/8	1/2	3/4	1	1-1/4	1-1/2	2
ED12-AKUTE/ED24-AKUTE	413	421	442	468	758	1,014	1,124	1,359

Threaded Bronze Ball Valve with 12/24VDC Bi-Directional Actuator. NEMA 4.

FIGURE NUMBER	1/4	3/8	1/2	3/4	1	1-1/4	1-1/2	2
ED12-AKTE/ED24-AKTE	-	354	366	379	657	775	872	1,032

Threaded Stainless Steel Ball Valve with 110/220VAC Bi-Directional Actuator. NEMA 4.

FIGURE NUMBER	1/4	3/8	1/2	3/4	1	1-1/4	1-1/2	2
EA100-AKUTE/EA200-AKUTE	336	345	357	379	548	955	1,002	1,141

Threaded Bronze Ball Valve with 110/220VAC Bi-Directional Actuator. NEMA 4.

FIGURE NUMBER	1/4	3/8	1/2	3/4	1	1-1/4	1-1/2	2
EA100-AKTE/EA200-AKTE	-	291	298	316	438	631	817	905

Threaded Bronze Horizontal 3-Way Ball Valve with 110/220VAC Bi-Directional Actuator. L-Port. NEMA 4.

FIGURE NUMBER	1/4	3/8	1/2	3/4	1	1-1/4	1-1/2	2
EA100-AKTNE/EA200-AKTNE	321	321	357	379	527	704	905	976

*Please contact KCA for other configurations such as full port, stended stems and verticle 3-way valves.

** DOUBLE REDUCED PORT

**THREADED, SOCKET WELD & BUTTWELD
CARBON STEEL**

**600 W.O.G. - DOUBLE REDUCED PORT
THREADED**

FIGURE NUMBER	1/4	3/8	1/2	3/4	1	1-1/4	1-1/2	2
AKSCTK (#50)	30	30	30	39	48	65	88	120
PCS/BOX	20	20	20	16	9	8	6	4
WT/BOX	3	5	8	10	9	13	12	13

**2000 W.O.G. 91500 W.O.G. 2")/125 W.S.P. - SINGLE REDUCED PORT
THREADED**

FIGURE NUMBER	1/4	3/8	1/2	3/4	1	1-1/4	1-1/2	2
AKSCTAHM (#49M)	41	41	41	48	78	160	192	246
PCS/BOX	10	10	10	8	8	4	2	2
WT/BOX	6	6	6	9	12	10	6	12

**2000 W.O.G. (1500 W.O.G. 1-1/4"-2")/240 W.S.P. (220 W.S.P. 1-1/4"-2"), FIRESAFE UNIBODY - DOUBLE REDUCED PORT
THREADED**

PLEASE NOTE: KITZ INVENTORY STANDARD (IN ITALICS) IS LOCKING OVAL (1/4"-1") and LOCKING LEVER (1-1/4"-2")

FIGURE NUMBER	1/4	3/8	1/2	3/4	1	1-1/4	1-1/2	2
AKSCTKZM-FS (#119)	45	45	45	54	63	<i>132</i>	<i>135</i>	<i>155</i>
PCS/BOX	8	8	8	8	8	30*	18*	10*
WT/BOX	5	5	7	9	11	58	51	51
AKSCTKZM-FSO (#119-LOH)	<i>49</i>	<i>49</i>	<i>49</i>	<i>59</i>	<i>67</i>	137	140	161
PCS/BOX	8	8	8	8	8	20*	12*	8*
WT/BOX	5	5	7	9	11	42	43	36

*Carton quantity/bagged individually.

**THREADED, SOCKET WELD & BUTTWELD
CARBON STEEL**

**2000 W.O.G. (1500 W.O.G. 1-1/4"-2")/240 W.S.P. (220 W.S.P. 1-1/4"-2"), 2-PC - SINGLE REDUCED PORT
THREADED**

PLEASE NOTE: KITZ INVENTORY STANDARD (IN ITALICS) IS LOCKING OVAL (1/4"-1") and LOCKING LEVER (1-1/4"-2")

FIGURE NUMBER	1/4	3/8	1/2	3/4	1	1-1/4	1-1/2	2
AKSCTHZM (#217)	49	49	49	64	94	<i>174</i>	<i>215</i>	<i>273</i>
AKSCTHZM-FS (#219)	61	61	61	80	110	<i>194</i>	<i>241</i>	<i>299</i>
PCS/BOX	8	8	6	6	4	30*	16*	12*
WT/BOX	5	5	7	9	11	66	58	68
AKSCTHZM-O (#217-LOH)	<i>53</i>	<i>53</i>	<i>53</i>	<i>70</i>	<i>98</i>	180	220	278
AKSCTHZM-FSO (#219-LOH)	<i>65</i>	<i>65</i>	<i>65</i>	<i>84</i>	<i>115</i>	199	246	305
PCS/BOX	8	8	6	6	4	20*	12*	8*
WT/BOX	6	6	5	7	9	48	46	47

*Carton quantity/bagged individually.

**2000 W.O.G. (1500 W.O.G. 1-1/4"-2")/240 W.S.P. (220 W.S.P. 1-1/4"-2"), SEAL WELDED 2-PC - SINGLE REDUCED PORT
THREADED**

PLEASE NOTE: KITZ INVENTORY STANDARD (IN ITALICS) IS LOCKING OVAL (1/4"-1") and LOCKING LEVER (1-1/4"-2")

FIGURE NUMBER	1/4	3/8	1/2	3/4	1	1-1/4	1-1/2	2
AKSCTHWZM (#237)	69	69	69	99	131	<i>200</i>	<i>264</i>	<i>340</i>
AKSCTHWZM-FS (#239)	82	82	82	120	147	<i>219</i>	<i>294</i>	<i>382</i>
PCS/BOX	33	33	23	15	10	30*	16*	12*
WT/BOX	15	15	15	15	19	66	58	68
AKSCTHWZM-O (#237-LOH)	<i>72</i>	<i>72</i>	<i>72</i>	<i>99</i>	<i>129</i>	196	257	329
AKSCTHWZM-FSO (#239-LOH)	<i>88</i>	<i>88</i>	<i>88</i>	<i>127</i>	<i>157</i>	232	312	405
PCS/BOX	8	8	6	6	4	20*	12*	8*
WT/BOX	6	6	5	7	9	48	46	47

*Carton quantity/bagged individually.

**1500 W.O.G. (1000 W.O.G. 2-1/2")/240 W.S.P. (186 W.S.P. 2-1/2"), 3-PC - SINGLE REDUCED PORT
THREADED**

PLEASE NOTE: KITZ INVENTORY STANDARD (IN ITALICS) IS LOCKING OVAL (1/4"-1") and LOCKING LEVER (1-1/4"-2-1/2")

FIGURE NUMBER	1/4	3/8	1/2	3/4	1	1-1/4	1-1/2	2	2-1/2	
AKSC3THZM (#317)	SEE FULL PORT VALVES		117	146	184	<i>260</i>	<i>307</i>	<i>405</i>	<i>758</i>	
AKSC3THZM-FS (#319)			124	154	195	<i>274</i>	<i>324</i>	<i>427</i>	<i>799</i>	
PCS/BOX			10	10	6	4	4	2	1	
WT/BOX			20	30	30	32	36	28	29	
AKSC3THZM-O (#317-LOH)			<i>121</i>	<i>150</i>	<i>187</i>	274	PLEASE CONTACT KCA			
AKSC3THZM-FSO (#319-LOH)			<i>126</i>	<i>157</i>	<i>197</i>	287				
PCS/BOX			10	10	6	6				
WT/BOX			20	30	30	48				

**THREADED, SOCKET WELD & BUTTWELD
CARBON STEEL**

**1500 W.O.G. (1000 W.O.G. 2-1/2")/240 W.S.P. (186 W.S.P. 2-1/2"), 3-PC - SINGLE REDUCED PORT
SOCKET WELD**

PLEASE NOTE: KITZ INVENTORY STANDARD (IN ITALICS) IS LOCKING OVAL (1/4"-1") and LOCKING LEVER (1-1/4"-2-1/2")

FIGURE NUMBER	1/4	3/8	1/2	3/4	1	1-1/4	1-1/2	2	2-1/2	
AWSC3THZM (#317S)	SEE FULL PORT VALVES		122	152	193	274	322	426	796	
AWSC3THZM-FS (#319S)			131	162	204	287	340	449	838	
PCS/BOX			10	10	6	4	4	2	1	
WT/BOX			20	30	30	32	36	28	29	
AWSC3THZM (#317S-LOH)			<i>127</i>	<i>158</i>	<i>197</i>	<i>287</i>	PLEASE CONTACT KCA			
AWSC3THZM-FS (#319S-LOH)			<i>133</i>	<i>165</i>	<i>207</i>	302				
PCS/BOX			10	10	6	6				
WT/BOX			20	30	30	48				

**1500 W.O.G. (1000 W.O.G. 2-1/2")/240 W.S.P. (186 W.S.P. 2-1/2"), 3-PC - SINGLE REDUCED PORT
BUTTWELD**

PLEASE NOTE: KITZ INVENTORY STANDARD (IN ITALICS) IS LOCKING OVAL (1/4"-1") and LOCKING LEVER (1-1/4"-2-1/2")

FIGURE NUMBER	1/4	3/8	1/2	3/4	1	1-1/4	1-1/2	2	2-1/2
BWSC3THZM (#317B)	PLEASE CONTACT KCA FOR TECHNICAL DATA and PRICING								
BWSC3THZM-FS (#319B)									
PCS/BOX									
WT/BOX									
BWSC3THZM-O (#317B-LOH)									
BWSC3THZM-FSO (#319B-LOH)									
PCS/BOX									
WT/BOX									

**1500 W.O.G. (1000 W.O.G. 2")/240 W.S.P. (186 W.S.P. 2"), 3-PC - FULL PORT
THREADED**

PLEASE NOTE: KITZ INVENTORY STANDARD (IN ITALICS) IS LOCKING OVAL (1/4"-1") and LOCKING LEVER (1-1/4"-2")

FIGURE NUMBER	1/4	3/8	1/2	3/4	1	1-1/4	1-1/2	2
AKSC3TFZM (#317F)	117	117	146	169	246	302	365	754
AKSC3TFZM-FS (#319F)	124	124	154	178	260	318	384	793
PCS/BOX	10	10	10	10	6	4	2	1
WT/BOX	20	20	30	50	58	36	30	29
AKSC3TFZM-O (#317F-LOH)	<i>121</i>	<i>121</i>	<i>150</i>	<i>173</i>	<i>250</i>	316	PLEASE CONTACT KCA	
AKSC3TFZM-FSO (#319F-LOH)	<i>127</i>	<i>127</i>	<i>158</i>	<i>181</i>	<i>263</i>	332		
PCS/BOX	10	10	10	6	4	6		
WT/BOX	20	20	30	30	33	55		

**THREADED, SOCKET WELD & BUTTWELD
CARBON STEEL**

**1500 W.O.G. (1000 W.O.G. 2-1/2")/240 W.S.P. (186 W.S.P. 2-1/2"), 3-PC - FULL PORT
SOCKET WELD**

PLEASE NOTE: KITZ INVENTORY STANDARD (IN ITALICS) IS LOCKING OVAL (1/4"-1") and LOCKING LEVER (1-1/4"-2")

FIGURE NUMBER	1/4	3/8	1/2	3/4	1	1-1/4	1-1/2	2
AWSC3TFZM (#317FS)	122	122	152	177	259	317	382	792
AWSC3TFZM-FS (#319FS)	131	131	162	188	274	335	403	833
PCS/BOX	10	10	10	10	6	4	2	1
WT/BOX	20	20	30	50	58	36	30	29
AWSC3TFZM-O (#317FS-LOH)	<i>128</i>	<i>128</i>	<i>158</i>	<i>184</i>	<i>263</i>	<i>332</i>	PLEASE CONTACT KCA	
AWSC3TFZM-FSO (#319FS-LOH)	<i>133</i>	<i>133</i>	<i>166</i>	<i>191</i>	<i>276</i>	<i>348</i>		
PCS/BOX	10	10	10	6	4	6		
WT/BOX	20	20	30	30	33	55		

**1500 W.O.G. (1000 W.O.G. 2-1/2")/240 W.S.P. (186 W.S.P. 2-1/2"), 3-PC - FULL PORT
BUTTWELD**

PLEASE NOTE: KITZ INVENTORY STANDARD (IN ITALICS) IS LOCKING OVAL (1/4"-1") and LOCKING LEVER (1-1/4"-2")

FIGURE NUMBER	1/4	3/8	1/2	3/4	1	1-1/4	1-1/2	2
BWSC3TFZM (#317FB)								
BWSC3TFZM-FS (#319FB)								
PCS/BOX								
WT/BOX								
BWSC3TFZM-O (#317FB-LOH)								
BWSC3TFZM-FSO (#319FB-LOH)								
PCS/BOX								
WT/BOX								

**PLEASE CONTACT KCA FOR
TECHNICAL DATA and PRICING**

**HIGH PRESSURE THREADED & SOCKET WELD*
FORGED CARBON STEEL**

**CLASS 1500, 3-PC, FULL PORT, A105N with STAINLESS STEEL TRIM, PEEK SEATS with HNBR O-RINGS. NACE MR0175. API 607. LOCKING LEVER.
THREADED CAPS.**

FIGURE NUMBER	1/2	3/4	1	1-1/2	2
AK3000SCTFZM-FS (#3K19F)	93	121	161	311	448
PCS/BOX	12	6	6	2	2
WT/BOX	35	27	33	28	45

**CLASS 2500, 3-PC, FULL PORT, A105N with STAINLESS STEEL TRIM, PEEK SEATS with HNBR O-RINGS. NACE MR0175. API 607. LOCKING LEVER.
THREADED CAPS.**

FIGURE NUMBER	1/2	3/4	1	1-1/2	2
AK6000SCTFZM-FS (#6K19F)	157	228	296	615	1,008
PCS/BOX	10	6	6	2	2
WT/BOX	34	29	41	43	52

***PLEASE CONTACT KCA FOR SOCKET WELD PRICING.**

**HIGH PRESSURE THREADED & SOCKET WELD*
FORGED CARBON STEEL, continued**

CLASS 1500, 3-PC, FULL PORT, A105N with STAINLESS STEEL TRIM, PEEK SEATS with HNBR O-RINGS. NACE MR0175. API 607. LOCKING LEVER. SEAL WELDED CAPS.

FIGURE NUMBER	1/2	3/4	1	1-1/2	2
AK3000SCTFWZM-FS (#3KW19F)	124	161	215	415	597
PCS/BOX	12	6	6	2	2
WT/BOX	35	27	33	28	45

CLASS 2500, 3-PC, FULL PORT, A105N with STAINLESS STEEL TRIM, PEEK SEATS with HNBR O-RINGS. NACE MR0175. API 607. LOCKING LEVER. SEAL WELDED CAPS.

FIGURE NUMBER	1/2	3/4	1	1-1/2	2
AK6000SCTFWZM-FS (#6KW19F)	209	304	395	820	1,344
PCS/BOX	10	6	6	2	2
WT/BOX	34	29	41	43	52

CLASS 1500, 3-PC, FULL PORT, A105N with STAINLESS STEEL TRIM, PEEK SEATS with HNBR O-RINGS. NACE MR0175. API 607. LOCKING LEVER. SEAL WELDED CAPS with SOCKET WELD x THREADED ENDS.

FIGURE NUMBER	1/2	3/4	1	1-1/2	2
AK/AW3000SCTFWZM-FS (#3KW19F-T)	210	272	363	701	1,009
PCS/BOX	12	6	6	2	2
WT/BOX	35	27	33	28	45

CLASS 2500, 3-PC, FULL PORT, A105N with STAINLESS STEEL TRIM, PEEK SEATS with HNBR O-RINGS. NACE MR0175. API 607. LOCKING LEVER. SEAL WELDED CAPS with SOCKET WELD x THREADED ENDS.

FIGURE NUMBER	1/2	3/4	1	1-1/2	2
AK/AW6000SCTFWZM-FS (#6KW19F-T)	353	514	667	1,385	2,271
PCS/BOX	10	6	6	2	2
WT/BOX	34	29	41	43	52

**THREADED, SOCKET WELD & BUTTWELD
STAINLESS STEEL**

**600 W.O.G - DOUBLE REDUCED PORT
THREADED**

FIGURE NUMBER	1/4	3/8	1/2	3/4	1	1-1/4	1-1/2	2
AKUTKM (#52)	34	37	45	56	79	122	140	208
PCS/BOX	20	20	20	16	9	8	6	4
WT/BOX	3	5	8	10	9	13	12	13

**2000 W.O.G. (1500 W.O.G. 2")/125 W.S.P. - SINGLE REDUCED PORT
THREADED**

FIGURE NUMBER	1/4	3/8	1/2	3/4	1	1-1/4	1-1/2	2
AKUTAHM (#39)	49	49	49	79	97	184	198	258
PCS/BOX	10	10	10	8	8	4	2	2
WT/BOX	6	6	6	9	12	10	6	12

**800 W.O.G - FULL PORT
THREADED**

FIGURE NUMBER	1/2	3/4	1	1-1/4	1-1/2	2
AKUTFM (#53F)	113	135	159	259	340	452
PCS/BOX	8	8	6	6	2	2
WT/BOX	7	11	12	16	9	15

**2000 W.O.G. (1500 W.O.G. 1-1/4"-2")/240 W.S.P. (186 W.S.P. 1-1/4"-2"), FIRESAFE UNIBODY - DOUBLE REDUCED PORT
THREADED**

PLEASE NOTE: KITZ INVENTORY STANDARD (IN ITALICS) IS LOCKING OVAL (1/4"-1") and LOCKING LEVER (1-1/4"-2")

FIGURE NUMBER	1/4	3/8	1/2	3/4	1	1-1/4	1-1/2	2
AKUTKZM-FS (#129)	65	65	65	76	95	<i>195</i>	<i>214</i>	<i>234</i>
PCS/BOX	25	20	20	15	10	30*	18*	10*
WT/BOX	9	7	12	13	12	58	51	51
AKUTKZM-FSO (#129-LOH)	<i>69</i>	<i>69</i>	<i>69</i>	<i>80</i>	<i>99</i>	200	219	239
PCS/BOX	8	8	8	8	8	20*	12*	8*
WT/BOX	5	5	7	9	11	42	43	36

*Carton quantity/bagged individually.

**THREADED, SOCKET WELD & BUTTWELD
STAINLESS STEEL**

**2000 W.O.G. (1500 W.O.G. 1-1/4"-2")/240 W.S.P. (186 W.S.P. 1-1/4"-2"), 2-PC - SINGLE REDUCED PORT
THREADED**

PLEASE NOTE: KITZ INVENTORY STANDARD (IN ITALICS) IS LOCKING OVAL (1/4"-1") and LOCKING LEVER (1-1/4"-2")

FIGURE NUMBER	1/4	3/8	1/2	3/4	1	1-1/4	1-1/2	2
AKUTHZM (#227)	58	58	58	92	109	213	264	276
AKUTHZM-FS (#229)	71	71	71	106	126	232	290	302
PCS/BOX	\$35	\$35	\$24	\$16	\$11	30*	16*	12*
WT/BOX	15	15	15	15	19	66	58	68
AKUTHZM-O (#227-LOH)	63	63	63	95	114	219	270	282
AKUTHZM-FSO (#229-LOH)	76	76	76	111	130	237	296	309
PCS/BOX	8	8	6	6	4	20*	12*	8*
WT/BOX	6	6	5	7	9	48	46	47

*Carton quantity/bagged individually.

**2000 W.O.G. (1500 W.O.G. 1-1/4"-2")/240 W.S.P. (186 W.S.P. 1-1/4"-2"), SEAL WELDED 2-PC - SINGLE REDUCED PORT
THREADED**

PLEASE NOTE: KITZ INVENTORY STANDARD (IN ITALICS) IS LOCKING OVAL (1/4"-1") and LOCKING LEVER (1-1/4"-2")

FIGURE NUMBER	1/4	3/8	1/2	3/4	1	1-1/4	1-1/2	2
AKUTHWZM (#247)	125	125	137	171	249	340	440	533
AKUTHWZM-FS (#249)	136	136	150	185	264	357	463	558
PCS/BOX	33	33	23	15	10	30*	16*	12*
WT/BOX	15	15	15	15	19	66	58	68
AKUTHWZM-O (#247-LOH)	129	129	142	176	253	346	445	539
AKUTHWZM-FSO (#249-LOH)	140	140	154	189	268	362	468	563
PCS/BOX	8	8	6	6	4	20*	12*	8*
WT/BOX	6	6	5	7	9	48	46	47

*Carton quantity/bagged individually.

**1500 W.O.G. (1000 W.O.G. 2-1/2")/240 W.S.P. (186 W.S.P. 2-1/2"), 3-PC - SINGLE REDUCED PORT
THREADED**

PLEASE NOTE: KITZ INVENTORY STANDARD (IN ITALICS) IS LOCKING OVAL (1/4"-1") and LOCKING LEVER (1-1/4"-2")

FIGURE NUMBER	1/4	3/8	1/2	3/4	1	1-1/4	1-1/2	2	2-1/2	
AKU3THZM (#327)	SEE FULL PORT VALVES		174	231	288	367	457	610	1,116	
AKU3THZM-FS (#329)			214	267	335	408	493	694	1,168	
PCS/BOX			10	10	6	4	4	2	1	
WT/BOX			20	30	30	32	36	28	29	
AKU3THZM-O (#327-LOH)			177	233	291	380	PLEASE CONTACT KCA			
AKU3THZM-FSO (#329-LOH)			218	269	337	422				
PCS/BOX			10	10	6	6				
WT/BOX			20	30	30	48				

**THREADED, SOCKET WELD & BUTTWELD
STAINLESS STEEL**

**1500 W.O.G. (1000 W.O.G. 2-1/2")/240 W.S.P. (186 W.S.P. 2-1/2"), 3-PC - SINGLE REDUCED PORT
SOCKET WELD**

PLEASE NOTE: KITZ INVENTORY STANDARD (IN ITALICS) IS LOCKING OVAL (1/4"-1") and LOCKING LEVER (1-1/4"-2")

FIGURE NUMBER	1/4	3/8	1/2	3/4	1	1-1/4	1-1/2	2	2-1/2	
AWU3THZM (#327S)	SEE FULL PORT VALVES		182	244	303	386	480	640	1,172	
AWU3THZM-FS (#329S)			225	280	351	429	517	729	1,226	
PCS/BOX			10	10	6	4	4	2	1	
WT/BOX			20	30	30	32	36	28	29	
AWU3THZM-O (#327S-LOH)			186	245	306	399	PLEASE CONTACT KCA			
AWU3THZM-FSO (#329S-LOH)			229	283	354	444				
PCS/BOX			10	10	6	6				
WT/BOX			20	30	30	48				

**1500 W.O.G. (1000 W.O.G. 2-1/2")/240 W.S.P. (186 W.S.P. 2-1/2"), 3-PC - SINGLE REDUCED PORT
SOCKET WELD**

PLEASE NOTE: KITZ INVENTORY STANDARD (IN ITALICS) IS LOCKING OVAL (1/4"-1") and LOCKING LEVER (1-1/4"-2")

FIGURE NUMBER	1/4	3/8	1/2	3/4	1	1-1/4	1-1/2	2	2-1/2
BWU3THZM (#327B)	PLEASE CONTACT KCA FOR TECHNICAL DATA and PRICING								
BWU3THZM-FS (#329B)									
PCS/BOX									
WT/BOX									
BWU3THZM-O (#327B-LOH)									
BWU3THZM-FSO (#329B-LOH)									
WT/BOX									

**1500 W.O.G. (1000 W.O.G. 2")/240 W.S.P. (186 W.S.P. 2"), 3-PC - FULL PORT
THREADED**

PLEASE NOTE: KITZ INVENTORY STANDARD (IN ITALICS) IS LOCKING OVAL (1/4"-1") and LOCKING LEVER (1-1/4"-2")

FIGURE NUMBER	1/4	3/8	1/2	3/4	1	1-1/4	1-1/2	2
AKU3TFZM (#327F)	174	174	231	288	352	457	610	1,116
AKU3TFZM-FS (#329F)	214	214	267	321	393	493	635	1,168
PCS/BOX	10	10	10	10	6	4	2	1
WT/BOX	20	20	30	50	58	36	30	29
AKU3TFZM-O (#327F-LOH)	177	177	233	291	354	472	PLEASE CONTACT KCA	
AKU3TFZM-FSO (#329F-LOH)	218	218	271	324	396	506		
PCS/BOX	10	10	10	6	4	6		
WT/BOX	20	20	30	30	33	55		

**THREADED, SOCKET WELD & BUTTWELD
STAINLESS STEEL**

**1500 W.O.G. (1000 W.O.G. 2")/240 W.S.P. (186 W.S.P. 2"), 3-PC - FULL PORT
SOCKET WELD**

PLEASE NOTE: KITZ INVENTORY STANDARD (IN ITALICS) IS LOCKING OVAL (1/4"-1") and LOCKING LEVER (1-1/4"-2")

FIGURE NUMBER	1/4	3/8	1/2	3/4	1	1-1/4	1-1/2	2
AWU3TFZM (#327FS)	182	182	244	303	370	480	640	1172
AWU3TFZM-FS (#329FS)	225	225	280	337	414	517	667	1226
PCS/BOX	10	10	10	10	6	4	2	1
WT/BOX	20	20	30	50	58	36	30	29
AWU3TFZM-O (#327FS-LOH)	<i>186</i>	<i>186</i>	<i>245</i>	<i>306</i>	<i>372</i>	521	PLEASE CONTACT KCA	
AWU3TFZM-FSO (#329FS-LOH)	<i>228</i>	<i>228</i>	<i>284</i>	<i>340</i>	<i>417</i>	560		
PCS/BOX	10	10	10	6	4	6		
WT/BOX	20	20	30	30	33	55		

**1500 W.O.G. (1000 W.O.G. 2")/240 W.S.P. (186 W.S.P. 2"), 3-PC - FULL PORT
BUTTWELD**

PLEASE NOTE: KITZ INVENTORY STANDARD (IN ITALICS) IS LOCKING OVAL (1/4"-1") and LOCKING LEVER (1-1/4"-2")

FIGURE NUMBER	1/4	3/8	1/2	3/4	1	1-1/4	1-1/2	2
BWU3TFZM (#327FB)	PLEASE CONTACT KCA FOR TECHNICAL DATA and PRICING							
BWU3TFZM-FS (#329FB)								
PCS/BOX								
WT/BOX								
BWU3TFZM-O (#327FB-LOH)								
BWU3TFZM-FSO (#329FB-LOH)								
PCS/BOX								
WT/BOX								

**HIGH PRESSURE THREADED & SOCKET WELD*
FORGED STAINLESS STEEL**

CLASS 1500, 3-PC, FULL PORT, F316 with STAINLESS STEEL TRIM, PEEK SEATS with HNBR O-RINGS. NACE MR0175. API 607. LOCKING LEVER. THREADED CAPS.

FIGURE NUMBER	1/2	3/4	1	1-1/2	2
AK3000UTFZM-FS (#3K29F)	349	462	573	1,054	1,491
PCS/BOX	12	6	6	2	2
WT/BOX	35	27	33	28	45

CLASS 2500, 3-PC, FULL PORT, F316 with STAINLESS STEEL TRIM, PEEK SEATS with HNBR O-RINGS. NACE MR0175. API 607. LOCKING LEVER. THREADED CAPS.

FIGURE NUMBER	1/2	3/4	1	1-1/2	2
AK6000UTFZM-FS (#6K29F)	463	598	735	1,872	2,912
PCS/BOX	10	6	6	2	2
WT/BOX	34	29	41	43	52

*PLEASE CONTACT KCA FOR SOCKET WELD PRICING.

CLASS 1500, 3-PC, FULL PORT, F316 with STAINLESS STEEL TRIM, PEEK SEATS with HNBR O-RINGS. NACE MR0175. API 607. LOCKING LEVER. SEAL WELDED CAPS.

FIGURE NUMBER	1/2	3/4	1	1-1/2	2
AK3000UTFWZM-FS (#3KW29F)	349	462	573	1,054	1,491
PCS/BOX	12	6	6	2	2
WT/BOX	35	27	33	28	45

CLASS 2500, 3-PC, FULL PORT, F316 with STAINLESS STEEL TRIM, PEEK SEATS with HNBR O-RINGS. NACE MR0175. API 607. LOCKING LEVER. SEAL WELDED CAPS.

FIGURE NUMBER	1/2	3/4	1	1-1/2	2
AK6000UTFWZM-FS (#6KW29F)	463	598	735	1,872	2,912
PCS/BOX	10	6	6	2	2
WT/BOX	34	29	41	43	52

*PLEASE CONTACT KCA FOR SOCKET WELD PRICING.

THREADED BRASS -AGA/CGA/UL/FM

**600 W.O.G. - FULL PORT
THREADED**

FIGURE NUMBER	1/4	3/8	1/2	3/4	1	1-1/4	1-1/2	2
AKTAFS (#68S)	PLEASE SEE COMMERCIAL BALL VALVE PRICE SHEET							
PCS/BOX								
WT/BOX								

**600 W.O.G. - FULL PORT
THREADED**

FIGURE NUMBER	1/4	3/8	1/2	3/4	1	1-1/4	1-1/2	2
AKTK (#51)	PLEASE SEE COMMERCIAL BALL VALVE PRICE SHEET							
PCS/BOX								
WT/BOX								

**600 W.O.G. - FULL PORT
THREADED**

FIGURE NUMBER	1/4	3/8	1/2	3/4	1	1-1/4	1-1/2	2	2-1/2	3	4
AKTAF (#68)	PLEASE SEE COMMERCIAL BALL VALVE PRICE SHEET										
AKTAFP (#68P)											
AKTAFM (#68M)											
AKTAFMP (#68PM)											
PCS/BOX											
WT/BOX											

LOCKING LEVER HANDLES FOR THREADED VALVES

FIGURE NUMBER	VALVE SIZE	SPECIFY MODEL NO.	LIST PRICE SEPARATE	LIST PRICE INSTALLED
AKSCTKZM-FS (#119)	1/4"	LL-10	9	14
	3/8"	LL-11	9	14
and	1/2"-3/4"	LL-12	10	16
	1"-1-1/4"	LL-13	13	17
AKUTKZM-FS (#129)	1-1/2"-2"	LL-14	13	18
AKSCTHZM (#217)				
AKSCTHZM-FS (#219)	1/2"	LL-15	10	15
AKUTHZM (#227)	3/4" & 1"	LL-16	10	15
AKUTHZM-FS (#229)	1-1/4"-1-1/2"	LL-17	12	16
and	2"	LL-18	15	19
AKSCTHWZM (#237)	2-1/2"	LL-19	15	19
AKSCTHWZM-FS (#239)				
AKUTHWZM (#247)				
AKUTHWZM-FS (#249)				
AKSC3THZM (#317)				
AKSC3THZM-FS (#319)	1/2"	LL-20	17	23
AWSC3THZM (#317S)	3/4"	LL-21	18	26
AWSC3THZM-FS (#319S)	1"	LL-22	19	26
BWSC3THZM (#317B)	1-1/4"-1-1/2"	LL-23	23	34
BWSC3THZM-FS (#319B)	2"	LL-24	32	47
AKU3THZM (#327)	2-1/2"	L-25	23	40
AKU3THZM-FS (#329)		(non-locking)		
AWU3THZM (#327S)				
AWU3THZM-FS (#329S)				
BWU3THZM (#327B)		*Handle Bolt	4	
BWU3THZM-FS (#329B)				
AKSC3TFZM (#317F)				
AKSC3TFZM-FS (#319F)	1/4"-3/8"	LL-20	17	23
AWSC3TFZM (#317FS)	1/2"	LL-21	18	26
AWSC3TFZM-FS (#319FS)	3/4"	LL-22	19	26
BWSC3TFZM (#317FB)	1"-1-1/4"	LL-23	23	34
BWSC3TFZM-FS (#319FB)	1-1/2"	LL-24	32	47
AKU3TFZM (#327F)	2"	L-25	23	40
AKU3TFZM-FS (#329F)		(non-locking)		
AWU3TFZM (#327FS)				
AWU3TFZM-FS (#329FS)				
BWU3TFZM (#327FB)		*Handle Bolt	4	
BWU3TFZM-FS (#329FB)				

OVAL HANDLE FOR FLANGED VALVES

FIGURE NUMBER	VALVE SIZE	SPECIFY MODEL NO.	LIST PRICE SEPARATE	LIST PRICE INSTALLED
150UTA/SCTAM (-FS)	1/2"	OH-20	20	24
	3/4"	OH-20	20	24
and	1"	OH-21	20	24
	1-1/2"	OH-23	47	50
300UTA/SCTAM (-FS)	2"	OH-24	62	65
150UTBZ/SCTBZM (-FS)	1/2"	OH-22	37	42
300UTBZ/SCTBZM (-FS)	3/4"	OH-22	37	42
and	1"	OH-23	47	50
AKSCTHWZM-FS (#239)	1-1/2"	OH-24	62	65
150UTB4LAM/UTB4TAM	2"	OH-24	62	65

FIGURE NUMBER	VALVE SIZE	SPECIFY MODEL NO.	LIST PRICE SEPARATE	LIST PRICE INSTALLED
150UTA/SCTAM(C) (-FS(C))	1/2"	OH-20(C)	20	24
	3/4"	OH-20(C)	20	24
and	1"	OH-21(C)	20	24
	1-1/2"	OH-23(C)	47	50
300UTA/SCTAM(C) (-FS(C))	2"	OH-24(C)	62	65
150UTBZ/SCTBZM(C) (-FS(C))	3/4"	OH-22(C)	37	42
and	1"	OH-23(C)	47	49
	1-1/2"	OH-24(C)	62	65
300UTBZ/SCTBZM(C) (-FS(C))	2"	OH-24(C)	62	65

FIGURE NUMBER	VALVE SIZE	SPECIFY MODEL NO.	LIST PRICE SEPARATE	LIST PRICE INSTALLED
150UTA/SCTAZM (-FS)	1/2"	OH-20(Z)	20	24
	3/4"	OH-20(Z)	20	24
and	1"	OH-21(Z)	20	24
	1-1/2"	OH-23(Z)	47	50
300UTA/SCTAZM (-FS)	2"	OH-24(Z)	62	65
150UTDZ/SCTDZM (-FS)	1/2"	OH-21(Z)	20	24
	3/4"	OH-21(Z)	20	24
and	1"	OH-23(Z)	47	50
	1-1/2"	OH-24(Z)	62	65
300UTDZ/SCTDZM (-FS)	2"	OH-24(Z)	62	65

OVAL HANDLE FOR THREADED VALVES

FIGURE NUMBER	VALVE SIZE	SPECIFY MODEL NO.	LIST PRICE SEPARATE	LIST PRICE INSTALLED
AKU3TM (#35) AWU3TM (#65)	1/4"-3/4" 1"-1-1/4" 1-1/2"-2"	OH-1 OH-3 OH-4	SEE COMMERCIAL BALL VALVE PRICE SHEET	
AKUTAHM (#39) AKSCTAHM (#49M)	1/4"-1/2" 3/4"-1" 1-1/4"-1-1/2" 2"	OH-2 OH-3 OH-4 OH-5	18 23 23 34	21 27 27 38
AKUTFM (#53F)	1/2" 3/4"-1" 1-1/4"-1-1/2" 2"	OH-2 OH-3 OH-4 OH-5	18 23 23 34	21 27 27 35
AKTAF (#68) (Locking Oval)	1/4"-3/8" 1/2" 3/4" 1"-1-1/4" 1-1/2"-2"	OH-1L OH-2L OH-3L OH-4L OH-5L	SEE COMMERCIAL BALL VALVE PRICE SHEET	
AKSCTKZM-FS (#119) AKUTKZM-FS (#129) (Locking Oval)	1/4" 3/8" 1/2"-3/4" 1"-1-1/4" 1-1/2"-2"	OH-10L OH-11L OH-12L OH-13L OH-14L	16 16 17 17 19	20 20 21 21 23
AKSCTHZM (#217) AKSCTHZM-FS (#219) AKUTHZM (#227) AKUTHZM-FS (#229) and AKSCTHWZM (#237) AKSCTHWZM-FS (#239) AKUTHWZM (#247) AKUTHWZM-FS (#249) (Locking Oval)	1/4"-3/8" 1/2"-3/4" 1"-1-1/4" 1-1/2"-2"	OH-15L OH-16L OH-17L OH-18L	18 18 19 21	22 22 23 26
AKSC3THZM (#317) AKSC3THZM-FS (#319) AWSC3THZM (#317S) AWSC3THZM-FS (#319S) BWSC3THZM (#317B) BWSC3THZM-FS (#319B) AKU3THZM (#327) AKU3THZM-FS (#329) AWU3THZM (#327S) AWU3THZM-FS (#329S) BWU3THZM (#327B) BWU3THZM-FS (#329B) (Locking Oval)	1/2" 3/4" 1" 1-1/4"-1-1/2" 2" 2-1/2"	OH-20L OH-21L OH-22L OH-23L OH-24L OH-25 (non-locking)	24 34 34 49 52 1,267	37 49 50 74 78 1,948

OVAL HANDLE FOR THREADED VALVES, continued

AKSC3TFZM (#317F)				
AKSC3TFZM-FS (#319F)				
AWSC3TFZM (#317FS)				
AWSC3TFZM-FS (#319FS)	1/4"-3/8"	OH-20L	24	37
BWSC3TFZM (#317FB)	1/2"	OH-21L	34	49
BWSC3TFZM-FS (#319FB)	3/4"	OH-22L	34	50
AKU3TFZM (#327F)	1"-1-1/4"	OH-23L	49	71
AKU3TFZM-FS (#329F)	1-1/2"	OH-24L	51	75
AWU3TFZM (#327FS)	2"	OH-25	1,267	1,948
AWU3TFZM-FS (#329FS)		(non-locking)		
BWU3TFZM (#327FB)				
BWU3TFZM-FS (#329FB)				
(Locking Oval)				

LOCKING STEM EXTENSIONS FOR FLANGED VALVES

**4" EXTENSION LENGTH, STAINLESS STEEL CONSTRUCTION, TOP LOCK-OUT,
CAPI/ISO 5211 MOUNT and TOP WORKS. MOUNTING HARDWARE IS INCLUDED IN KIT**

MODEL NUMBER	VALVE FIGURE NUMBER		NET PRICE MOUNTED
	TDZM	TAZM	
LSE-01	-	1/2", 3/4"	131
LSE-02	1/2", 3/4"	1"	132
LSE-03	1"	1-1/2"	152
LSE-04	1-1/2", 2"	2"	182
LSE-05	2-1/2", 3"	3", 4"	236
LSE-06	4"	6"	306

*1/2" and 3/4" TAZM have ISO F03-S mount.

CROSS REFERENCE CHART

BODY MATERIAL	KITZ	VELAN	JAMESBURY	KTM	WATTS	WORCHESTER	APOLLO
CARBON STEEL	150SCTAZM	UB150	7150112236XTM	E086232ET15	CF1500150T316	5146TT150	88A100
	300SCTAZM	UB300	7300112236XTM	E086232ET30	CF1500300T316	5246TT300	88A700
	150SCTDZM	SB150	9150112236XTM	E016232ET15	CF1800150T316	8246TT150	88A200
	300SCTDZM	SB300	9300112236XTM	E016232ET30	CF1800300T316	8346TT300	88A900
	A600F-F14AN-CS/316-FSM	-	6600112236TT	-	CF7306002	-	-
	119	HB2000	-	-	C7100M1	5846RSE	92100
	217	-	A2236TT	-	C7000	4846RSE	89100
	237	-	-	-	C7200	-	-
	317	T0802SS	4A2236TT	-	C7450	4446TTSE	-
	317F	T1802SS	4B2236TT	-	C7480	5946TTSE	83A200
	STAINLESS STEEL	150UTAZM	UB150	7150113636XTM	E083232ET15	SF2500150T316	5166TT150
300UTAZM		UB300	7300113636XTM	E083232ET30	SF2500300T316	5266TT300	87A700
150UTDZM		SB150	9150113636XTM	E013232ET15	SF2800150T316	8266TT150	87A200
300UTDZM		SB300	9300113636XTM	E013232ET30	SF2800300T316	8366TT300	87A900
A600F-F14AN-SS/316-FSM		-	6600113636TT	-	-	-	-
219		HB2000	-	-	S8100M1	5866RSE	96100
227		-	A3636TT	-	C7000	4866RSE	76100
247		-	-	-	S8200	-	-
327		T1813SS	4A3636TT	-	S8450	4466TTSE	-
327F		T1813SS	4B3636TT	-	S8480	5966TTSE	86A100
150UTB(R)4LAM		-	-	E3232L32TT150	-	-	-
150UTB(R)4LAM	-	-	E3232T32TT150	-	-	-	
COMMERCIAL	51	-	-	-	-	-	-
	68	-	-	-	B6080	-	-

This chart should be used as a general guide for converting valve figure numbers of various manufacturers to the corresponding KITZ valve figure number. A direct comparison made solely by part number is not practical since each manufacturer may have minor differences in body and trim materials, mounting pad configuration (ISO 5211), fugitive emissions ratings or seat materials. These variations do not affect operation of the valve and will allow for interchangeability between valves of various manufacturers. This information is correct based on the date of issue and may change without notice and at any time.

GENERAL TERMS and CONDITIONS

ACCEPTANCE

All quotations are for acceptance within 30 days from date of quotation unless extended in writing. In the event a purchase order is placed after this time, the Seller's company reserves the right to requote prices of all valves offered. All orders and contracts are subject to credit approval and acceptance by KITZ.

FREIGHT

All materials will be shipped F.O.B. point of shipment - no freight allowance unless otherwise stated and agreed upon with the Buyer.

PRICES

There will be added to all prices quoted any sales, excise, or similar tax which Seller may be required to collect on or in connection with the sale. Seller reserves the right to cancel any order in the event that selling prices shall be established by Federal, State or other governmental regulation with respect to the products covered by the order which shall be lower than the prices specified in the order.

ESCALATION TERMS

Prices shown in this price schedule reflect the costs in effect at the time of publication. These prices will remain firm on all products with a quoted delivery of twenty six (26) weeks or less. On products with a quoted delivery of more than 26 weeks, the Seller has a right to price and invoice at the applicable price sheet in effect at the time of shipment. In no event will the invoiced price be less than price originally quoted.

DEFERRED SHIPMENTS

If for any reason the Buyer desires to delay shipments more than 30 days after manufacturing or to place a hold or to stop the order during the manufacturing cycle, the Seller's company reserves the right to consider the order cancelled and to invoke cancellation charges.

CREDIT TERMS

As quoted. Overdue balances will be subject to 1½% service charge per month on such indebtedness.

DELIVERIES

Shipments made to the Buyer shall at all times be subject to the approval of Seller's Credit Department. All schedules of shipments are estimated as closely as possible and Seller will use its best effort to ship within the time schedule but does not guarantee to do so. Seller shall not be liable for any direct, indirect, or consequential damage or loss caused by delay in delivery, regardless of the cause of delay. Items offered from stock are subject to prior sale.

RETURNS

No returns are allowed without prior arrangements made with the Seller. Product considered for return must be in new, resalable condition and of current design.

WARRANTY

Seller will replace without charge or refund the purchase price of products manufactured by Seller which prove to be defective in material or workmanship, provided in each case that the product is properly installed and is used in the service for which Seller recommends it and that written claim, specifying the alleged defect, is presented to the Seller within one year from the date of shipment. Seller shall in no event be responsible for claims of A) labor, expenses, or other damages occasioned by defective parts or products or for B) consequential or secondary damages. **The Warranty stated in this paragraph is in lieu of all other warranties, either expressed or implied. With respect to warranties, this paragraph states Buyer's exclusive remedy and Seller's exclusive liability.**

DESIGN

Because of a policy of continuous product improvement, Seller reserves the right to change design, materials or specifications without notice. There will be a charge for modifying an order after it has been entered when such change or modification results in additional engineering or clerical work for either KITZ or its suppliers.

NOTE

KITZ reserves the right to correct any obvious clerical errors in quotations, invoices and other contracts.

KITZ[®]

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