



INDUSTRIAL BALL VALVE PRICE SHEET

BV-11-21

**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	ASME B16.34	
	Body	
	API 608	ISO 17292
	Resilient Sealing Parts	
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
Fugitive Emissions	API 641	ISO 15848-1

- 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	235	251	308	496	587	1,037	1,505	2,915	5,146	9,329
150SCTAZM-FS	150	251	279	335	547	627	1,114	1,630	3,121	5,417	9,555
Weight		3	4	6	12	18	37	60	106	185	300
300SCTAZM	300	253	298	353	566	704	1,543	2,044	4,144	6,928	11,256
300SCTAZM-FS	300	274	319	372	613	761	1,666	2,204	4,362	7,218	11,657
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	261	307	378	599	725	1,398	1,398	2,088	4,775	12,261	25,943
150SCTDZM-FS	150	321	365	480	726	816	1,630	1,630	2,396	5,171	13,012	27,184
Weight		5	6	8	16	24	40	49	82	187	304	562
300SCTDZM	300	316	392	487	793	916	2,010	2,010	2,761	6,221	16,047	-
300SCTDZM-FS	300	347	435	555	888	1,017	2,183	2,183	2,928	6,549	16,329	-
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	886	1,042	1,152	1,371	1,618	2,349	4,626	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	325	383	466	679	877	1,559	2,263	4,315	7,948	13,833
150UTAZM-FS	150	348	413	496	726	937	1,651	2,401	4,536	8,177	14,350
Weight		3	4	6	12	18	37	60	106	185	300
300UTAZM	300	423	522	613	945	1,052	2,192	3,288	6,476	10,845	18,939
300UTAZM-FS	300	454	554	649	1,005	1,124	2,278	3,399	6,721	11,078	19,468
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	352	441	510	788	984	2,037	2,037	2,975	6,826	13,242	27,877
150UTDZM-FS	150	396	458	558	883	1,102	2,151	2,151	3,202	7,209	13,825	28,715
Weight		5	6	8	16	16	40	49	82	187	304	562
300UTDZM	300	562	675	832	1,288	1,609	4,125	4,125	5,091	11,993	20,825	-
300UTDZM-FS	300	612	726	902	1,395	1,733	4,321	4,321	5,305	12,445	21,295	-
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	1,224	1,370	1,645	2,139	2,648	5,208	10,637	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	2,011	2,634	3,011	4,422	5,092	8,050	8,050	11,266	-	-
15OUTR4LAM (L-PORT)	150	-	-	-	-	-	-	-	-	17,325	23,152
15OUTB4TAM (T-PORT)	150	2,211	2,897	3,314	4,864	5,600	8,854	8,854	12,395	-	-
15OUTR4TAM (T-PORT)	150	-	-	-	-	-	-	-	-	19,060	25,469
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	1,843	2,412	2,888	4,152	4,152	5,792	11,550	15,307	20,719	60,326
150UVCTM	150	2,307	3,214	3,490	5,381	5,381	7,767	13,682	18,272	25,874	80,440
Weight (Bare Stem)		8	14	25	31	36	60	124	214	331	519
300UVCM	300	2,620	3,453	4,003	5,358	6,544	8,660	15,507	25,105	35,246	-
300UVCTM	300	2,925	4,038	4,670	6,434	7,621	10,062	18,091	29,144	43,161	-
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	489	612	708	1,094	1,371	2,830	2,830	4,132	14,795	31,008
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	1,103	1,163	1,390	1,839	2,154	3,618	3,618	5,696	13,176	25,395
Weight		5	6	8	16	24	40	49	82	197	315
300SCTDZ3HM	300	1,135	1,242	1,465	2,029	2,378	4,423	4,423	7,327*	14,359	25,760
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	1,316	1,384	1,769	2,544	3,009	5,649	5,649	7,834	18,987	36,499
Weight		5	6	8	16	24	40	49	82	197	315
300UTDZ3HM	300	1,403	1,819	2,150	2,989	3,627	7,167	7,167	9,672*	22,749	44,154
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	1,005	1,248	1,487	2,095	2,697	4,593	4,593	5,825	12,043	23,153
Weight		5	6	8	16	24	40	49	82	197	315
300SCTDZ5HM	300	1,329	1,686	2,073	3,149	3,573	5,297	5,297	8,674*	15,144	26,549
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	1,238	1,540	1,963	2,795	3,715	6,009	6,009	8,494	17,383	33,281
Weight		5	6	8	16	24	40	49	82	197	315
300UTDZ5HM	300	2,084	2,640	3,335	4,800	5,503	9,541	9,541	13,352*	28,777	52,535
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	1,415	1,754	2,236	3,092	5,750	9,550	9,550	12,656	37,229	55,574
Weight		5	6	8	16	24	40	49	82	197	315
300SCTDZ6HM	300	1,861	2,369	2,907	4,419	6,796	11,416	11,416	14,273*	41,231	-
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	1,743	2,160	2,754	3,921	6,956	11,530	11,530	15,207	46,296	74,684
Weight		5	6	8	16	24	40	49	82	197	315
300UTDZ6HM	300	2,926	3,725	4,679	6,736	11,138	16,727	16,727	22,860*	65,868	-
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	357	357	362	377	417	551	659	748

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	496	496	501	525	603	-	-	-

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	-	303	303	318	337	413	511	584

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	-	456	439	480	589	-	-	-

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	457	467	490	518	840	1,124	1,245	1,506

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	-	392	406	420	728	859	966	1,143

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	373	382	396	420	607	1,059	1,110	1,264

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	-	322	331	350	486	699	905	1,003

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	355	355	396	420	584	780	1,003	1,082

*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)	32	32	32	42	50	69	93	126
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)	43	43	43	51	82	169	202	259
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)	47	47	47	57	66	<i>139</i>	<i>142</i>	<i>163</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)	52	52	52	62	70	145	148	169
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)	52	52	52	67	99	<i>183</i>	<i>226</i>	<i>287</i>
AKSCTHZM-FS (#219)	64	64	64	85	116	<i>204</i>	<i>254</i>	<i>315</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>56</i>	<i>56</i>	<i>56</i>	<i>74</i>	<i>103</i>	189	232	292
AKSCTHZM-FSO (#219-LOH)	<i>68</i>	<i>68</i>	<i>68</i>	<i>88</i>	<i>121</i>	209	259	321
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)	73	73	73	105	138	<i>211</i>	<i>278</i>	<i>358</i>
AKSCTHWZM-FS (#239)	86	86	86	126	155	<i>231</i>	<i>309</i>	<i>402</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>76</i>	<i>76</i>	<i>76</i>	<i>104</i>	<i>136</i>	206	270	346
AKSCTHWZM-FSO (#239-LOH)	<i>93</i>	<i>93</i>	<i>93</i>	<i>134</i>	<i>165</i>	244	328	426
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		123	153	193	<i>274</i>	<i>323</i>	426	798	
AKSC3THZM-FS (#319)			130	162	205	<i>288</i>	<i>341</i>	449	841	
PCS/BOX			10	10	6	4	4	2	1	
WT/BOX			20	30	30	32	36	28	29	
AKSC3THZM-O (#317-LOH)			<i>127</i>	<i>158</i>	197	288	PLEASE CONTACT KCA			
AKSC3THZM-FSO (#319-LOH)			<i>133</i>	<i>165</i>	207	302				
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		129	160	203	288	339	448	838
AWSC3THZM-FS (#319S)			138	170	215	302	358	473	882
PCS/BOX			10	10	6	4	4	2	1
WT/BOX			20	30	30	32	36	28	29
AWSC3THZM (#317S-LOH)			133	166	208	302	PLEASE CONTACT KCA		
AWSC3THZM-FS (#319S-LOH)			140	173	218	318			
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)	123	123	153	178	259	318	384	794
AKSC3TFZM-FS (#319F)	130	130	162	188	274	335	404	835
PCS/BOX	10	10	10	10	6	4	2	1
WT/BOX	20	20	30	50	58	36	30	29
AKSC3TFZM-O (#317F-LOH)	127	127	158	182	264	333	PLEASE CONTACT KCA	
AKSC3TFZM-FSO (#319F-LOH)	133	133	166	191	276	349		
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)	129	129	160	186	272	334	402	834
AWSC3TFZM-FS (#319FS)	138	138	170	198	288	352	424	877
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>135</i>	<i>135</i>	<i>166</i>	<i>193</i>	<i>276</i>	<i>349</i>	PLEASE CONTACT KCA	
AWSC3TFZM-FSO (#319FS-LOH)	<i>140</i>	<i>140</i>	<i>175</i>	<i>201</i>	<i>291</i>	<i>367</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)	PLEASE CONTACT KCA FOR TECHNICAL DATA and PRICING							
BWSC3TFZM-FS (#319FB)								
PCS/BOX								
WT/BOX								
BWSC3TFZM-O (#317FB-LOH)								
BWSC3TFZM-FSO (#319FB-LOH)								
PCS/BOX								
WT/BOX								

**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. SEAL WELDED CAPS.

FIGURE NUMBER	1/2	3/4	1	1-1/2	2
AK3000SCTFWZM-FS (#3KW19F)	124	168	220	465	630
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)	187	256	329	691	1,092
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-TSW)	221	286	382	738	1,063
PCS/BOX	12	6	6	2	2
WT/BOX	35	27	33	28	45

**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)	36	39	47	59	83	129	148	219
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)	52	52	52	83	102	194	209	271
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)	119	142	168	272	358	476
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)	69	69	69	80	100	<i>205</i>	<i>225</i>	<i>246</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>73</i>	<i>73</i>	<i>73</i>	<i>85</i>	<i>105</i>	211	231	252
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)	61	61	61	97	115	224	278	290
AKUTHZM-FS (#229)	75	75	75	111	132	244	305	318
PCS/BOX	\$35	\$35	\$24	\$16	\$11	30*	16*	12*
WT/BOX	15	15	15	15	19	66	58	68
AKUTHZM-O (#227-LOH)	66	66	66	100	120	230	284	296
AKUTHZM-FSO (#229-LOH)	80	80	80	116	137	250	311	326
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)	132	132	145	180	262	358	463	561
AKUTHWZM-FS (#249)	143	143	158	195	278	375	487	587
PCS/BOX	33	33	23	15	10	30*	16*	12*
WT/BOX	15	15	15	15	19	66	58	68
AKUTHWZM-O (#247-LOH)	136	136	149	185	266	364	468	567
AKUTHWZM-FSO (#249-LOH)	148	148	162	199	282	381	493	593
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		183	244	304	387	481	642	1,175	
AKU3THZM-FS (#329)			225	281	352	430	519	731	1,229	
PCS/BOX			10	10	6	4	4	2	1	
WT/BOX			20	30	30	32	36	28	29	
AKU3THZM-O (#327-LOH)			186	245	307	400	PLEASE CONTACT KCA			
AKU3THZM-FSO (#329-LOH)			229	284	355	444				
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		192	256	319	407	506	673	1,233
AWU3THZM-FS (#329S)			236	295	370	451	544	768	1,291
PCS/BOX			10	10	6	4	4	2	1
WT/BOX			20	30	30	32	36	28	29
AWU3THZM-O (#327S-LOH)			196	258	322	420	PLEASE CONTACT KCA		
AWU3THZM-FSO (#329S-LOH)			241	298	372	467			
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)	183	183	244	304	371	481	642	1,175
AKU3TFZM-FS (#329F)	225	225	281	338	414	519	669	1,229
PCS/BOX	10	10	10	10	6	4	2	1
WT/BOX	20	20	30	50	58	36	30	29
AKU3TFZM-O (#327F-LOH)	186	186	245	307	372	497	PLEASE CONTACT KCA	
AKU3TFZM-FSO (#329F-LOH)	229	229	285	341	417	532		
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)	192	192	256	319	390	505	674	1,234
AWU3TFZM-FS (#329FS)	236	236	295	355	435	544	702	1,291
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>196</i>	<i>196</i>	<i>258</i>	<i>322</i>	<i>392</i>	548	PLEASE CONTACT KCA	
AWU3TFZM-FSO (#329FS-LOH)	<i>240</i>	<i>240</i>	<i>299</i>	<i>358</i>	<i>439</i>	589		
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. SEAL WELDED CAPS.

FIGURE NUMBER	1/2	3/4	1	1-1/2	2
AK3000UTFWZM-FS (#3KW29F)	304	407	480	1,122	1,572
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)	406	503	618	1,613	2,126
PCS/BOX	10	6	6	2	2
WT/BOX	34	29	41	43	52

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	10	15
	3/8"	LL-11	10	15
and	1/2"-3/4"	LL-12	11	17
	1"-1-1/4"	LL-13	14	18
AKUTKZM-FS (#129)	1-1/2"-2"	LL-14	14	19
AKSCTHZM (#217)				
AKSCTHZM-FS (#219)	1/2"	LL-15	11	16
AKUTHZM (#227)	3/4" & 1"	LL-16	11	16
AKUTHZM-FS (#229)	1-1/4"-1-1/2"	LL-17	13	17
and	2"	LL-18	16	20
AKSCTHWZM (#237)	2-1/2"	LL-19	16	20
AKSCTHWZM-FS (#239)				
AKUTHWZM (#247)				
AKUTHWZM-FS (#249)				
AKSC3THZM (#317)				
AKSC3THZM-FS (#319)	1/2"	LL-20	18	24
AWSC3THZM (#317S)	3/4"	LL-21	19	27
AWSC3THZM-FS (#319S)	1"	LL-22	20	27
BWSC3THZM (#317B)	1-1/4"-1-1/2"	LL-23	24	36
BWSC3THZM-FS (#319B)	2"	LL-24	34	49
AKU3THZM (#327)	2-1/2"	L-25	24	42
AKU3THZM-FS (#329)		(non-locking)		
AWU3THZM (#327S)				
AWU3THZM-FS (#329S)				
BWU3THZM (#327B)		*Handle Bolt	5	
BWU3THZM-FS (#329B)				
AKSC3TFZM (#317F)				
AKSC3TFZM-FS (#319F)	1/4"-3/8"	LL-20	18	24
AWSC3TFZM (#317FS)	1/2"	LL-21	19	27
AWSC3TFZM-FS (#319FS)	3/4"	LL-22	20	27
BWSC3TFZM (#317FB)	1"-1-1/4"	LL-23	24	36
BWSC3TFZM-FS (#319FB)	1-1/2"	LL-24	34	49
AKU3TFZM (#327F)	2"	L-25	24	42
AKU3TFZM-FS (#329F)		(non-locking)		
AWU3TFZM (#327FS)				
AWU3TFZM-FS (#329FS)				
BWU3TFZM (#327FB)		*Handle Bolt	5	
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	21	25
	3/4"	OH-20	21	25
and	1"	OH-21	21	25
	1-1/2"	OH-23	49	53
300UTA/SCTAM (-FS)	2"	OH-24	65	68
150UTBZ/SCTBZM (-FS)	1/2"	OH-22	39	44
300UTBZ/SCTBZM (-FS)	3/4"	OH-22	39	44
and	1"	OH-23	49	53
AKSCTHWZM-FS (#239)	1-1/2"	OH-24	65	68
150UTB4LAM/UTB4TAM	2"	OH-24	65	68

FIGURE NUMBER	VALVE SIZE	SPECIFY MODEL NO.	LIST PRICE SEPARATE	LIST PRICE INSTALLED
150UTA/SCTAM(C) (-FS(C))	1/2"	OH-20(C)	21	25
	3/4"	OH-20(C)	21	25
and	1"	OH-21(C)	21	25
	1-1/2"	OH-23(C)	49	53
300UTA/SCTAM(C) (-FS(C))	2"	OH-24(C)	65	68
150UTBZ/SCTBZM(C) (-FS(C))	3/4"	OH-22(C)	39	44
and	1"	OH-23(C)	49	52
	1-1/2"	OH-24(C)	65	68
300UTBZ/SCTBZM(C) (-FS(C))	2"	OH-24(C)	65	68

FIGURE NUMBER	VALVE SIZE	SPECIFY MODEL NO.	LIST PRICE SEPARATE	LIST PRICE INSTALLED
150UTA/SCTAZM (-FS)	1/2"	OH-20(Z)	21	25
	3/4"	OH-20(Z)	21	25
and	1"	OH-21(Z)	21	25
	1-1/2"	OH-23(Z)	49	53
300UTA/SCTAZM (-FS)	2"	OH-24(Z)	65	68
150UTDZ/SCTDZM (-FS)	1/2"	OH-21(Z)	21	25
	3/4"	OH-21(Z)	21	25
and	1"	OH-23(Z)	49	53
	1-1/2"	OH-24(Z)	65	68
300UTDZ/SCTDZM (-FS)	2"	OH-24(Z)	65	68

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	19 24 24 36	22 28 28 40
AKUTFM (#53F)	1/2" 3/4"-1" 1-1/4"-1-1/2" 2"	OH-2 OH-3 OH-4 OH-5	19 24 24 36	22 28 28 37
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	17 17 18 18 20	21 21 22 22 24
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	19 19 20 22	23 23 24 27
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)	25 36 36 52 55 1,334	39 52 53 78 82 2,051

OVAL HANDLE FOR THREADED VALVES, continued

AKSC3TFZM (#317F)				
AKSC3TFZM-FS (#319F)				
AWSC3TFZM (#317FS)				
AWSC3TFZM-FS (#319FS)	1/4"-3/8"	OH-20L	25	39
BWSC3TFZM (#317FB)	1/2"	OH-21L	36	52
BWSC3TFZM-FS (#319FB)	3/4"	OH-22L	36	53
AKU3TFZM (#327F)	1"-1-1/4"	OH-23L	52	75
AKU3TFZM-FS (#329F)	1-1/2"	OH-24L	54	79
AWU3TFZM (#327FS)	2"	OH-25	1,334	2,051
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"	138
LSE-02	1/2", 3/4"	1"	139
LSE-03	1"	1-1/2"	160
LSE-04	1-1/2", 2"	2"	192
LSE-05	2-1/2", 3"	3", 4"	248
LSE-06	4"	6"	322

*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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