



INDUSTRIAL BALL VALVE PRICE SHEET

BV-07-22

**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	
	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
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	I	DZ	6H	M			
		P	1	3	4	5	6	7	8			
		4"	LSE-	150	U	I	AZ	M	FS			
		P	1	3	4	5	6	8	9			
AK	3000	SC	I	FWZ	M	FS		AK	U	I	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, Inconnel, 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	E	-	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	247	264	324	522	618	1,092	1,585	3,068	5,417	9,820
150SCTAZM-FS	150	264	294	353	576	660	1,173	1,716	3,285	5,702	10,058
Weight		3	4	6	12	18	37	60	106	185	300
300SCTAZM	300	266	314	371	596	741	1,624	2,152	4,362	7,293	11,849
300SCTAZM-FS	300	288	336	391	645	801	1,754	2,320	4,591	7,598	12,271
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	274	323	398	630	763	1,472	1,472	2,198	5,027	12,906	27,308
150SCTDZM-FS	150	338	384	505	764	859	1,716	1,716	2,522	5,443	13,697	28,615
Weight		5	6	8	16	24	40	49	82	187	304	562
300SCTDZM	300	333	413	513	835	964	2,116	2,116	2,906	6,549	16,892	-
300SCTDZM-FS	300	365	457	584	935	1,070	2,298	2,298	3,082	6,894	17,188	-
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	933	1,096	1,213	1,443	1,703	2,473	4,870	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	342	403	490	715	923	1,641	2,382	4,542	8,367	14,561
150UTAZM-FS	150	366	434	522	764	987	1,738	2,527	4,775	8,607	15,105
Weight		3	4	6	12	18	37	60	106	185	300
300UTAZM	300	445	549	645	995	1,107	2,307	3,461	6,817	11,416	19,936
300UTAZM-FS	300	478	584	683	1,058	1,184	2,398	3,578	7,075	11,661	20,493
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	371	465	536	829	1,036	2,144	2,144	3,132	7,186	13,938	29,344
150UTDZM-FS	150	417	482	587	929	1,160	2,265	2,265	3,371	7,588	14,553	30,226
Weight		5	6	8	16	16	40	49	82	187	304	562
300UTDZM	300	592	710	876	1,356	1,694	4,342	4,342	5,358	12,624	21,921	-
300UTDZM-FS	300	644	764	949	1,468	1,824	4,549	4,549	5,584	13,100	22,416	-
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	1,289	1,442	1,732	2,251	2,788	5,482	11,197	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
150UTB4LAM (L-PORT)	150	2,117	2,773	3,169	4,654	5,360	8,473	8,473	11,859	-	-
150UTR4LAM (L-PORT)	150	-	-	-	-	-	-	-	-	18,237	24,370
150UTB4TAM (T-PORT)	150	2,328	3,049	3,488	5,120	5,895	9,320	9,320	13,047	-	-
150UTR4TAM (T-PORT)	150	-	-	-	-	-	-	-	-	20,063	26,810
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	1,940	2,539	3,040	4,370	4,370	6,097	12,157	16,112	21,810	63,501
150UVCTM	150	2,429	3,383	3,674	5,664	5,664	8,176	14,402	19,233	27,235	84,673
Weight (Bare Stem)		8	14	25	31	36	60	124	214	331	519
300UVCM	300	2,758	3,634	4,214	5,640	6,889	9,116	16,323	26,426	37,101	-
300UVCTM	300	3,078	4,250	4,916	6,773	8,023	10,592	19,043	30,678	45,433	-
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
150UTBPM	150	515	644	745	1,152	1,443	2,979	2,979	4,350	15,574	32,640
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 °**

FIGURE NUMBER	CLASS	1/2	3/4	1	1-1/2	2	2-1/2	3	4	6*	8*
150SCTDZ3HM	150	1,161	1,224	1,463	1,936	2,267	3,809	3,809	5,996	13,869	26,731
Weight		5	6	8	16	24	40	49	82	197	315
300SCTDZ3HM	300	1,195	1,308	1,542	2,136	2,503	4,656	4,656	7,713*	15,115	27,116
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	1,386	1,457	1,863	2,678	3,168	5,946	5,946	8,246	19,987	38,420
Weight		5	6	8	16	24	40	49	82	197	315
300UTDZ3HM	300	1,476	1,914	2,264	3,146	3,817	7,544	7,544	10,181*	23,946	46,477
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	1,058	1,314	1,565	2,206	2,839	4,835	4,835	6,131	12,677	24,372
Weight		5	6	8	16	24	40	49	82	197	315
300SCTDZ5HM	300	1,398	1,774	2,182	3,314	3,761	5,575	5,575	9,313*	15,941	27,946
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	1,304	1,621	2,066	2,942	3,911	6,325	6,325	8,941	18,298	35,033
Weight		5	6	8	16	24	40	49	82	197	315
300UTDZ5HM	300	2,193	2,779	3,510	5,052	5,793	10,043	10,043	14,055*	30,292	55,300
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	1,489	1,847	2,353	3,254	6,053	10,053	10,053	13,322	39,188	58,499
Weight		5	6	8	16	24	40	49	82	197	315
300SCTDZ6HM	300	1,959	2,494	3,060	4,651	7,154	12,016	12,016	15,024*	43,401	-
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	1,835	2,274	2,899	4,128	7,322	12,137	12,137	16,007	48,732	78,614
Weight		5	6	8	16	24	40	49	82	197	315
300UTDZ6HM	300	3,080	3,921	4,925	7,090	11,724	17,608	17,608	24,063*	69,335	-
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, FLOATNG 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	376	376	381	396	438	580	694	788

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	522	522	527	553	635	-	-	-

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	-	319	319	334	354	435	538	615

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	-	480	462	506	620	-	-	-

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	481	491	516	546	884	1,183	1,311	1,586

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	-	413	427	443	766	904	1,017	1,203

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	392	402	417	443	639	1,114	1,169	1,331

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	-	339	348	368	511	736	953	1,056

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	374	374	417	443	614	821	1,056	1,139

*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)	33	33	33	44	53	72	98	133
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)	45	45	45	53	86	178	212	272
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)	50	50	50	60	69	<i>146</i>	<i>149</i>	<i>172</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>54</i>	<i>54</i>	<i>54</i>	<i>65</i>	<i>74</i>	152	155	178
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)	54	54	54	71	104	<i>193</i>	<i>238</i>	<i>302</i>
AKSCTHZM-FS (#219)	68	68	68	89	122	<i>215</i>	<i>267</i>	<i>331</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>59</i>	<i>59</i>	<i>59</i>	<i>78</i>	<i>109</i>	199	244	308
AKSCTHZM-FSO (#219-LOH)	<i>72</i>	<i>72</i>	<i>72</i>	<i>93</i>	<i>127</i>	220	273	338
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)	77	77	77	110	145	<i>222</i>	<i>293</i>	<i>377</i>
AKSCTHWZM-FS (#239)	90	90	90	133	163	<i>243</i>	<i>326</i>	<i>423</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>80</i>	<i>80</i>	<i>80</i>	<i>110</i>	<i>143</i>	217	284	365
AKSCTHWZM-FSO (#239-LOH)	<i>98</i>	<i>98</i>	<i>98</i>	<i>141</i>	<i>174</i>	257	346	449
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		130	161	204	<i>288</i>	<i>340</i>	<i>449</i>	<i>840</i>
AKSC3THZM-FS (#319)			137	170	216	<i>304</i>	<i>359</i>	<i>473</i>	<i>885</i>
PCS/BOX			10	10	6	4	4	2	1
WT/BOX			20	30	30	32	36	28	29
AKSC3THZM-O (#317-LOH)			<i>134</i>	<i>166</i>	<i>207</i>	303			
AKSC3THZM-FSO (#319-LOH)			<i>140</i>	<i>174</i>	<i>218</i>	318			
PCS/BOX			10	10	6	6			
WT/BOX		20	30	30	48				

**PLEASE CONTACT
KCA**

**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		136	169	214	<i>303</i>	<i>357</i>	<i>472</i>	<i>882</i>	
AWSC3THZM-FS (#319S)			145	179	226	<i>318</i>	<i>377</i>	<i>498</i>	<i>929</i>	
PCS/BOX			10	10	6	4	4	2	1	
WT/BOX			20	30	30	32	36	28	29	
AWSC3THZM (#317S-LOH)			<i>140</i>	<i>175</i>	<i>219</i>	318	PLEASE CONTACT KCA			
AWSC3THZM-FS (#319S-LOH)			<i>148</i>	<i>182</i>	<i>229</i>	335				
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)									
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)	130	130	161	187	273	<i>335</i>	<i>404</i>	<i>835</i>
AKSC3TFZM-FS (#319F)	137	137	170	198	288	<i>353</i>	<i>425</i>	<i>879</i>
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>134</i>	<i>134</i>	<i>166</i>	<i>191</i>	<i>277</i>	350	PLEASE CONTACT KCA	
AKSC3TFZM-FSO (#319F-LOH)	<i>140</i>	<i>140</i>	<i>175</i>	<i>201</i>	<i>291</i>	368		
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)	136	136	169	196	286	<i>351</i>	<i>424</i>	<i>878</i>
AWSC3TFZM-FS (#319FS)	145	145	179	208	303	<i>371</i>	<i>446</i>	<i>923</i>
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>142</i>	<i>142</i>	<i>175</i>	<i>204</i>	<i>291</i>	368	PLEASE CONTACT KCA	
AWSC3TFZM-FSO (#319FS-LOH)	<i>148</i>	<i>148</i>	<i>184</i>	<i>211</i>	<i>306</i>	386		
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)								
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)	131	177	232	489	663
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)	197	269	346	727	1,149
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-TS)	233	301	402	777	1,118
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-TS)	391	570	739	1,535	2,516
PCS/BOX	10	6	6	2	2
WT/BOX	34	29	41	43	52

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

**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)	38	41	50	62	87	136	155	231
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)	55	55	55	87	107	204	220	285
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)	125	149	176	286	377	501
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)	72	72	72	84	106	<i>216</i>	<i>237</i>	<i>259</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>77</i>	<i>77</i>	<i>77</i>	<i>89</i>	<i>110</i>	222	243	265
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)	64	64	64	102	121	236	293	306
AKUTHZM-FS (#229)	79	79	79	117	139	257	321	335
PCS/BOX	\$35	\$35	\$24	\$16	\$11	30*	16*	12*
WT/BOX	15	15	15	15	19	66	58	68
AKUTHZM-O (#227-LOH)	<i>70</i>	<i>70</i>	<i>70</i>	<i>106</i>	<i>126</i>	242	299	312
AKUTHZM-FSO (#229-LOH)	<i>84</i>	<i>84</i>	<i>84</i>	<i>122</i>	<i>144</i>	263	327	343
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)	139	139	152	190	276	377	487	591
AKUTHWZM-FS (#249)	151	151	166	205	293	395	513	618
PCS/BOX	33	33	23	15	10	30*	16*	12*
WT/BOX	15	15	15	15	19	66	58	68
AKUTHWZM-O (#247-LOH)	<i>143</i>	<i>143</i>	<i>157</i>	<i>194</i>	<i>280</i>	383	493	597
AKUTHWZM-FSO (#249-LOH)	<i>155</i>	<i>155</i>	<i>170</i>	<i>210</i>	<i>297</i>	401	519	624
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		193	256	320	407	507	675	1,236	
AKU3THZM-FS (#329)			237	296	371	452	546	769	1,294	
PCS/BOX			10	10	6	4	4	2	1	
WT/BOX			20	30	30	32	36	28	29	
AKU3THZM-O (#327-LOH)			196	258	323	421	PLEASE CONTACT KCA			
AKU3THZM-FSO (#329-LOH)			241	299	374	467				
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		202	270	336	428	532	709	1,298	
AWU3THZM-FS (#329S)			249	311	389	475	573	808	1,358	
PCS/BOX			10	10	6	4	4	2	1	
WT/BOX			20	30	30	32	36	28	29	
AWU3THZM-O (#327S-LOH)			207	271	339	442	PLEASE CONTACT KCA			
AWU3THZM-FSO (#329S-LOH)			253	314	392	492				
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)									
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
AKU3TFZM (#327F)	193	193	256	320	391	507	675	1,236
AKU3TFZM-FS (#329F)	237	237	296	356	436	546	704	1,294
PCS/BOX	10	10	10	10	6	4	2	1
WT/BOX	20	20	30	50	58	36	30	29
AKU3TFZM-O (#327F-LOH)	196	196	258	323	392	523	PLEASE CONTACT KCA	
AKU3TFZM-FSO (#329F-LOH)	241	241	300	359	439	560		
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)	202	202	270	336	410	532	709	1,299
AWU3TFZM-FS (#329FS)	249	249	311	374	458	573	739	1,358
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>206</i>	<i>206</i>	<i>271</i>	<i>339</i>	<i>412</i>	577	PLEASE CONTACT KCA	
AWU3TFZM-FSO (#329FS-LOH)	<i>253</i>	<i>253</i>	<i>315</i>	<i>377</i>	<i>462</i>	620		
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)								
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)	320	428	505	1,181	1,655
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)	427	529	651	1,698	2,238
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	17	22
	3/8"	LL-11	17	22
and	1/2"-3/4"	LL-12	18	24
	1"-1-1/4"	LL-13	21	25
AKUTKZM-FS (#129)	1-1/2"-2"	LL-14	21	26
AKSCTHZM (#217)				
AKSCTHZM-FS (#219)				
AKUTHZM (#227)	1/2"	LL-15	18	23
AKUTHZM-FS (#229)	3/4" & 1"	LL-16	18	23
and	1-1/4"-1-1/2"	LL-17	20	24
AKSCTHWZM (#237)	2"	LL-18	23	27
AKSCTHWZM-FS (#239)	2-1/2"	LL-19	23	27
AKUTHWZM (#247)				
AKUTHWZM-FS (#249)				
AKSC3THZM (#317)				
AKSC3THZM-FS (#319)				
AWSC3THZM (#317S)	1/2"	LL-20	25	31
AWSC3THZM-FS (#319S)	3/4"	LL-21	26	34
BWSC3THZM (#317B)	1"	LL-22	27	34
BWSC3THZM-FS (#319B)	1-1/4"-1-1/2"	LL-23	31	44
AKU3THZM (#327)	2"	LL-24	42	57
AKU3THZM-FS (#329)	2-1/2"	L-25	31	53
AWU3THZM (#327S)		(non-locking)		
AWU3THZM-FS (#329S)				
BWU3THZM (#327B)		*Handle Bolt	7	
BWU3THZM-FS (#329B)				
AKSC3TFZM (#317F)				
AKSC3TFZM-FS (#319F)	1/4"-3/8"	LL-20	25	31
AWSC3TFZM (#317FS)	1/2"	LL-21	26	34
AWSC3TFZM-FS (#319FS)	3/4"	LL-22	27	34
BWSC3TFZM (#317FB)	1"-1-1/4"	LL-23	31	44
BWSC3TFZM-FS (#319FB)	1-1/2"	LL-24	42	57
AKU3TFZM (#327F)	2"	L-25	31	52
AKU3TFZM-FS (#329F)		(non-locking)		
AWU3TFZM (#327FS)				
AWU3TFZM-FS (#329FS)				
BWU3TFZM (#327FB)		*Handle Bolt	7	
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	28	32
	3/4"	OH-20	28	32
and	1"	OH-21	28	32
	1-1/2"	OH-23	57	60
300UTA/SCTAM (-FS)	2"	OH-24	74	77
150UTBZ/SCTBZM (-FS)	1/2"	OH-22	47	52
300UTBZ/SCTBZM (-FS)	3/4"	OH-22	47	52
and	1"	OH-23	52	60
AKSCTHWZM-FS (#239)	1-1/2"	OH-24	74	77
150UTB4LAM/UTB4TAM	2"	OH-24	74	77

FIGURE NUMBER	VALVE SIZE	SPECIFY MODEL NO.	LIST PRICE SEPARATE	LIST PRICE INSTALLED
150UTA/SCTAM(C) (-FS(C))	1/2"	OH-20(C)	28	32
	3/4"	OH-20(C)	28	32
and	1"	OH-21(C)	28	32
	1-1/2"	OH-23(C)	57	60
300UTA/SCTAM(C) (-FS(C))	2"	OH-24(C)	74	77
150UTBZ/SCTBZM(C) (-FS(C))	3/4"	OH-22(C)	47	52
and	1"	OH-23(C)	47	57
	1-1/2"	OH-24(C)	74	77
300UTBZ/SCTBZM(C) (-FS(C))	2"	OH-24(C)	74	77

FIGURE NUMBER	VALVE SIZE	SPECIFY MODEL NO.	LIST PRICE SEPARATE	LIST PRICE INSTALLED
150UTA/SCTAZM (-FS)	1/2"	OH-20(Z)	28	32
	3/4"	OH-20(Z)	28	32
and	1"	OH-21(Z)	28	32
	1-1/2"	OH-23(Z)	57	60
300UTA/SCTAZM (-FS)	2"	OH-24(Z)	74	77
150UTDZ/SCTDZM (-FS)	1/2"	OH-21(Z)	28	32
	3/4"	OH-21(Z)	28	32
and	1"	OH-23(Z)	28	32
	1-1/2"	OH-24(Z)	57	60
300UTDZ/SCTDZM (-FS)	2"	OH-24(Z)	74	77

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	26 31 31 42	29 35 35 48
AKUTFM (#53F)	1/2" 3/4"-1" 1-1/4"-1-1/2" 2"	OH-2 OH-3 OH-4 OH-5	48 31 31 42	29 36 36 43
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	24 24 25 25 27	28 28 29 29 32
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	26 26 27 29	30 30 31 34
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)	32 44 44 59 64 1,404	57 59 60 84 89 2,156

OVAL HANDLE FOR THREADED VALVES, continued

AKSC3TFZM (#317F)				
AKSC3TFZM-FS (#319F)				
AWSC3TFZM (#317FS)				
AWSC3TFZM-FS (#319FS)	1/4"-3/8"	OH-20L	32	47
BWSC3TFZM (#317FB)	1/2"	OH-21L	44	59
BWSC3TFZM-FS (#319FB)	3/4"	OH-22L	44	60
AKU3TFZM (#327F)	1"-1-1/4"	OH-23L	59	79
AKU3TFZM-FS (#329F)	1-1/2"	OH-24L	64	83
AWU3TFZM (#327FS)	2"	OH-25	1,404	2,159
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"	199
LSE-02	1/2", 3/4"	1"	200
LSE-03	1"	1-1/2"	221
LSE-04	1-1/2", 2"	2"	253
LSE-05	2-1/2", 3"	3", 4"	313
LSE-06	4"	6"	338

*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	87B100
	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
COMMERCIAL	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.



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