



INDUSTRIAL BALL VALVE PRICE SHEET

BV-11-25

CLASS 150/300/600/800/1500/2500

W.O.G. 600, 800, 1000, 1500, 2000, 3000, 6000

FLANGED

THREADED & SOCKET WELD

FLOATING

SOFT SEATED

V-PORT CONTROL VALVES (SEGMENTED)

METAL & GRAPHITE SEATED

3-WAY

CRYOGENIC

POCKETLESS (CAVITY FILLED)

CLOSE COUPLED ELECTRIC ACTUATION PACKAGES

CLOSE COUPLED PNEUMATIC ACTUATION PACKAGES

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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	API 608	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

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

AZ.....Single Reduction, End Entry ISO5211/CAPI Live Loaded*

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

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

F14AN....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	288	308	378	609	720	1,179	1,712	3,313	5,850	10,606
150SCTAZM-FS	150	308	343	411	672	770	1,267	1,853	3,548	6,158	10,863
Weight		3	4	6	12	18	37	60	106	185	300
300SCTAZM	300	310	366	433	696	864	1,754	2,324	4,711	7,876	12,797
300SCTAZM-FS	300	336	392	456	753	934	1,894	2,506	4,958	8,206	13,253
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	320	377	464	734	890	1,717	1,717	2,564	5,863	16,133	34,135
150SCTDZM-FS	150	394	448	589	891	1,002	2,001	2,001	2,942	6,348	17,121	35,769
Weight		5	6	8	16	24	40	49	82	187	304	562
300SCTDZM	300	389	482	598	974	1,124	2,468	2,468	3,389	7,639	21,115	-
300SCTDZM-FS	300	426	534	681	1,091	1,248	2,681	2,681	3,595	8,042	21,485	-
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 600**

FIGURE NUMBER	CLASS	1/2	3/4	1	1-1/2	2	3	4
A600F-F14AN-CS/316-FSM	600	1,008	1,184	1,310	1,558	1,839	2,671	5,260
Weight		9	11	15	27	40	79	172

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	399	470	571	834	1,077	1,772	2,573	4,905	9,036	15,726
150UTAZM-FS	150	427	507	609	891	1,151	1,877	2,729	5,157	9,296	16,313
Weight		3	4	6	12	18	37	60	106	185	300
300UTAZM	300	519	640	753	1,161	1,292	2,492	3,738	7,362	12,329	21,531
300UTAZM-FS	300	557	681	797	1,234	1,381	2,590	3,864	7,641	12,594	22,132
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	433	542	625	967	1,209	2,501	2,501	3,654	8,382	15,053	31,692
150UTDZM-FS	150	486	563	685	1,083	1,353	2,642	2,642	3,932	8,851	15,717	32,644
Weight		5	6	8	16	16	40	49	82	187	304	562
300UTDZM	300	690	828	1,022	1,581	1,976	5,064	5,064	6,250	14,725	23,675	-
300UTDZM-FS	300	752	891	1,107	1,712	2,128	5,306	5,306	6,513	15,280	24,209	-
Weight		6	9	11	24	33	60	75	123	254	403	-

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

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

FIGURE NUMBER	CLASS	1/2	3/4	1	1-1/2	2	3	4
A600F-F14AN-SS/316-FSM	600	1,392	1,557	1,871	2,431	3,011	5,921	12,093
Weight		9	11	15	27	40	79	172

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	2,332	3,055	3,491	5,127	5,905	9,334	9,334	13,064	-	-
150UTR4LAM (L-PORT)	150	-	-	-	-	-	-	-	-	20,090	26,846
150UTB4TAM (T-PORT)	150	2,564	3,359	3,842	5,641	6,494	10,267	10,267	14,373	-	-
150UTR4TAM (T-PORT)	150	-	-	-	-	-	-	-	-	22,101	29,534
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
150UVC	150	2,137	2,797	3,349	4,814	4,814	6,717	13,393	17,749	24,026	69,953
150UVCTM	150	2,675	3,727	4,047	6,239	6,239	9,007	15,865	21,187	30,002	93,276
Weight (Bare Stem)		8	14	25	31	36	60	124	214	331	519
300UVC	300	3,039	4,004	4,642	6,213	7,589	10,042	17,982	29,111	40,870	-
300UVCTM	300	3,390	4,682	5,415	7,461	8,838	11,668	20,977	33,795	50,049	-
Weight (Bare Stem)		9	18	33	44	59	90	159	296	463	-
Lever Handle*		221	259	259	333	333	357	-	-	-	-

*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	567	710	821	1,269	1,589	3,281	3,281	4,792	17,156	35,956
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 (CL300*)	6*	8*
150SCTDZ3HM	150	1,279	1,348	1,612	2,133	2,497	4,196	4,196	6,606	15,279	29,446
Weight		5	6	8	16	24	40	49	82	197	315
300SCTDZ3HM	300	1,317	1,441	1,698	2,353	2,757	5,129	5,129	8,497	16,650	29,871
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 932°F**

FIGURE NUMBER	CLASS	1/2	3/4	1	1-1/2	2	2-1/2	3	4 (CL300*)	6*	8*
150UTDZ3HM	150	1,527	1,605	2,052	2,950	3,489	6,550	6,550	9,084	22,018	42,324
Weight		5	6	8	16	24	40	49	82	197	315
300UTDZ3HM	300	1,626	2,108	2,494	3,466	4,204	8,311	8,311	11,215	26,379	51,199
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 572°F

FIGURE NUMBER	CLASS	1/2	3/4	1	1-1/2	2	2-1/2	3	4 (CL300*)	6*	8*
150SCTDZ5HM	150	1,166	1,447	1,724	2,430	3,127	5,326	5,326	6,753	13,965	26,848
Weight		5	6	8	16	24	40	49	82	197	315
300SCTDZ5HM	300	1,540	1,954	2,404	3,651	4,143	6,141	6,141	10,259	17,560	30,786
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 (CL300*)	6*	8*
150UTDZ5HM	150	1,436	1,786	2,276	3,241	4,308	6,968	6,968	9,849	20,157	38,593
Weight		5	6	8	16	24	40	49	82	197	315
300UTDZ5HM	300	2,415	3,061	3,867	5,565	6,381	11,063	11,063	15,483	33,369	60,918
Weight		6	9	11	24	33	59	75	123	254	403

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

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 (CL300*)	6*	8*
150SCTDZ6HM	150	1,640	2,035	2,592	3,584	6,668	11,074	11,074	14,676	43,169	64,443
Weight		5	6	8	16	24	40	49	82	197	315
300SCTDZ6HM	300	2,158	2,748	3,371	5,123	7,881	13,237	13,237	16,551	47,810	-
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 (CL300*)	6*	8*
150UTDZ6HM	150	2,022	2,505	3,194	4,547	8,066	13,370	13,370	17,634	53,684	86,601
Weight		5	6	8	16	24	40	49	82	197	315
300UTDZ6HM	300	3,393	4,320	5,425	7,810	12,915	19,397	19,397	26,508	76,380	-
Weight		6	9	11	24	33	59	75	123	254	-

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

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	414	414	419	437	482	639	765	868

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	575	575	580	609	700	-	-	-

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	-	352	352	368	390	479	593	677

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	-	528	509	557	683	-	-	-

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	529	541	568	602	974	1,304	1,444	1,747

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	-	455	470	488	844	996	1,120	1,325

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	431	443	459	488	704	1,227	1,288	1,466

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	-	373	384	405	563	811	1,050	1,163

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	412	412	459	488	676	905	1,163	1,255

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

** DOUBLE REDUCED PORT

THREADED & SOCKET WELD 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)	39	39	39	52	62	84	114	156
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
AKSCTAHM (#49M)	53	53	53	62	100	207	247	318
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

FIGURE NUMBER	1/4	3/8	1/2	3/4	1	1-1/4	1-1/2	2
AKSCTKZM-FS (#119)	58	58	58	70	81	171	174	201
PCS/BOX	8	8	8	8	8	30*	18*	10*
WT/BOX	5	5	7	9	11	58	51	51
AKSCTKZM-FSO (#119-LOH)	63	63	63	76	86	177	180	207
PCS/BOX	8	8	8	8	8	20*	12*	8*
WT/BOX	5	5	7	9	11	42	43	36

*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"), 2-PC - SINGLE REDUCED PORT THREADED

FIGURE NUMBER	1/4	3/8	1/2	3/4	1	1-1/4	1-1/2	2
AKSCTH2M (#217)	63	63	63	83	121	225	278	352
AKSCTH2M-FS (#219)	79	79	79	104	143	251	311	386
PCS/BOX	8	8	6	6	4	30*	16*	12*
WT/BOX	5	5	7	9	11	66	58	68
AKSCTH2M-O (#217-LOH)	69	69	69	91	127	232	285	360
AKSCTH2M-FSO (#219-LOH)	84	84	84	108	148	257	319	394
PCS/BOX	8	8	6	6	4	20*	12*	8*
WT/BOX	6	6	5	7	9	48	46	47

*Carton quantity/bagged individually.

THREADED & SOCKET WELD 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"), SEAL WELDED 2-PC - SINGLE REDUCED PORT THREADED

FIGURE NUMBER	1/4	3/8	1/2	3/4	1	1-1/4	1-1/2	2
AKSCTHWZM (#237)	90	90	90	129	170	259	341	440
AKSCTHWZM-FS (#239)	105	105	105	156	190	283	380	494
PCS/BOX	33	33	23	15	10	30*	16*	12*
WT/BOX	15	15	15	15	19	66	58	68
AKSCTHWZM-O (#237-LOH)	93	93	93	129	166	253	332	426
AKSCTHWZM-FSO (#239-LOH)	114	114	114	164	203	300	404	524
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

DISCONTINUED, AVAILABLE WHILE SUPPLIES LAST

FIGURE NUMBER	1/2	3/4	1	1-1/4	1-1/2	2	2-1/2
AKSC3THZM (#317)	151	188	238	336	396	524	980
AKSC3THZM-FS (#319)	160	199	252	354	419	552	1,032
PCS/BOX	10	10	6	4	4	2	1
WT/BOX	20	30	30	32	36	28	29
AKSC3THZM-O (#317-LOH)	157	193	242	353	403	535	-
AKSC3THZM-FSO (#319-LOH)	163	203	254	370	469	554	-
PCS/BOX	10	10	6	6	4	2	-
WT/BOX	20	30	30	48	68	40	-

CLASS 800, 3-PC - SINGLE REDUCED PORT, API 608

THREADED

FIGURE NUMBER	1/2	3/4	1	1-1/4	1-1/2	2	2-1/2
AK800SC3THZM (#357)	COMING SOON CONTACT KCA FOR MORE INFORMATION						
AK800SC3THZM-FS (#359)							
PCS/BOX							
WT/BOX							
AK800SC3THZM-O (#357-LOH)							
AK800SC3THZM-FSO (#359-LOH)							
PCS/BOX							
WT/BOX							

THREADED & SOCKET WELD 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

DISCONTINUED, AVAILABLE WHILE SUPPLIES LAST

FIGURE NUMBER	1/2	3/4	1	1-1/4	1-1/2	2	2-1/2
AWSC3THZM (#317S)	159	198	249	353	417	551	1,029
AWSC3THZM-FS (#319S)	170	208	264	370	440	581	1,083
PCS/BOX	10	10	6	4	4	2	1
WT/BOX	20	30	30	32	36	28	29
AWSC3THZM (#317S-LOH)	163	204	256	370	471	557	-
AWSC3THZM-FS (#319S-LOH)	173	213	267	391	530	607	-
PCS/BOX	10	10	6	6	4	2	-
WT/BOX	20	30	30	48	68	40	-

CLASS 800, 3-PC - SINGLE REDUCED PORT, API 608

SOCKET WELD

FIGURE NUMBER	1/2	3/4	1	1-1/4	1-1/2	2	2-1/2
AW800SC3THZM (#357S)	COMING SOON CONTACT KCA FOR MORE INFORMATION						
AW800SC3THZM-FS (#359S)							
PCS/BOX							
WT/BOX							
AW800SC3THZM-O (#357S-LOH)							
AW800SC3THZM-FSO (#359S-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

DISCONTINUED, AVAILABLE WHILE SUPPLIES LAST

FIGURE NUMBER	1/4	3/8	1/2	3/4	1	1-1/4	1-1/2	2
AKSC3TFZM (#317F)	151	151	188	218	319	391	471	974
AKSC3TFZM-FS (#319F)	160	160	199	231	336	411	496	1,025
PCS/BOX	10	10	10	10	6	4	2	1
WT/BOX	20	20	30	50	58	36	30	29
AKSC3TFZM-O (#317F-LOH)	157	157	193	222	323	408	496	994
AKSC3TFZM-FSO (#319F-LOH)	163	163	204	234	339	429	513	1,051
PCS/BOX	10	10	10	6	4	6	2	1
WT/BOX	20	20	30	30	33	55	45	29

THREADED & SOCKET WELD CARBON STEEL

**CLASS 800, 3-PC - FULL PORT, API 608
THREADED**

FIGURE NUMBER	1/4	3/8	1/2	3/4	1	1-1/4	1-1/2	2
AK800SC3TFZM (#357F)	COMING SOON CONTACT KCA FOR MORE INFORMATION							
AK800SC3TFZM-FS (#359F)								
PCS/BOX								
WT/BOX								
AK800SC3TFZM-O (#357F-LOH)								
AK800SC3TFZM-FSO (#359F-LOH)								
PCS/BOX								
WT/BOX								

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

DISCONTINUED, AVAILABLE WHILE SUPPLIES LAST

FIGURE NUMBER	1/4	3/8	1/2	3/4	1	1-1/4	1-1/2	2
AWSC3TFZM (#317FS)	159	159	198	229	334	409	495	1,024
AWSC3TFZM-FS (#319FS)	170	170	208	243	353	433	521	1,077
PCS/BOX	10	10	10	10	6	4	2	1
WT/BOX	20	20	30	50	58	36	30	29
AWSC3TFZM-O (#317FS-LOH)	165	165	204	238	339	429	514	1,052
AWSC3TFZM-FSO (#319FS-LOH)	173	173	215	246	356	450	549	1,113
PCS/BOX	10	10	10	6	4	6	2	1
WT/BOX	20	20	30	30	33	55		

CLASS 800, 3-PC - FULL PORT, API 608

SOCKET WELD

FIGURE NUMBER	1/4	3/8	1/2	3/4	1	1-1/4	1-1/2	2
AW800SC3TFZM (#357FS)	COMING SOON CONTACT KCA FOR MORE INFORMATION							
AW800SC3TFZM-FS (#359FS)								
PCS/BOX								
WT/BOX								
AW800SC3TFZM-O (#357FS-LOH)								
AW800SC3TFZM-FSO (#359FS-LOH)								
PCS/BOX								
WT/BOX								

HIGH PRESSURE THREADED & SOCKET WELD x THREADED 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)	164	221	290	611	829
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)	246	336	433	909	1,436
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)	200	250	315	635	850
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-TSW)	270	355	450	915	1,420
PCS/BOX	10	6	6	2	2
WT/BOX	34	29	41	43	52

THREADED & SOCKET WELD 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)	44	48	58	72	102	159	180	269
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)	64	64	64	102	125	238	257	333
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)	146	174	205	334	440	584
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

FIGURE NUMBER	1/4	3/8	1/2	3/4	1	1-1/4	1-1/2	2
AKUTKZM-FS (#129)	84	84	84	98	123	252	276	302
PCS/BOX	25	20	20	15	10	30*	18*	10*
WT/BOX	9	7	12	13	12	58	51	51
AKUTKZM-FSO (#129-LOH)	90	90	90	104	129	259	283	309
PCS/BOX	8	8	8	8	8	20*	12*	8*
WT/BOX	5	5	7	9	11	42	43	36

*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"), 2-PC - SINGLE REDUCED PORT THREADED

FIGURE NUMBER	1/4	3/8	1/2	3/4	1	1-1/4	1-1/2	2
AKUTHZM (#227)	75	75	75	119	141	275	341	356
AKUTHZM-FS (#229)	92	92	92	136	162	300	375	391
PCS/BOX	35	35	24	16	11	30*	16*	12*
WT/BOX	15	15	15	15	19	66	58	68
AKUTHZM-O (#227-LOH)	82	82	82	123	147	282	349	364
AKUTHZM-FSO (#229-LOH)	98	98	98	143	168	307	381	400
PCS/BOX	8	8	6	6	4	20*	12*	8*
WT/BOX	6	6	5	7	9	48	46	47

*Carton quantity/bagged individually.

THREADED & SOCKET WELD 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"), SEAL WELDED 2-PC - SINGLE REDUCED PORT

THREADED

FIGURE NUMBER	1/4	3/8	1/2	3/4	1	1-1/4	1-1/2	2
AKUTHWZM (#247)	162	162	177	221	322	440	568	689
AKUTHWZM-FS (#249)	176	176	193	239	341	461	598	720
PCS/BOX	33	33	23	15	10	30*	16*	12*
WT/BOX	15	15	15	15	19	66	58	68
AKUTHWZM-O (#247-LOH)	166	166	184	227	326	447	575	697
AKUTHWZM-FSO (#249-LOH)	180	180	199	245	347	468	606	728
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

DISCONTINUED, AVAILABLE WHILE SUPPLIES LAST

FIGURE NUMBER	1/2	3/4	1	1-1/4	1-1/2	2	2-1/2
AKU3THZM (#327)	225	298	374	475	592	787	1,442
AKU3THZM-FS (#329)	276	346	433	527	637	897	1,510
PCS/BOX	10	10	6	4	4	2	1
WT/BOX	20	30	30	32	36	28	29
AKU3THZM-O (#327-LOH)	229	301	377	491	PLEASE CONTACT		
AKU3THZM-FSO (#329-LOH)	281	349	436	544			
PCS/BOX	10	10	6	6	KCA		
WT/BOX	20	30	30	48			

CLASS 800, 3-PC - SINGLE REDUCED PORT

THREADED

FIGURE NUMBER	1/2	3/4	1	1-1/4	1-1/2	2	2-1/2
AK800U3THZM (#367)	COMING SOON CONTACT KCA FOR MORE INFORMATION						
AK800U3THZM-FS (#369)							
PCS/BOX							
WT/BOX							
AK800U3THZM-O (#367-LOH)							
AK800U3THZM-FSO (#369-LOH)							
PCS/BOX							
WT/BOX							

THREADED & SOCKET WELD 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

DISCONTINUED, AVAILABLE WHILE SUPPLIES LAST

FIGURE NUMBER	1/2	3/4	1	1-1/4	1-1/2	2	2-1/2
AWU3THZM (#327S)	235	315	392	499	621	827	1,514
AWU3THZM-FS (#329S)	291	363	454	554	669	943	1,584
PCS/BOX	10	10	6	4	4	2	1
WT/BOX	20	30	30	32	36	28	29
AWU3THZM-O (#327S-LOH)	242	316	395	515	PLEASE CONTACT KCA		
AWU3THZM-FSO (#329S-LOH)	295	366	457	573			
PCS/BOX	10	10	6	6	PLEASE CONTACT KCA		
WT/BOX	20	30	30	48			

CLASS 800, 3-PC - SINGLE REDUCED PORT

SOCKET WELD

FIGURE NUMBER	1/2	3/4	1	1-1/4	1-1/2	2	2-1/2
AW800U3THZM (#367S)	COMING SOON CONTACT KCA FOR MORE INFORMATION						
AW800U3THZM-FS (#369S)							
PCS/BOX							
WT/BOX							
AW800U3THZM-O (#367S-LOH)							
AW800U3THZM-FSO (#369S-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

DISCONTINUED, AVAILABLE WHILE SUPPLIES LAST

FIGURE NUMBER	1/4	3/8	1/2	3/4	1	1-1/4	1-1/2	2
AKU3TFZM (#327F)	225	225	298	374	456	592	787	1,442
AKU3TFZM-FS (#329F)	276	276	346	415	509	637	821	1,510
PCS/BOX	10	10	10	10	6	4	2	1
WT/BOX	20	20	30	50	58	36	30	29
AKU3TFZM-O (#327F-LOH)	229	229	301	377	457	610	PLEASE CONTACT KCA	
AKU3TFZM-FSO (#329F-LOH)	281	281	350	419	512	653		
PCS/BOX	10	10	10	6	4	6	PLEASE CONTACT KCA	
WT/BOX	20	20	30	30	33	55		

THREADED & SOCKET WELD STAINLESS STEEL

**CLASS 800, 3-PC - FULL PORT
THREADED**

FIGURE NUMBER	1/4	3/8	1/2	3/4	1	1-1/4	1-1/2	2
AK800U3TFZM (#367F)	COMING SOON CONTACT KCA FOR MORE INFORMATION							
AK800U3TFZM-FS (#369F)								
PCS/BOX								
WT/BOX								
AK800U3TFZM-O (#367F-LOH)								
AK800U3TFZM-FSO (#369F-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

SOCKET WELD

DISCONTINUED, AVAILABLE WHILE SUPPLIES LAST

FIGURE NUMBER	1/4	3/8	1/2	3/4	1	1-1/4	1-1/2	2
AWU3TFZM (#327FS)	235	235	315	392	478	621	827	1,515
AWU3TFZM-FS (#329FS)	291	291	363	436	535	669	862	1,584
PCS/BOX	10	10	10	10	6	4	2	1
WT/BOX	20	20	30	50	58	36	30	29
AWU3TFZM-O (#327FS-LOH)	240	240	316	395	481	673	PLEASE CONTACT KCA	
AWU3TFZM-FSO (#329FS-LOH)	295	295	367	440	539	724		
PCS/BOX	10	10	10	6	4	6	KCA	
WT/BOX	20	20	30	30	33	55		

CLASS 800, 3-PC - FULL PORT

SOCKET WELD

FIGURE NUMBER	1/4	3/8	1/2	3/4	1	1-1/4	1-1/2	2
AW800U3TFZM (#367FS)	COMING SOON CONTACT KCA FOR MORE INFORMATION							
AW800U3TFZM-FS (#369FS)								
PCS/BOX								
WT/BOX								
AW800U3TFZM-O (#367FS-LOH)								
AW800U3TFZM-FSO (#369FS-LOH)								
PCS/BOX								
WT/BOX								

HIGH PRESSURE THREADED 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)	400	535	631	1,476	2,069
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)	534	661	814	2,123	2,798
PCS/BOX	10	6	6	2	2
WT/BOX	34	29	41	43	52

LOCKING LEVER HANDLES FOR THREADED VALVES

FIGURE NUMBER	VALVE SIZE	SPECIFY MODEL NO.	LIST PRICE INSTALLED
AKSCTKZM-FS (#119) AKUTKZM-FS (#129)	1/4" 3/8" 1/2"-3/4" 1"-1-1/4" 1-1/2"-2"	LL-10 LL-11 LL-12 LL-13 LL-14	26 26 28 29 30
AKSCTHZM (#217) AKSCTHZM-FS (#219) AKUTHZM (#227) AKUTHZM-FS (#229) AKSCTHWZM (#237) AKSCTHWZM-FS (#239) AKUTHWZM (#247) AKUTHWZM-FS (#249)	1/2" 3/4" & 1" 1-1/4"-1-1/2" 2" 2-1/2"	LL-15 LL-16 LL-17 LL-18 LL-19	27 27 28 31 31
AKSC3THZM (#317) AKSC3THZM-FS (#319) AWSC3THZM (#317S) AWSC3THZM-FS (#319S) AKU3THZM (#327) AKU3THZM-FS (#329) AWU3THZM (#327S) AWU3THZM-FS (#329S)	1/2" 3/4" 1" 1-1/4"-1-1/2" 2" 2-1/2"	LL-20 LL-21 LL-22 LL-23 LL-24 L-25 (non-locking)	36 40 40 52 67 62
	*Handle Bolt	8	
AKSC3TFZM (#317F) AKSC3TFZM-FS (#319F) AWSC3TFZM (#317FS) AWSC3TFZM-FS (#319FS) AKU3TFZM (#327F) AKU3TFZM-FS (#329F) AWU3TFZM (#327FS) AWU3TFZM-FS (#329FS)	1/4"-3/8" 1/2" 3/4" 1"-1-1/4" 1-1/2" 2"	LL-20 LL-21 LL-22 LL-23 LL-24 L-25 (non-locking)	36 40 40 52 67 60
	*Handle Bolt	7	

OVAL HANDLE FOR FLANGED VALVES

FIGURE NUMBER	VALVE SIZE	SPECIFY MODEL NO.	LIST PRICE INSTALLED
150U/SCTAZM (-FS)	1/2"	OH-20(Z)	35
	3/4"	OH-20(Z)	35
and	1"	OH-21(Z)	35
	1-1/2"	OH-23(Z)	65
300U/SCTAZM (-FS)	2"	OH-24(Z)	83
150U/SCTDZM (-FS)	1/2"	OH-21(Z)	35
	3/4"	OH-21(Z)	35
and	1"	OH-23(Z)	65
	1-1/2"	OH-24(Z)	65
300U/SCTDZM (-FS)	2"	OH-24(Z)	83

OVAL HANDLE FOR THREADED VALVES

FIGURE NUMBER	VALVE SIZE	SPECIFY MODEL NO.	LIST PRICE INSTALLED
AKUTAHM (#39) AKSCTAHM (#49M)	1/4"-1/2"	OH-2	31
	3/4"-1"	OH-3	38
	1-1/4"-1-1/2"	OH-4	38
	2"	OH-5	52
AKUTFM (#53F)	1/2"	OH-2	31
	3/4"-1"	OH-3	39
	1-1/4"-1-1/2"	OH-4	39
	2"	OH-5	46
AKSCTKZM-FS (#119) AKUTKZM-FS (#129) (Locking Oval)	1/4"	OH-10L	32
	3/8"	OH-11L	32
	1/2"-3/4"	OH-12L	33
	1"-1-1/4"	OH-13L	33
	1-1/2"-2"	OH-14L	38
AKSCTHZM (#217) AKSCTHZM-FS (#219) AKUTHZM (#227) AKUTHZM-FS (#229) AKSCTHWZM (#237) AKSCTHWZM-FS (#239) AKUTHWZM (#247) AKUTHWZM-FS (#249) (Locking Oval)			
	1/4"-3/8"	OH-15L	35
	1/2"-3/4"	OH-16L	35
	1"-1-1/4"	OH-17L	36
	1-1/2"-2"	OH-18L	40
AKSC3THZM (#317) AKSC3THZM-FS (#319) AWSC3THZM (#317S) AWSC3THZM-FS (#319S) AKU3THZM (#327) AKU3THZM-FS (#329) AWU3THZM (#327S) AWU3THZM-FS (#329S) (Locking Oval)	1/2"	OH-20L	67
	3/4"	OH-21L	69
	1"	OH-22L	70
	1-1/4"-1-1/2"	OH-23L	98
	2"	OH-24L	104
	2-1/2"	OH-24(Z)	83
		(non-locking)	
AKSC3TFZM (#317F) AKSC3TFZM-FS (#319F) AWSC3TFZM (#317FS) AWSC3TFZM-FS (#319FS) AKU3TFZM (#327F) AKU3TFZM-FS (#329F) AWU3TFZM (#327FS) AWU3TFZM-FS (#329FS) (Locking Oval)	1/4"-3/8"	OH-20L	55
	1/2"	OH-21L	69
	3/4"	OH-22L	70
	1"-1-1/4"	OH-23L	92
	1-1/2"	OH-24L	97
	2"	OH-24(Z)	83
		(non-locking)	

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"	233
LSE-02	1/2", 3/4"	1"	234
LSE-03	1"	1-1/2"	259
LSE-04	1-1/2", 2"	2"	296
LSE-05	2-1/2", 3"	3", 4"	366
LSE-06	4"	6"	395

*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	EO86232ET15	CF1500150T316	5146TT150	88A100
	300SCTAZM	UB300	7300112236XTM	EO86232ET30	CF1500300T316	5246TT300	88A700
	150SCTDZM	SB150	9150112236XTM	EO16232ET15	CF1800150T316	8246TT150	88A200
	300SCTDZM	SB300	9300112236XTM	EO16232ET30	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	EO83232ET15	SF2500150T316	5166TT150	87B100
	300UTAZM	UB300	7300113636XTM	EO83232ET30	SF2500300T316	5266TT300	87A700
	150UTDZM	SB150	9150113636XTM	EO13232ET15	SF2800150T316	8266TT150	87A200
	300UTDZM	SB300	9300113636XTM	EO13232ET30	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	-	-	-

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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