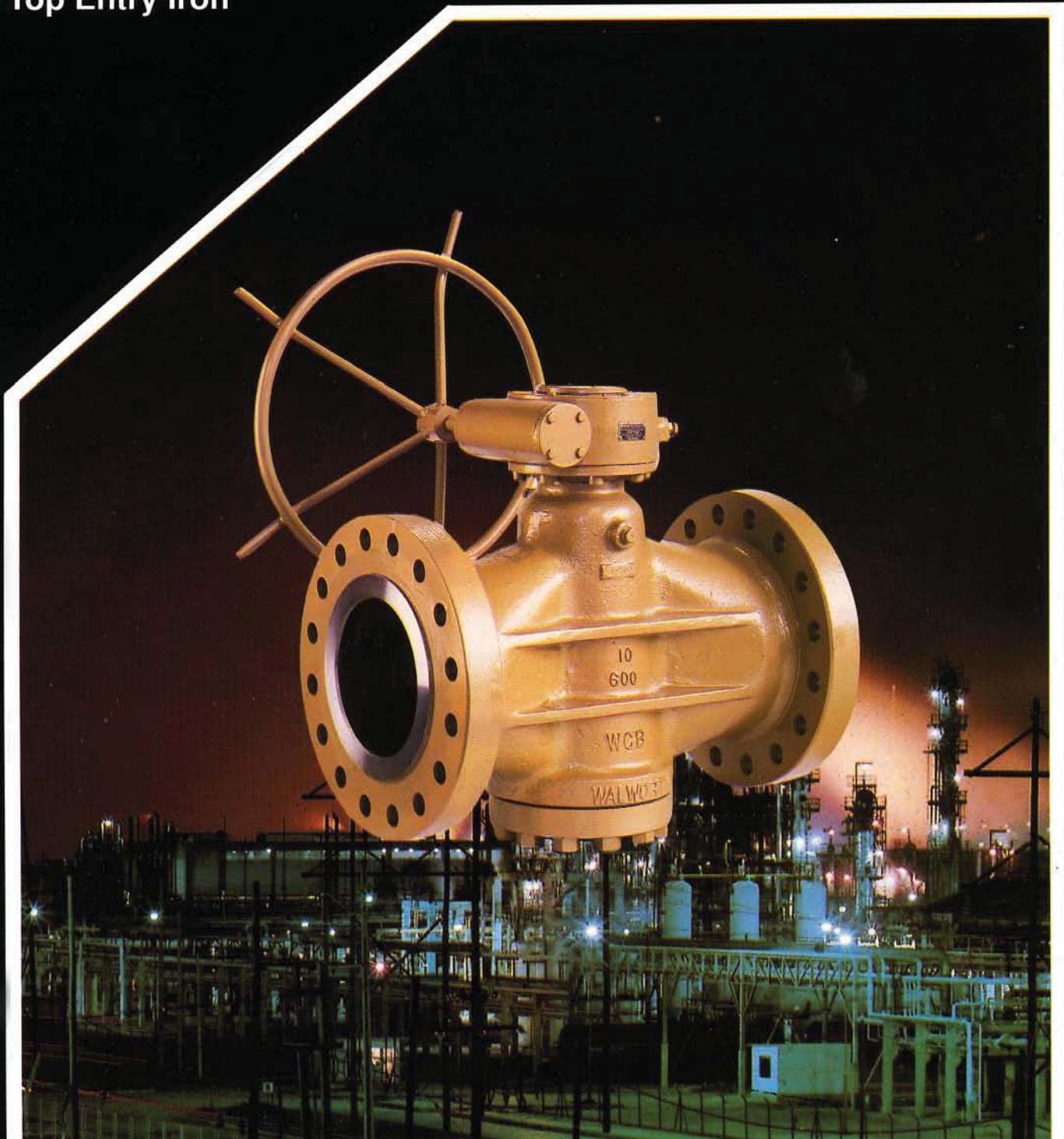


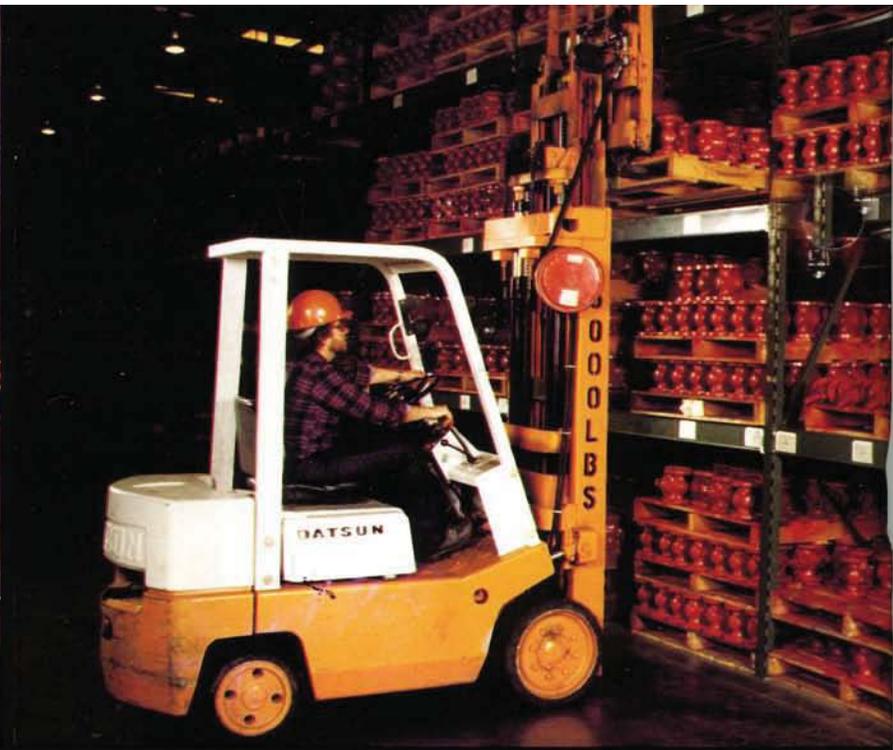


# **WALWORTH®**

## **PLUG VALVES**

Compensator Steel  
Top Entry Steel  
Top Entry Iron





Fire safety testing of the COMPENSATOR plug valve to the revised API 6FA. Consult your Walworth representative for details.



# WALWORTH

## PLUG VALVES

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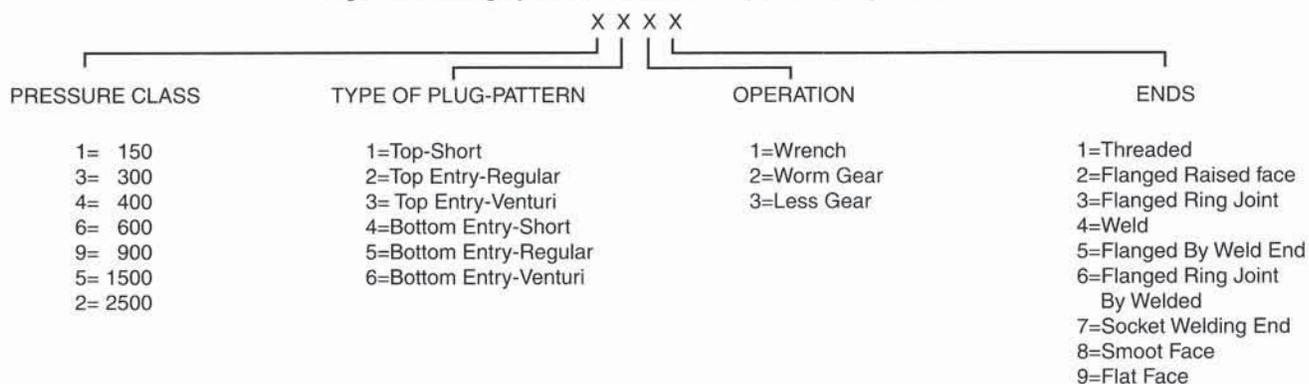


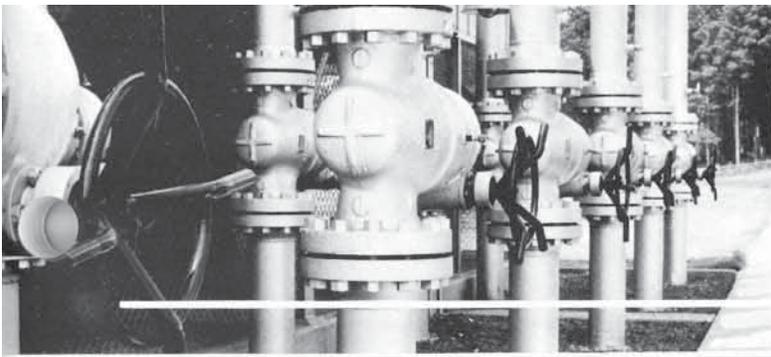
# WALWORTH

## PLUG VALVES NUMERICAL INDEX

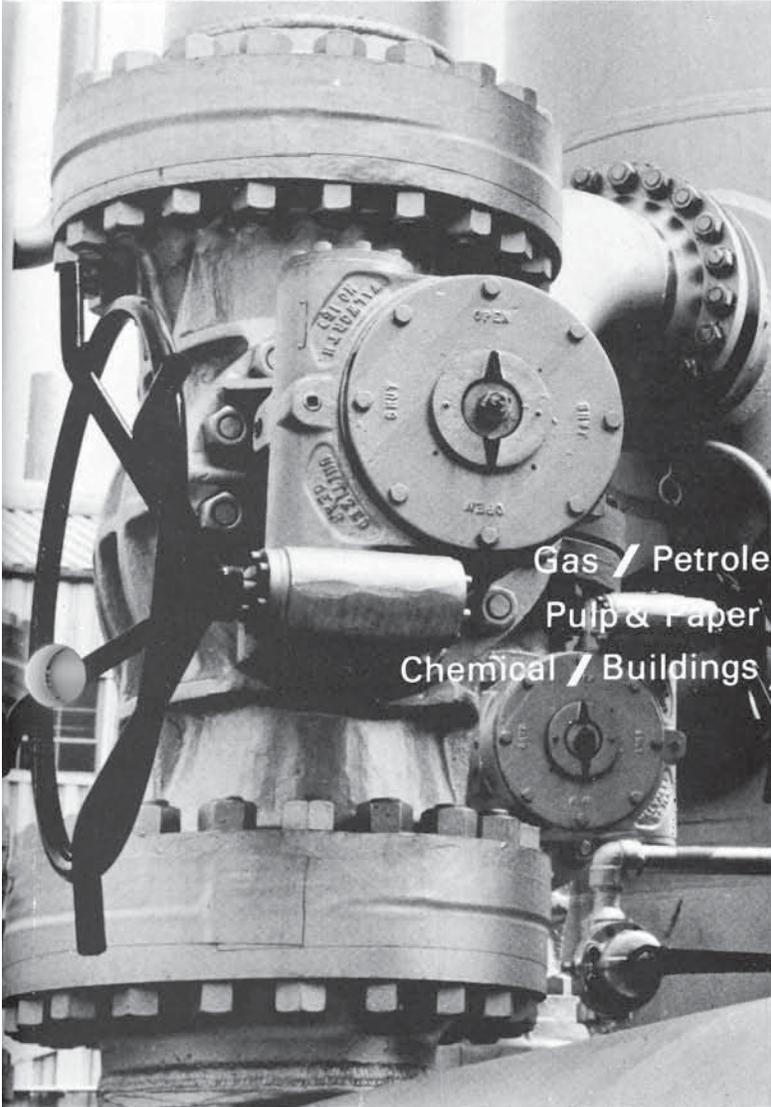
Valve Figure Number	Catalog Page						
1412	8	1966WE	32-33	3622	14-15	6612/6622	18
1414	8	1966SW	32-33	3623	14-15	6613/6623	18
1422	9	1967WE	32-33	3624	14-15	6614/6624	18
1424	9	1968WE	32-33	3625	14-15	6615/6625	18
1622	10	2511	25	5511	23	6622	19
1624	10	2512/2522	25	5512	23	6623	19
1700	37	2513/2523	25	5513	23	6624	19
1700F	37	2514/2524	25	5514	23	6625	19
1703F	38	2515/2525	25	5516	23	9511	20
1707F	38	2721F	39	5522	24	9512	20
1718F	36	2723F	39	5523	24	9513	20
1727F	36	3412	11	5524	24	9522	21
1748	31	3413	11	5526	24	9523	21
1749F	28	3414	11	6511	16	9524	21
1749WE	28	3415	11	6512	16	9525	21
1750	28	3422	12	6513	16	9622	22
1752F	29	3424	12	6514	16	9623	22
1760	30	3425	12	6515	16	9624	22
1760WE	30	3612	13	6522	17	20513-OS	26
1760F	30	3613	13	6523	17	30513-OS	26
1796	35	3614	13	6524	17	50513-OS	26
1797F	35	3615	13	6525	17		

Figure Numbering System for Walworth Compensator Plug Valves

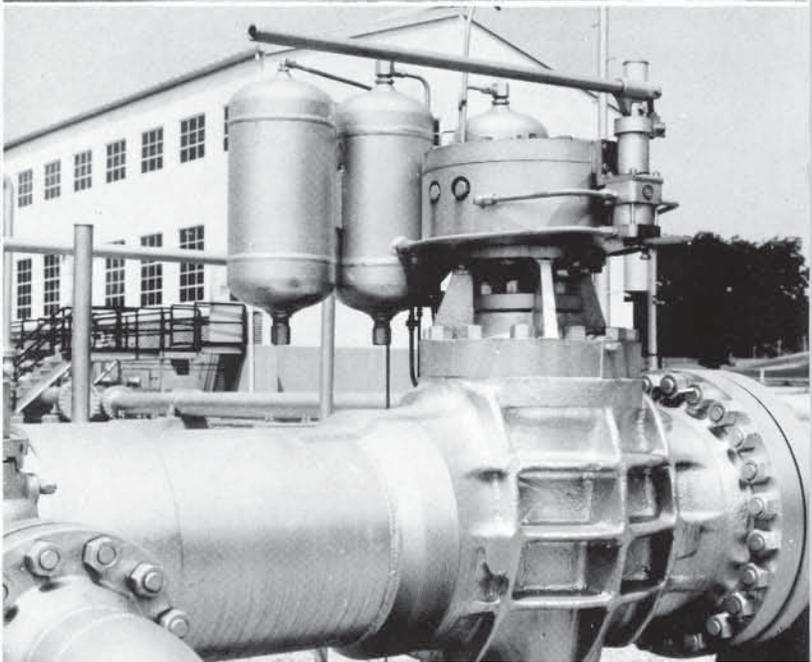
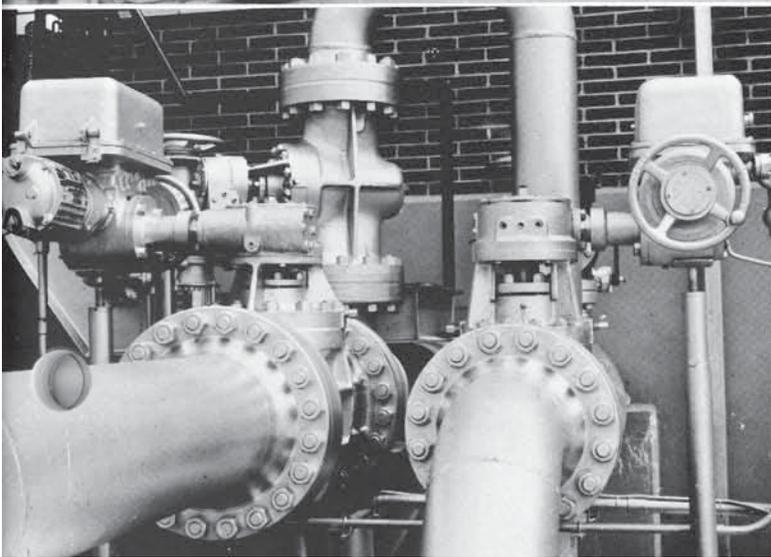
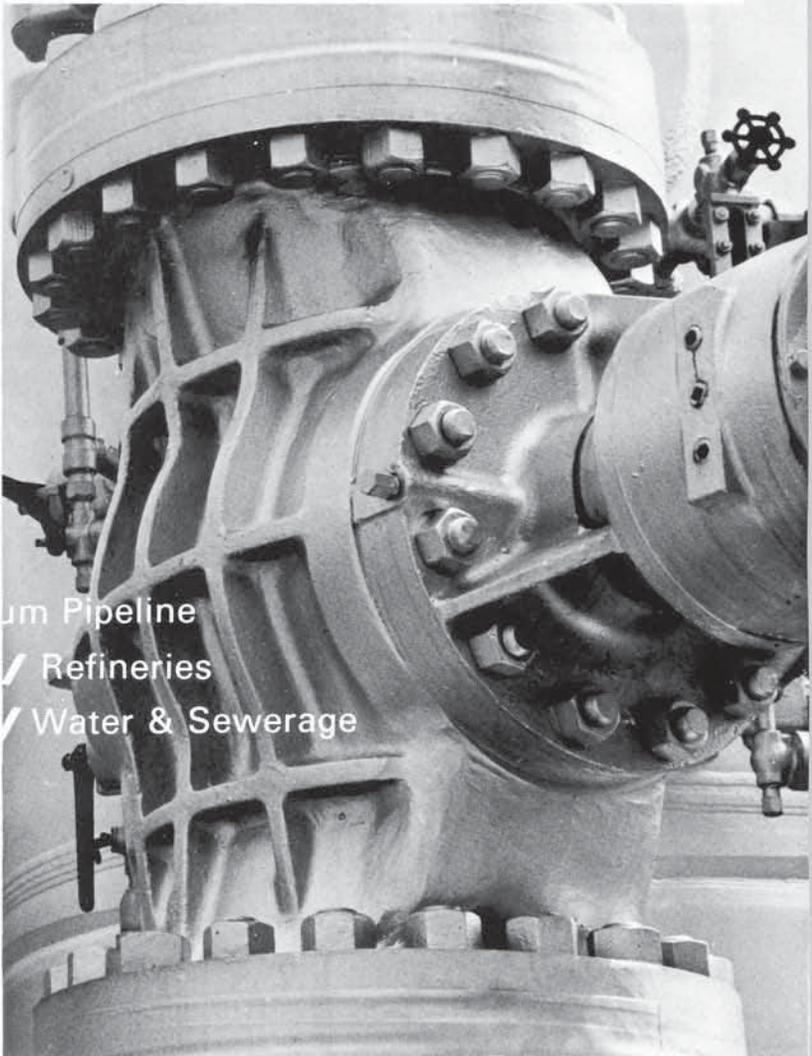




# WALWORTH PLUG VALVES



Gas / Petroleum Pipeline  
Pulp & Paper / Refineries  
Chemical / Buildings / Water & Sewerage



# WALWORTH

## ADVANTAGES OF TAPERED PLUG VALVES

---

Plug valves have inherent advantages over other conventional types of valves, especially when used in corrosive or erosive service. Some of these advantages are:

- 1. Sealing surfaces are not exposed**  
The vital surfaces of the plug are self protecting and self cleaning. When fully open, all machined seating surfaces of the plug are protected from erosion or corrosive materials. When closed, only a small area, which is not needed to effect a positive shut off, is exposed to the line fluid.
- 2. Self cleaning seating surfaces**  
The shearing action of the plug valve scrapes off any abrasive ingredient which may touch the plug in a closed position.
- 3. Smooth flow**  
The straightway passage through the plug port affords a smooth unobstructed flow, offering no opportunity for sediment or scale to collect.
- 4. Bubble tight shutoff**  
The tapered plug and sealant system assure positive bubble tight shut off when properly maintained.
- 5. Ease of operation**  
Positive quarter turn operation is quick and sure.
- 6. Plug adjustment**  
A Walworth tapered plug valve can be adjusted with the valve in line, helping to extend the service life of the valve.

The Walworth tapered plug valves are available in sizes 1/2" thru 24", in pressure classes ANSI 150 to 2500 and API 2000, 3000 & 5000.

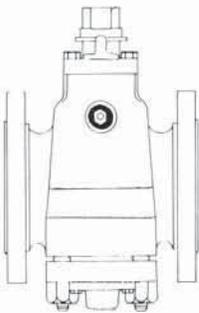
# WALWORTH

## PATTERNS OF PLUG VALVES

Walworth plug valves are available in three different patterns to provide the efficiency, economy, and flexibility to meet the valve needs of most piping systems.

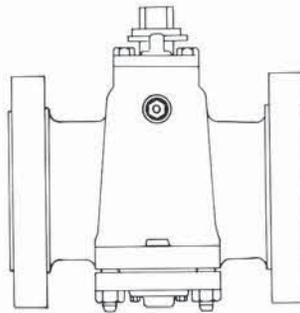
### SHORT PATTERN

Provides face to face dimensions that match gate valves



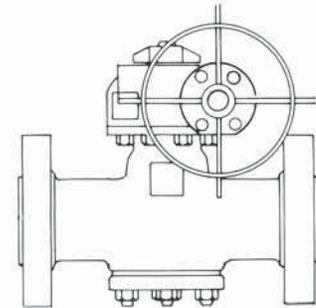
### REGULAR PATTERN

Offers the largest port opening in a trapezoidal configuration-close to a full pipe size



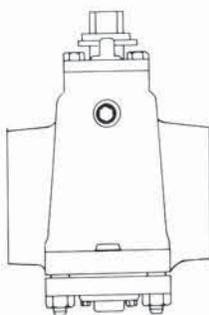
### VENTURI PATTERN

Has a smaller port than the other two patterns. Is lower in cost, flow contours maximize hydraulic efficiency

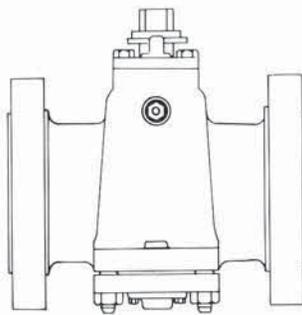


### PLUG VALVE END CONFIGURATIONS

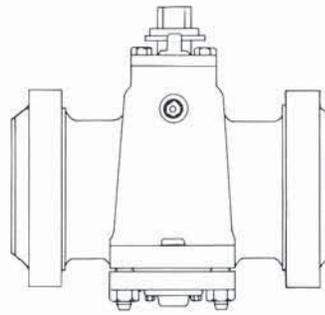
Walworth plug valves are available with threaded, flanged, butt weld or flanged x butt weld ends. Flanges are provided with either raised face or ring joint facings.



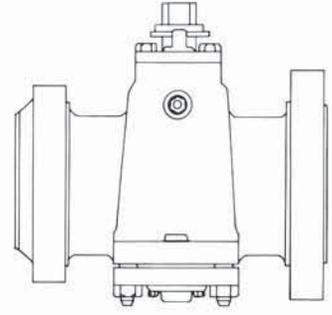
THREADED



FLANGED

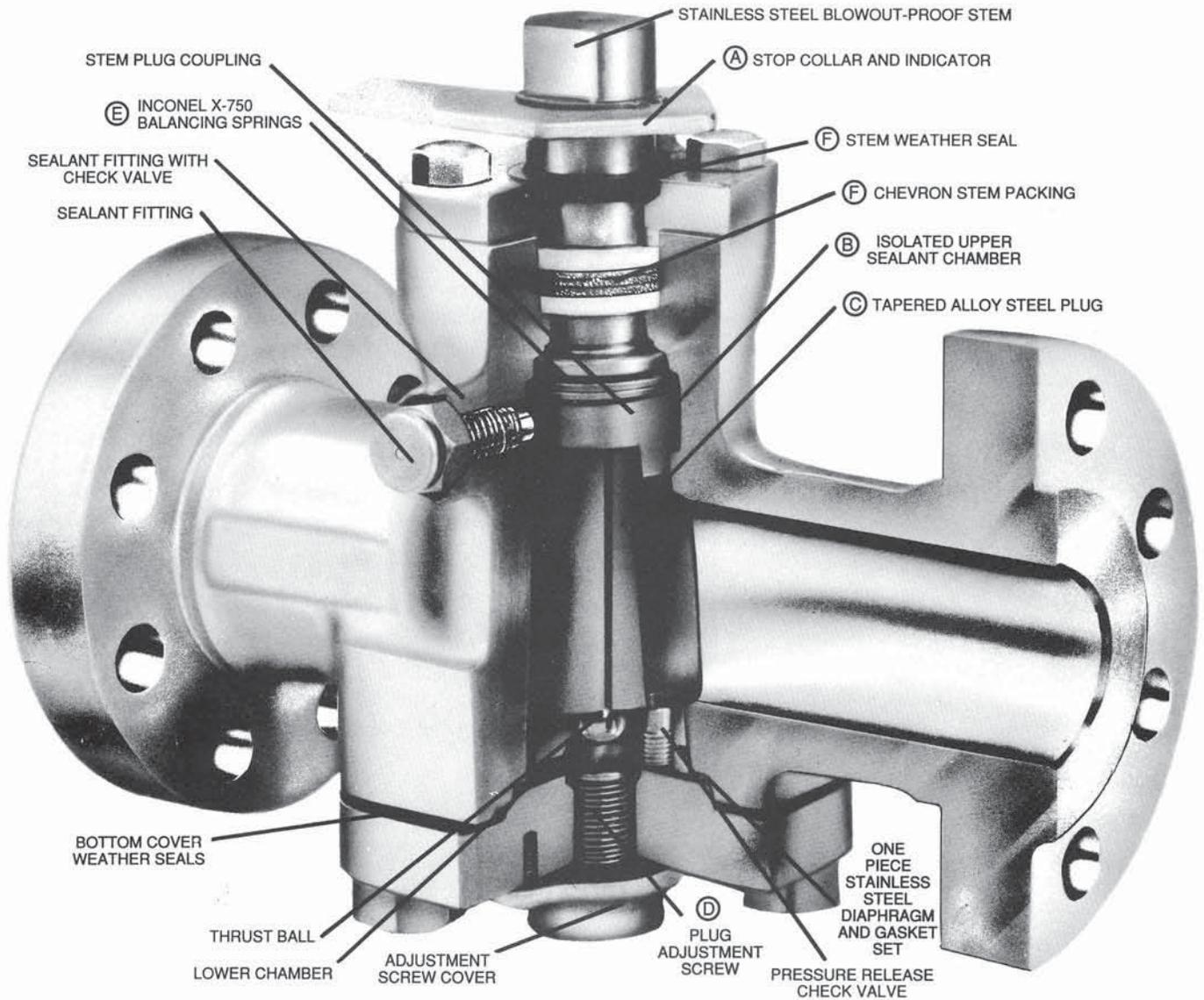


WELDING ENDS



COMBINATION

# THE WALWORTH COMPENSATOR - Steel Plug Valve



## Codes and Standards Compliance

ANSI (American National Standards Institute)

API (American Petroleum Institute)

MSS (Manufacturing Standardization Society)

ANSI B16.34 Flanged valves  
ANSI B 2.1 Pipe threads  
ANSI B16.5 Steel flanges  
ANSI B16.10 Face to face dimensions  
ANSI B16.20 Ring joint flanges  
ANSI B16.25 Buttweld ends

API 6D Specifications for pipe line valves  
API 598 Testing  
API 599 Design and material requirement  
API 6A Specifications for well-head equipment  
API 6FA Fire test specifications

MSS SP-25 Marking system of valves  
MSS SP-44 Steel pipe line flanges  
MSS SP-61 Pressure testing of steel valves  
MSS SP-78 Cast iron plug valves, flanged - threaded  
Canadian Standards  
CSA Z 245.15 Steel Valves  
CSA Z 299.1 Quality Assurance



WALWORTH

# THE WALWORTH Steel Plug Valve - COMPENSATOR

## The COMPENSATOR® . . .

. . . the plug valve that eliminates taper lock for years of dependable service with little or no maintenance even in hostile environments.

### Patented "Positive Bias" Balanced Plug Design

The COMPENSATOR plug valve design is based on a load compensating, mechanically balanced tapered plug, which cannot bind or lock. Maintenance is virtually eliminated, lower operating torque is achieved, and size and weight are reduced by 20% to 25%. The COMPENSATOR provides these major benefits, while retaining the positive shut-off, fire safety, and resistance to corrosion and erosion long associated with conventional tapered plug valves.

### How It Works

Unlike other tapered plug valve designs, Walworth's COMPENSATOR plug valve does not rely solely on sealant or line pressure to keep the plug from wedging or binding in the valve body. Instead, the COMPENSATOR utilizes Inconel\* long life spring-type washers and an adjusting screw to mechanically balance the plug and compensate for line pressure. The function of the sealant, therefore, is to provide a back-up to the tight seal between the plug and body. The sealant chamber is isolated from the line media. A sealant fitting is provided to permit injection of sealant into the isolated chambers to assure a bubble tight seal and to lubricate internal parts.

### Positive Downward Bias Pressure Balance

There is a passageway with a ball check between the flow port of the plug and the lower chamber. When a pressure rise occurs in the flow port area, the ball check is held shut, forcing pressure equalization to take place through the annular clearance gap at the top and bottom of the tapered plug. Since the net differential plug area is greater at the bottom the result is a net downward force acting on the plug. In the event of a sudden drop in flow port pressure, the positive bias downward is maintained because the upper sealant chamber is forced to equalize through the annular gap while the lower cavity equalizes through the gap as well as through the ball check valve. Thus the lower chamber reaches equilibrium with the flow port well before the upper chamber, causing the plug to stay against the ball at its base.

(See page 59 for more information on the COMPENSATOR design.)

\* Inconel is a trademark of International Nickel Company

®COMPENSATOR is a registered trademark of the Walworth Company.

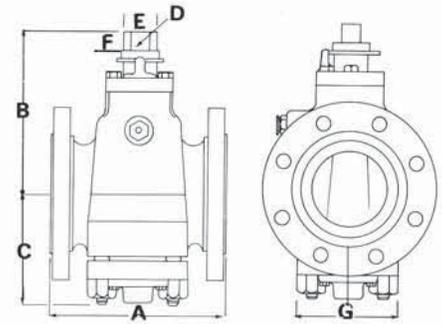
- (A) **Open/Close Indicator** — quarter-turn stop collar also functions as an indicator of the plug's position.
- (B) **Isolated Sealant Chamber** — the sealant's function is to provide a back-up to the positively biased surface between the plug and the body.
- (C) **Plug** — the mechanically balanced plug has a permanently bonded PERFLO coating for a very low coefficient of friction. Operating torque remains low over the 4,000 cycle test life of the valve.
- (D) **Plug Adjustment** — the steel plug is mechanically loaded into the body to put tension on the balance spring and then it is adjusted for optimum balance and performance. The adjustment screw is covered to prevent tampering and possible misadjustment.
- (E) **Balancing Spring** — the mechanical spring-type Grade X-750 Inconel washer is under compression and holds the plug in an equalized pressure position, thus eliminating the possibility of plug taper lock.
- (F) **Stem Sealing System** — the stem is protected two ways. The weather seal protects it from external attack. High temperature soft packing protects the stem against internal leakage.



# WALWORTH COMPENSATOR STEEL PLUG VALVES

ANSI 150  
SHORT PATTERN  
WRENCH OPERATED  
CARBON STEEL BODY  
AND ALLOY STEEL PLUG

**1412**  
Flanged Raised  
Face  
**1414**  
Weld Ends



## DIMENSIONS and WEIGHTS

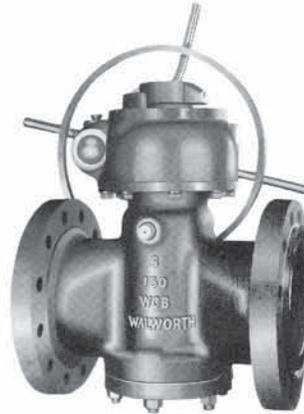
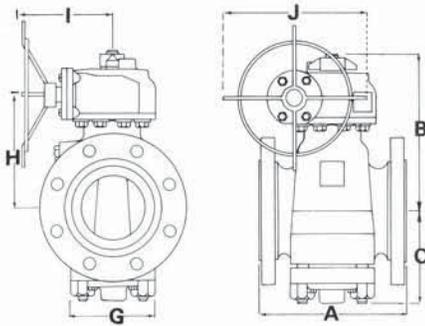
FIGURE NO.		SIZE OF VALVE IN INCHES					
		2	3	4	6	8	
1412	FLANGED RAISED FACE	A	7	8	9	10.50	11.50
1414	WELD X WELD	A	—	—	—	18	20.50
	CENTER TO TOP	B	5.90	6.84	7.37	9.51	11.75
	CENTER TO BOTTOM	C	3.78	4.41	4.94	6.25	9
	WIDTH OF FLAT STEM	D	1	1	1	1.25	1.25
	DIAMETER OF STEM	E	1.37	1.37	1.37	1.99	1.99
	HEIGHT OF PLUG STEM	F	0.77	0.77	0.77	1.31	1.31
	EXTREME BODY WIDTH	G	4.37	4.62	5.25	8.12	11
	WRENCH NUMBER	—	IB-2	IB-2	IB-2	IB-3	IB-3
1412	WEIGHT (APPROX.) Lb.	—	35	65	77	141	195
1414	WEIGHT (APPROX.) Lb.	—	26	48	60	100	154



WALWORTH

ANSI 150  
 SHORT PATTERN  
 GEAR OPERATED  
 CARBON STEEL BODY  
 AND ALLOY STEEL PLUG

# WALWORTH COMPENSATOR STEEL PLUG VALVES



**1422**  
 Flanged Raised  
 Face  
**1424**  
 Weld Ends

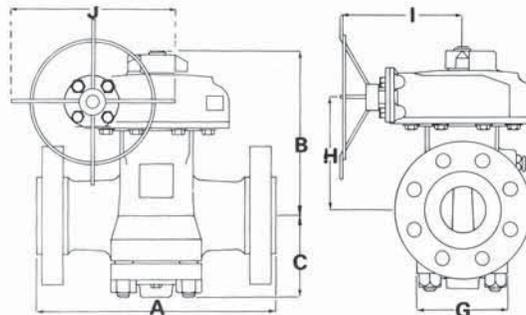
## DIMENSIONS and WEIGHTS

FIGURE NO.		SIZE OF VALVE IN INCHES				
		6	8	10	12	
<b>1422</b>	FLANGED RAISED FACE	A	10.50	11.50	13	14
<b>1424</b>	WELD X WELD	A	18	20.50	22	25
	CENTER TO TOP	B	13.25	15.75	16.12	18.37
	CENTER TO BOTTOM	C	6.25	9	9.50	11
	EXTREME BODY WIDTH	B	8.12	11	14	16
	CENTER OF PORT TO CENTER OF HANDWHEEL	H	9.31	11.75	12	14
	LONGITUDINAL CENTERLINE TO FACE OF HANDWHEEL	I	12.20	12.20	12.20	12.20
	HANDWHEEL DIAMETER	J	23	23	23	23
	NUMBER OF TURNS TO OPEN		9	9	12.50	12.50
	GEAR OPERATOR No.		1	1	2	2
<b>1422</b>	WEIGHT (APPROX.) Lb.		192	255	400	600
<b>1424</b>	WEIGHT (APPROX.) Lb.		144	192	320	420

# WALWORTH COMPENSATOR STEEL PLUG VALVES

ANSI 150  
VENTURI PATTERN  
GEAR OPERATED  
CARBON STEEL BODY  
AND IRON PLUG

**1622**  
Flanged Raised  
Face  
**1624**  
Weld Ends



## DIMENSIONS and WEIGHTS

FIGURE  
NO.

SIZE OF VALVE IN INCHES

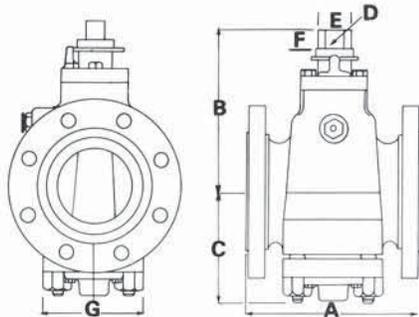
FIGURE NO.		SIZE OF VALVE IN INCHES	
		14	16
1622	FLANGED RAISED FACE	A	27 30
1624	WELD X WELD	A	27 30
	CENTER TO TOP	B	20 25
	CENTER TO BOTTOM	C	11 13
	EXTREME BODY WIDTH	G	18 20
	CENTER OF PORT TO CENTER OF HANDWHEEL	H	15 18
	LONGITUDINAL CENTERLINE TO FACE OF HANDWHEEL	I	15 15
	HANDWHEEL DIAMETER	J	23 26
	NUMBER OF TURNS TO OPEN		16 20
	GEAR OPERATOR No.		3 4
1622	WEIGHT (APPROX.) Lb.		1010 1600
1624	WEIGHT (APPROX.) Lb.		758 1200



WALWORTH

ANSI 300  
 SHORT PATTERN  
 WRENCH OPERATED  
 CARBON STEEL BODY  
 AND ALLOY STEEL PLUG

# WALWORTH COMPENSATOR STEEL PLUG VALVES



**3412**  
 Flanged Raised  
 Face

**3413**  
 Flanged ring  
 type joint

**3414**  
 Weld Ends

**3415**  
 Flanged RF  
 X Weld

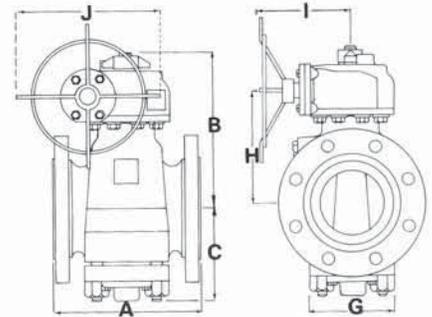
## DIMENSIONS and WEIGHTS

FIGURE NO.			SIZE OF VALVE IN INCHES			
			2	3	4	6
3412	FLANGED RAISED FACE	A	8.50	11.12	12	15.87
3413	FLANGED RING TYPE JOINT	A	9.12	11.75	12.62	16.50
3414	WELD X WELD	A	10.50	13	14	18
3415	FLANGED RF X WELD	A	9.50	12.06	13	16.94
	CENTER TO TOP	B	4.50	6.84	7.37	9.51
	CENTER TO BOTTOM	C	3.78	4.41	4.94	6.25
	WIDTH OF FLAT STEM	D	1.00	1.00	1.00	1.25
	DIAMETER OF STEM	E	1.37	1.37	1.37	1.99
	HEIGHT OF PLUG STEM	F	0.74	0.77	0.77	1.31
	EXTREME BODY WIDTH	G	4.37	4.62	5.25	8.12
	WRENCH NUMBER		IB-2	IB-2	IB-2	IB-3
3412	WEIGHT (APPROX.) Lb.		44	76	90	199
3413	WEIGHT (APPROX.) Lb.		41	78	93	205
3414	WEIGHT (APPROX.) Lb.		30	57	68	161
3415	WEIGHT (APPROX.) Lb.		35	67	79	175

# WALWORTH COMPENSATOR STEEL PLUG VALVES

ANSI 300  
SHORT PATTERN  
GEAR OPERATED  
CARBON STEEL BODY  
AND ALLOY STEEL PLUG

**3422**  
Flanged Raised  
Face  
**3424**  
Weld Ends  
**3425**  
Flanged RF  
X Weld



## DIMENSIONS and WEIGHTS

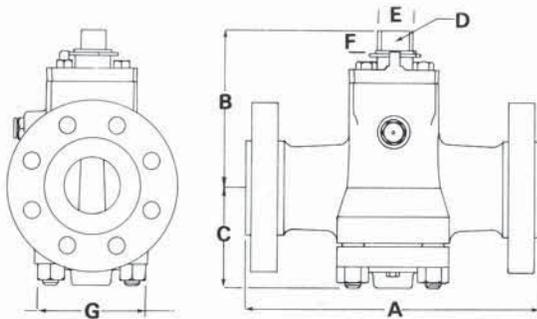
FIGURE NO.			SIZE OF VALVE IN INCHES			
			3	4	6	8
3422	FLANGED RAISED FACE	A	11.12	12	15.87	16.50
3424	WELD X WELD	A	13	14	18	20.50
3425	FLANGED RF X WELD	A	12.06	13	16.94	18.50
	CENTER TO TOP	B	11.30	11.81	13.25	15.75
	CENTER TO BOTTOM	C	4.41	4.94	6.25	10
	EXTREME BODY WIDTH	G	4.62	5.25	8.12	14
	CENTER OF PORT TO CENTER OF HANDWHEEL	H	7.34	7.87	9.31	11.75
	LONGITUDINAL CENTERLINE TO FACE OF HANDWHEEL	I	12.20	12.20	12.20	12.20
	HANDWHEEL DIAMETER	J	23	23	23	23
	NUMBER OF TURNS TO OPEN		9	9	9	9
	GEAR OPERATOR No.		1	1	1	1
3422	WEIGHT (APPROX.) Lb.		136	150	260	400
3424	WEIGHT (APPROX.) Lb.		102	115	195	300
3425	WEIGHT (APPROX.) Lb.		119	133	228	350



WALWORTH

ANSI 300  
 VENTURI PATTERN  
 WRENCH OPERATED  
 CARBON STEEL BODY  
 AND IRON PLUG

# WALWORTH COMPENSATOR STEEL PLUG VALVES



**3612**  
 Flanged Raised  
 Face

**3613**  
 Flanged Ring  
 Type Joint

**3614**  
 Weld Ends

**3615**  
 Flanged RF  
 X Weld

## DIMENSIONS and WEIGHTS

FIGURE NO.		SIZE OF VALVE IN INCHES	
		6	8
3612	FLANGED RAISED FACE	A	15.87 16.50
3613	FLANGED RING TYPE JOINT	A	16.50 17.12
3614	WELD X WELD	A	18 20.50
3615	FLANGED RF X WELD	A	16.23 18.50
	CENTER TO TOP	B	9.62 10.50
	CENTER TO BOTTOM	C	5.87 7.75
	WIDTH OF FLAT STEM	D	1.25 1.25
	DIAMETER OF STEM	E	1.99 1.99
	HEIGHT OF PLUG STEM	F	1.31 1.31
	EXTREME BODY WIDTH	G	7.62 8.75
	WRENCH NUMBER		IB-3 IB-3
3612	WEIGHT (APPROX.) Lb.		165 264
3613	WEIGHT (APPROX.) Lb.		170 279
3614	WEIGHT (APPROX.) Lb.		124 211
3615	WEIGHT (APPROX.) Lb.		145 238

# WALWORTH COMPENSATOR STEEL PLUG VALVES

ANSI 300  
VENTURI PATTERN  
GEAR OPERATED  
CARBON STEEL BODY  
AND IRON PLUG

**3622**

Flanged Raised  
Face

**3623**

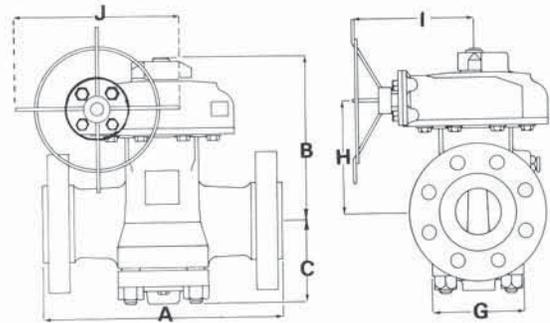
Flanged Ring  
Type Joint

**3624**

Weld Ends

**3625**

Flanged RF  
X Weld



## DIMENSIONS and WEIGHTS

SIZE OF VALVE IN INCHES

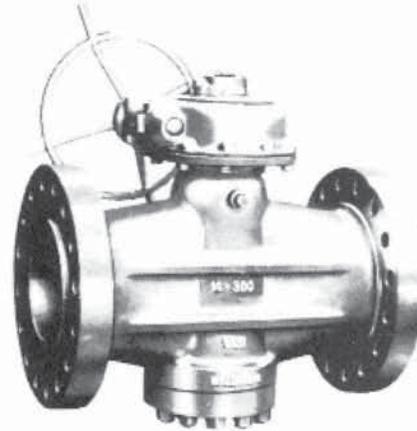
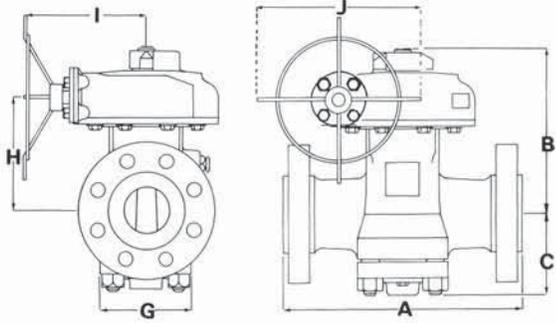
FIGURE NO.		SIZE OF VALVE IN INCHES				
		6	8	10	12	
3622	FLANGED RAISED FACE	A	15.87	16.50	18	19.75
3623	FLANGED RING TYPE JOINT	A	16.50	17.12	18.62	20.37
3624	WELD X WELD	A	18	20.50	22	25
3625	FLANGED RF X WELD	A	16.94	18.50	20	22.37
	CENTER TO TOP	B	12.87	14.37	16.10	18.30
	CENTER TO BOTTOM	C	15.87	7.75	9.40	10.40
	EXTREME BODY WIDTH	G	8	8.75	15	16
	CENTER OF PORT TO CENTER OF HANDWHEEL	H	8.87	10.44	12	13.90
	LONGITUDINAL CENTERLINE TO FACE OF HANDWHEEL	I	12.19	12.19	12.19	12.19
	HANDWHEEL DIAMETER	J	23	23	23	23
	NUMBER OF TURNS TO OPEN		9	9	12.50	12.50
	GEAR OPERATOR No.		1	1	2	2
3622	WEIGHT (APPROX.) Lb.		251	331	615	804
3623	WEIGHT (APPROX.) Lb.		258	341	633	828
3624	WEIGHT (APPROX.) Lb.		190	250	488	634
3625	WEIGHT (APPROX.) Lb.		220	291	552	719



WALWORTH

ANSI 300  
 VENTURI PATTERN  
 GEAR OPERATED  
 CARBON STEEL BODY  
 AND IRON PLUG

**WALWORTH  
 COMPENSATOR  
 STEEL PLUG VALVES**



- 3622**  
Flanged Raised Face
- 3623**  
Flanged Ring Type Joint
- 3624**  
Weld Ends
- 3625**  
Flanged RF X Weld

**DIMENSIONS and WEIGHTS**

FIGURE NO.		SIZE OF VALVE IN INCHES					
		14	16	18	20	24	
<b>3622</b>	FLANGED RAISED FACE	A	30	33	35.62	39	45
<b>3623</b>	FLANGED RING TYPE JOINT	A	30.62	32.62	—	39.75	45.87
<b>3624</b>	WELD X WELD	A	30	33	—	39	45
<b>3625</b>	FLANGED RF X WELD	A	30	33	—	39	45
	CENTER TO TOP	B	19.50	23.25	26	24.75	30.30
	CENTER TO BOTTOM	C	13.75	15	17.75	18.12	21.12
	EXTREME BODY WIDTH	G	23	25.50	—	30.50	36
	CENTER OF PORT TO CENTER OF HANDWHEEL	H	14.87	17.50	—	20.50	22.60
	LONGITUDINAL CENTERLINE TO FACE OF HANDWHEEL	I	12.18	15	15	17.10	17.10
	HANDWHEEL DIAMETER	J	26	26	32	32	32
	NUMBER OF TURNS TO OPEN		16	20	20	24	40
	GEAR OPERATOR No.		3	4	4	5	6
<b>3622</b>	WEIGHT (APPROX.) Lb.		1208	1818	—	3340	5430
<b>3623</b>	WEIGHT (APPROX.) Lb.		1244	1872	—	3440	5593
<b>3624</b>	WEIGHT (APPROX.) Lb.		988	1478	—	2950	4835

# WALWORTH COMPENSATOR STEEL PLUG VALVES

ANSI 600  
REGULAR PATTERN  
WRENCH OPERATED  
CARBON STEEL BODY  
AND ALLOY STEEL PLUG

**6511**

Threaded

**6512**

Flanged Raised  
Face

**6513**

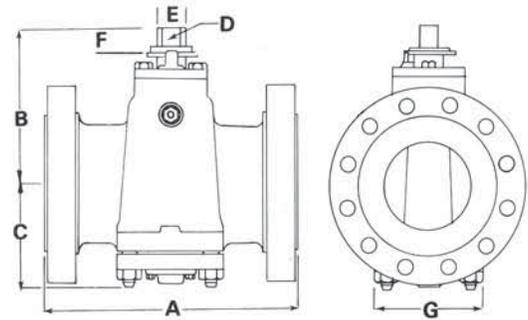
Flanged Ring  
Type Joint

**6514**

Weld Ends

**6515**

Flanged RF  
X Weld

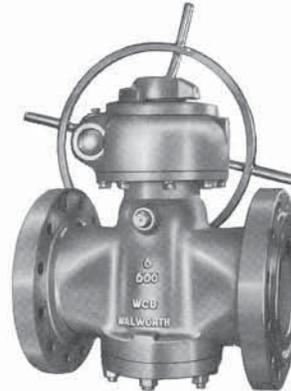
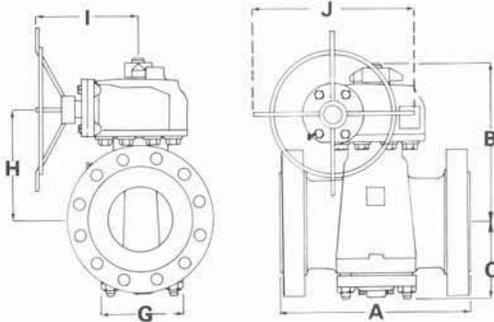


## DIMENSIONS and WEIGHTS

FIGURE NO.		SIZE OF VALVE IN INCHES						
		1	1½	2	3	4	6	
6511	THREADED	A	5	6.69	7.75	10	11.50	—
6512	FLANGED RAISED FACE	A	8.50	9.50	11.50	14	17	22
6513	FLANGED RING TYPE JOINT	A	8.50	9.50	11.62	14.12	17.12	22.12
6514	WELD X WELD	A	8.50	9.50	11.50	14	17	22
6515	FLANGED RF X WELD	A	8.50	9.50	11.50	14	17	22
	CENTER TO TOP	B	4.50	5.06	5.98	6.84	7.37	9.65
	CENTER TO BOTTOM	C	2.78	3.37	3.78	4.41	5.06	7.06
	WIDTH OF FLAT STEM	D	0.50	0.75	1	1	1	1.25
	DIAMETER OF STEM	E	0.74	1	1.37	1.37	1.37	1.99
	HEIGHT OF PLUG STEM	F	0.60	0.66	0.77	0.77	.077	1.31
	EXTREME BODY WIDTH	G	3.62	4	4.37	5	5.75	11
	WRENCH NUMBER		IB-0	IB-1	IB-2	IB-2	IB-2	IB-3
6511	WEIGHT (APPROX.) Lb.		14	24	33	55	95	—
6512	WEIGHT (APPROX.) Lb.		21	36	53	88	154	378
6514	WEIGHT (APPROX.) Lb.		16	27	40	64	110	260
6515	WEIGHT (APPROX.) Lb.		19	32	45	72	125	333

ANSI 600  
 REGULAR PATTERN  
 GEAR OPERATED  
 CARBON STEEL BODY  
 AND ALLOY STEEL PLUG

# WALWORTH COMPENSATOR STEEL PLUG VALVES



**6522**  
 Flanged Raised  
 Face

**6523**  
 Flanged Ring  
 Type Joint

**6524**  
 Weld Ends

**6525**  
 Flanged RF  
 X Weld

## DIMENSIONS and WEIGHTS

FIGURE NO.		SIZE OF VALVE IN INCHES						
		3	4	6	8	10	12	
6522	FLANGED RAISED FACE	A	14	17	22	26	31	33
6523	FLANGED RING TYPE JOINT	A	14.12	17.12	22.12	26.12	31.12	33.12
6524	WELD X WELD	A	14	17	22	26	31	33
6525	FLANGED RF X WELD	A	14	17	22	26	31	33
	CENTER TO TOP	B	11.28	11.81	13.44	16	19.20	24
	CENTER TO BOTTOM	C	4.41	5.06	7.06	9.37	10.75	13.75
	EXTREME BODY WIDTH	G	5	5.75	11	13.62	15.62	22
	CENTER OF PORT TO CENTER OF HANDWHEEL	H	7.34	7.87	9.50	12	14.75	17.37
	LONGITUDINAL CENTERLINE TO FACE OF HANDWHEEL	I	12.19	12.19	12.19	12.19	12.19	15
	HANDWHEEL DIAMETER	J	23	23	23	23	23	26
	NUMBER OF TURNS TO OPEN		9	9	9	12.50	16	20
	GEAR OPERATOR No.		1	1	1	2	3	4
6522	WEIGHT (APPROX.) Lb.		152	215	440	750	1200	1800
6523	WEIGHT (APPROX.) Lb.		156	221	453	772	1236	1854
6524	WEIGHT (APPROX.) Lb.		114	162	330	562	900	1350
6525	WEIGHT (APPROX.) Lb.		133	189	385	656	1050	1575

# WALWORTH COMPENSATOR STEEL PLUG VALVES

ANSI 600  
VENTURI PATTERN  
GEAR OR WRENCH  
OPERATED

CARBON STEEL BODY AND IRON PLUG

**6612/6622**

Flanged Raised  
Face

**6613/6623**

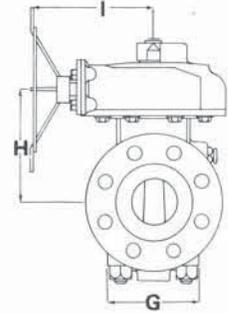
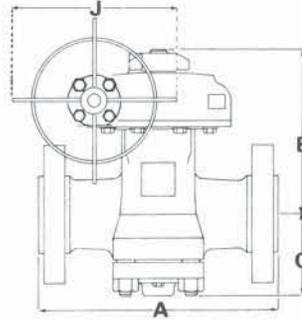
Flanged Ring  
Type Joint

**6614/6624**

Weld Ends

**6615/6625**

Flanged RF  
X Weld



## DIMENSIONS and WEIGHTS

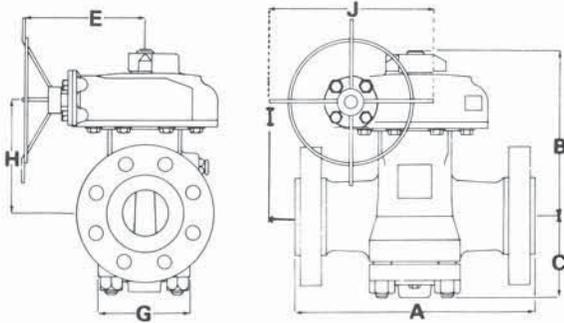
FIGURE NO.			SIZE OF VALVE IN INCHES			
			6	8	10	12
6612/6622	FLANGED RAISED FACE	A	22	26	31	33
6613/6623	FLANGED RING TYPE JOINT	A	22.12	26.12	31.12	33.12
6614/6624	WELD X WELD	A	22	26	31	33
6615/6625	FLANGED RF X WELD	A	22	26	31	33
	CENTER TO TOP	B	13.37	14.75	16.37	19.37
	CENTER TO BOTTOM	C	7	7.37	9.37	10.75
	EXTREME BODY WIDTH	G	10	10.50	13.62	15.62
	CENTER OF PORT TO CENTER OF HANDWHEEL	H	9.40	10.75	12.12	14.75
	LONGITUDINAL CENTERLINE TO FACE OF HANDWHEEL	I	12.19	12.19	12.19	12.19
	HANDWHEEL DIAMETER	J	23	23	23	23
	NUMBERS OF TURNS TO OPEN		9	9	16	16
	WRENCH NUMBER (FOR 6612, 6613, 6614, 6615)		1B-3	—	—	—
	GEAR OPERATOR No. (FOR 6622, 6623, 6624, 6625)		1	1	3	3
6612	WEIGHT (APPROX.) Lb.		346	—	—	—
6614	WEIGHT (APPROX.) Lb.		264	—	—	—
6622	WEIGHT (APPROX.) Lb.		406	610	1000	1350
6624	WEIGHT (APPROX.) Lb.		305	458	750	1013
6625	WEIGHT (APPROX.) Lb.		356	534	875	1182



WALWORTH

ANSI 600  
 VENTURI PATTERN  
 GEAR OPERATED  
 CARBON STEEL BODY  
 AND IRON PLUG

# WALWORTH COMPENSATOR STEEL PLUG VALVES



- 6622**  
Flanged Raised Face
- 6623**  
Flanged Ring Type Joint
- 6624**  
Weld Ends
- 6625**  
Flanged RF X Weld

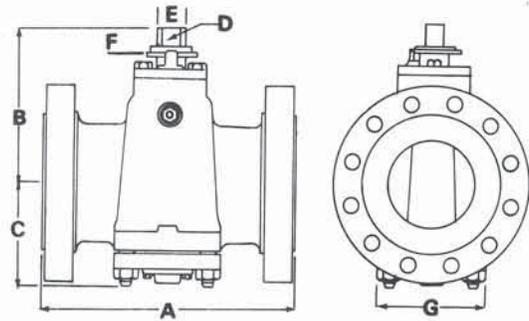
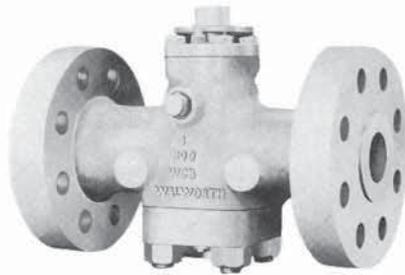
## DIMENSIONS and WEIGHTS

FIGURE NO.		SIZE OF VALVE IN INCHES					
		14	16	18	20	24	
<b>6622</b>	FLANGED RAISED FACE	A	35	39	43	47	55
<b>6623</b>	FLANGED RING TYPE JOINT	A	35.12	39.12	43.12	47.25	55.37
<b>6624</b>	WELD X WELD	A	35	39	43	47	55
<b>6625</b>	FLANGED RF X WELD	A	35	39	43	47	55
	CENTER TO TOP	B	23.37	24.62	24.10	25.12	36.37
	CENTER TO BOTTOM	C	11.62	13.75	17.50	19.12	23.75
	EXTREME BODY WIDTH	G	18.25	23	31.87	33.50	42
	LONGITUDINAL CENTERLINE TO FACE OF HANDWHEEL	E	15	15.25	—	—	—
	CENTER OF PORT TO TOP OF HANDWHEEL	I	29.20	34.41	35.63	36.63	45.00
	LONGITUDINAL CENTERLINE TO CENTERLINE OF HANDWHEEL (NOT SHOWN)		—	—	10.75	10.75	13.87
	HANDWHEEL DIAMETER	J	26	32	32	32	32
	CENTER OF PORT TO CENTER OF HANDWHEEL (CENTER OF SECONDARY WORM SHAFT COMPOUND GEAR)	H	16.20	17.40	19.63	20.63	29
	NUMBER OF TURNS TO OPEN		20	24	40	40	95.50
	GEAR OPERATOR No.		4	5	6	6	7
<b>6622</b>	WEIGHT (APPROX.) Lb.		1840	2640	4500	5450	9950
<b>6624</b>	WEIGHT (APPROX.) Lb.		1380	1480	3780	4600	8860

# WALWORTH COMPENSATOR STEEL PLUG VALVES

ANSI 900  
REGULAR PATTERN  
WRENCH OPERATED  
CARBON STEEL BODY  
AND ALLOY STEEL PLUG

- 9511**  
Threaded
- 9512**  
Flanged Raised  
Face
- 9513**  
Flanged Ring  
Type Joint

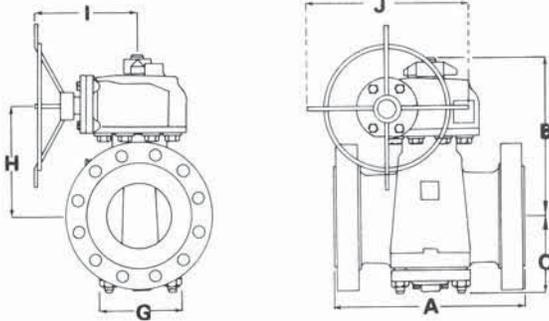


## DIMENSIONS and WEIGHTS

FIGURE NO.		SIZE OF VALVE IN INCHES			
		2	3	4	
9511	THREADED	A	7.75	10	11.50
9512	FLANGED RAISED FACE	A	14.50	15	18
9513	FLANGED RING TYPE JOINT	A	14.62	15.12	18.12
	CENTER TO TOP	B	6	7.93	8.65
	CENTER TO BOTTOM	C	3.91	5.09	6.19
	WIDTH OF FLAT STEM	D	1.00	1.25	1.25
	DIAMETER OF STEM	E	1.37	2	2
	HEIGHT OF PLUG STEM	F	0.74	1.31	1.31
	EXTREME BODY WIDTH	G	4.75	7.75	9.50
	WRENCH NUMBER		IB-2	IB-3	IB-3
9511	WEIGHT (APPROX.) Lb.		68	121	198
9512	WEIGHT (APPROX.) Lb.		90	143	228
9513	WEIGHT (APPROX.) Lb.		—	147	237

ANSI 900  
 REGULAR PATTERN  
 GEAR OPERATED  
 CARBON STEEL BODY  
 AND ALLOY STEEL PLUG

# WALWORTH COMPENSATOR STEEL PLUG VALVES



- 9522**  
Flanged Raised Face
- 9523**  
Flanged Ring Type Joint
- 9524**  
Weld Ends
- 9525**  
Flanged RF X Weld

## DIMENSIONS and WEIGHTS

FIGURE NO.		SIZE OF VALVE IN INCHES					
		3	4	6	8	10	
9522	FLANGED RAISED FACE	A	15	18	24	29	33
9523	FLANGED RING TYPE JOINT	A	15.12	18.12	24.12	29.12	33.12
9524	WELD X WELD	A	15	18	24	29	33
9525	FLANGED RF X WELD	A	15	18	24	—	—
	CENTER TO TOP	B	11.69	12.44	15.50	16.37	19.37
	CENTER TO BOTTOM	C	5.09	6.19	9	9.75	11.37
	EXTREME BODY WIDTH	G	7.75	9.50	14	15.37	15.62
	CENTER OF PORT TO CENTER OF HANDWHEEL	H	7.72	8.50	11.56	12.12	14.75
	LONGITUDINAL CENTERLINE TO FACE OF HANDWHEEL	I	12.19	12.19	12.19	12.19	15
	HANDWHEEL DIAMETER	J	23	23	23	23	26
	NUMBER OF TURNS TO OPEN		9	9	9	16	20
	GEAR OPERATOR No.		1	1	1	3	4
9522	WEIGHT (APPROX.) Lb.		203	290	550	1021	1370
9523	WEIGHT (APPROX.) Lb.		209	299	566	1052	1059
9524	WEIGHT (APPROX.) Lb.		153	218	413	766	1028
9525	WEIGHT (APPROX.) Lb.		178	254	482	—	—

# WALWORTH COMPENSATOR STEEL PLUG VALVES

ANSI 900  
VENTURI PATTERN  
GEAR OPERATED  
CARBON STEEL BODY  
AND IRON PLUG

**9622**

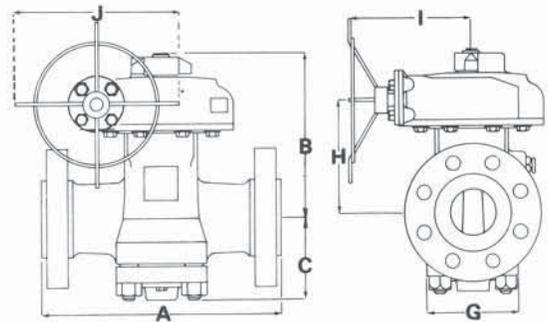
Flanged Raised  
Face

**9623**

Flanged Ring  
Type Joint

**9624**

Weld X Weld



## DIMENSIONS and WEIGHTS

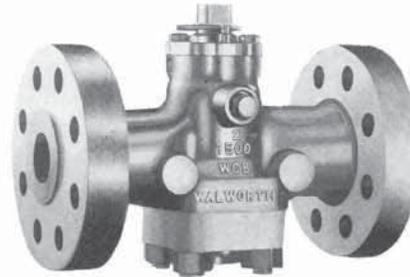
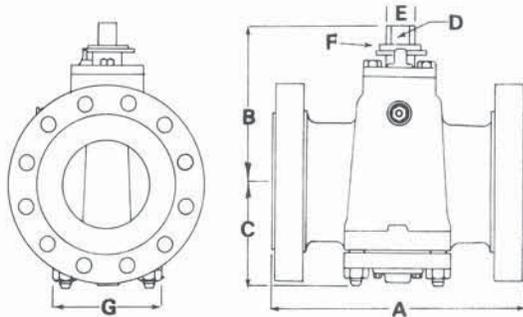
FIGURE NO.		SIZE OF VALVE IN INCHES		
		10	12	
9622	FLANGED RAISED FACE	A	33	38
9623	FLANGED RING TYPE JOINT	A	33.12	38.12
9624	WELD X WELD	A	33	38
	CENTER TO TOP	B	19.25	22.03
	CENTER TO BOTTOM	C	12.81	14.87
	EXTREME BODY WIDTH	G	12.50	14.37
	CENTER OF PORT TO CENTER OF HANDWHEEL	H	14.59	16.25
	LONGITUDINAL CENTERLINE TO FACE OF HANDWHEEL	I	12.19	15
	HANDWHEEL DIAMETER	J	23	26
	NUMBER OF TURNS TO OPEN		16	20
	GEAR OPERATOR No.		3	4
9622	WEIGHT (APPROX.) Lb.		1020	2020
9623	WEIGHT (APPROX.) Lb.		1051	2081
9624	WEIGHT (APPROX.) Lb.		670	1320



WALWORTH

ANSI 1500  
 REGULAR PATTERN  
 WRENCH OPERATED  
 CARBON STEEL BODY  
 AND ALLOY STEEL PLUG

# WALWORTH COMPENSATOR STEEL PLUG VALVES



- 5511**  
Threaded
- 5512**  
Flanged Raised Face
- 5513**  
Flanged Ring Type Joint
- 5514**  
Weld Ends
- 5516**  
Flanged RTJ X Weld

## DIMENSIONS and WEIGHTS

FIGURE NO.			SIZE OF VALVE IN INCHES						
			1/2	3/4	1	1 1/2	2	3	4
5511	THREADED	A	4.50	4.50	5	6.69	7.75	10	11.50
5512	FLANGED RAISED FACE	A	—	—	10	12	14.50	18.50	21.50
5513	FLANGED RING TYPE JOINT	A	—	—	10	12	14.62	18.62	21.62
5514	WELD X WELD	A	—	—	—	—	14.50	18.50	21.50
5516	FLANGED RTJ X WELD	A	—	—	—	—	14.56	18.56	21.56
	CENTER TO TOP	B	4.24	4.24	4.50	5.06	5.98	7.93	8.56
	CENTER TO BOTTOM	C	2.42	2.42	2.78	3.50	3.91	5.09	6.19
	WIDTH OF FLAT STEM	D	0.50	0.50	0.50	0.75	1	1.25	1.25
	DIAMETER OF STEM	E	0.74	0.74	0.74	1	1.37	2	2
	HEIGHT OF PLUG STEM	F	0.60	0.60	0.60	0.66	0.74	1.31	1.31
	EXTREME BODY WIDTH	G	3.25	3.25	3.62	4.25	4.75	8	10
	WRENCH NUMBER		IB-0	IB-0	IB-0	IB-1	IB-2	IB-3	IB-3
5511	WEIGHT (APPROX.) Lb.		11	11	21	36	60	110	125
5512	WEIGHT (APPROX.) Lb.		—	—	31	55	90	195	293
5513	WEIGHT (APPROX.) Lb.		—	—	32	57	95	201	302
5514	WEIGHT (APPROX.) Lb.		—	—	22	26	69	147	220
5516	WEIGHT (APPROX.) Lb.		—	—	—	—	84	177	266

# WALWORTH COMPENSATOR STEEL PLUG VALVES

ANSI 1500  
REGULAR PATTERN  
GEAR OPERATED  
CARBON STEEL BODY  
AND ALLOY STEEL PLUG

**5522**

Flanged Raised  
Face

**5523**

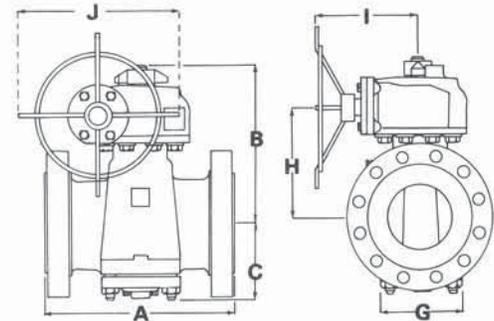
Flanged Ring  
Type Joint

**5524**

Weld Ends

**5526**

Flanged RTJ  
X Weld



## DIMENSIONS and WEIGHTS

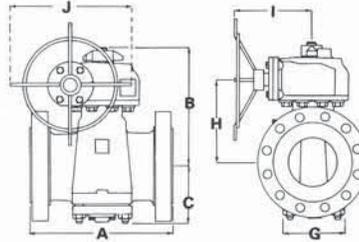
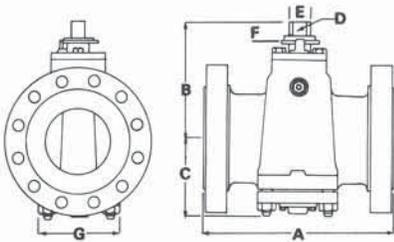
FIGURE NO.			SIZE OF VALVE IN INCHES				
			2	3	4	6	8
5522	FLANGED RAISED FACE	A	14.50	18.50	21.50	27.75	32.75
5523	FLANGED RING TYPE JOINT	A	14.62	18.62	21.62	28	33.12
5524	WELD X WELD	A	14.50	18.50	21.50	27.75	32.75
5526	FLANGED RTJ X WELD	A	14.56	18.56	21.56	27.87	32.93
	CENTER TO TOP	B	10.41	11.66	12.44	15.29	21.62
	CENTER TO BOTTOM	C	3.91	5.09	6.19	8.25	11.50
	EXTREME BODY WIDTH	G	4.75	8	10	15.25	20
	CENTER OF PORT TO CENTER OF HANDWHEEL	H	6.65	7.72	8.50	11.19	15.87
	LONGITUDINAL CENTERLINE TO FACE OF HANDWHEEL	I	12.19	12.19	12.19	12.19	15
	HANDWHEEL DIAMETER	J	23	23	23	23	26
	NUMBER OF TURNS TO OPEN		9	9	9	12.50	20
	GEAR OPERATOR No.		1	1	1	2	4
5522	WEIGHT (APPROX.) Lb.		152	233	350	845	1656
5523	WEIGHT (APPROX.) Lb.		157	240	360	870	1706
5524	WEIGHT (APPROX.) Lb.		114	175	263	634	1242
5526	WEIGHT (APPROX.) Lb.		136	208	312	753	1474



WALWORTH

ANSI 2500  
 REGULAR PATTERN  
 WRENCH/GEAR OPERATED  
 CARBON STEEL BODY  
 AND ALLOY STEEL PLUG

# WALWORTH COMPENSATOR STEEL PLUG VALVES



- 2511**  
Threaded
- 2512/2522**  
Raised Face
- 2513/2523**  
Flanged Ring  
Type Joint
- 2514/2524**  
Weld Ends
- 2516/2526**  
Flange RTJ  
X Welded

## DIMENSIONS and WEIGHTS

FIGURE NO.			SIZE OF VALVE IN INCHES								
			1/2	3/4	1	1 1/2	2	3	4	6	8
<b>2511</b>	THREADED	A	5.04	5.04	5.04	—	—	—	—	—	—
<b>2512/2522</b>	FLANGED RAISED FACE	A	—	—	12.12	15.12	17.75	22.75	26.50	36.00	40.25
<b>2513/2523</b>	FLANGED RING TYPE JOINT	A	—	—	12.12	15.25	17.88	23.00	26.88	36.50	40.88
<b>2514/2524</b>	WELD X WELD	A	—	—	—	15.12	17.75	22.75	26.50	36.00	40.25
<b>2516/2526</b>	FLANGED RTJ X WELD	A	—	—	—	15.19	17.81	22.88	26.69	36.25	40.56
	CENTER TO TOP (GEARING)	B	5.7	5.7	5.7	6.6	6.6	8.0	9.1	12.0	19.5
	CENTER TO BOTTOM	C	3.9	3.9	3.9	4.8	4.8	5.7	6.7	9.6	11.8
	WIDTH OF FLAT STEM	D	.62	.62	.62	.81	.81	1.00	1.25	—	—
	DIAMETER OF STEM	E	.85	.85	.85	1.09	1.09	1.41	1.78	—	—
	HEIGHT OF PLUG STEM	F	.90	.90	.90	1.00	1.00	1.21	1.41	—	—
	EXTREME BODY WIDTH	G	4.60	4.60	4.60	7.15	7.15	8.60	9.98	13.50	17.80
	WRENCH NUMBER		IB-0	IB-0	IB-0	IB-1	IB-2	IB-3	IB-3	—	—
	CENTERLINE OF VALVE TO CENTERLINE OF HANDWHEEL	H	—	—	—	—	—	—	—	13.2	16.2
	LONGITUDINAL CENTERLINE TO FACE OF HANDWHEEL	I	—	—	—	—	—	—	—	12.19	10.75
	HANDWHEEL DIAMETER	J	—	—	—	—	—	—	—	23	26
	NUMBER OF TURNS TO OPEN		—	—	—	—	—	—	—	12.50	32.00
	GEAR OPERATOR NUMBER		—	—	—	—	—	—	—	2	6
<b>2511</b>	WEIGHT (APPROX.) Lb.		22	22	22	—	—	—	—	—	—
<b>2512</b>	WEIGHT (APPROX.) Lb.		—	—	50	88	154	330	507	—	—
<b>2522</b>	WEIGHT (APPROX.) Lb.		—	—	—	—	—	—	—	1697	2230

# WALWORTH COMPENSATOR STEEL PLUG VALVES

OS-Offshore Design

API 2000, 3000, & 5000  
REGULAR PATTERN  
WRENCH OPERATED

CARBON STEEL  
BODY AND PLUG

## 20513-OS

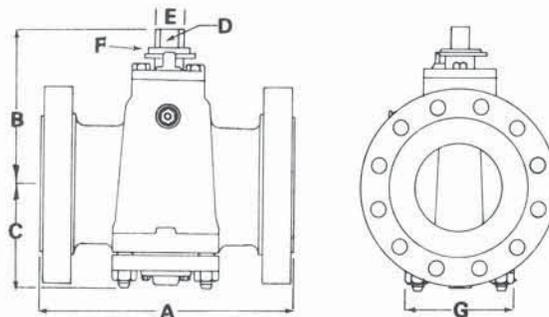
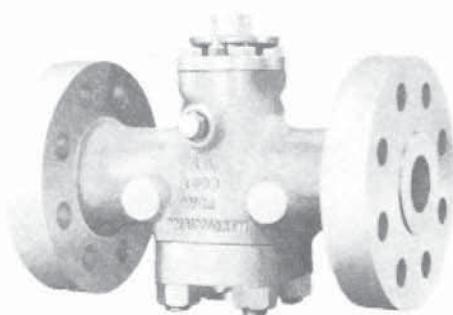
API 2000 FLANGED  
RING TYPE JOINT

## 30513-OS

API 3000 FLANGED  
RING TYPE JOINT

## 50513-OS

API 5000 FLANGED  
RING TYPE JOINT



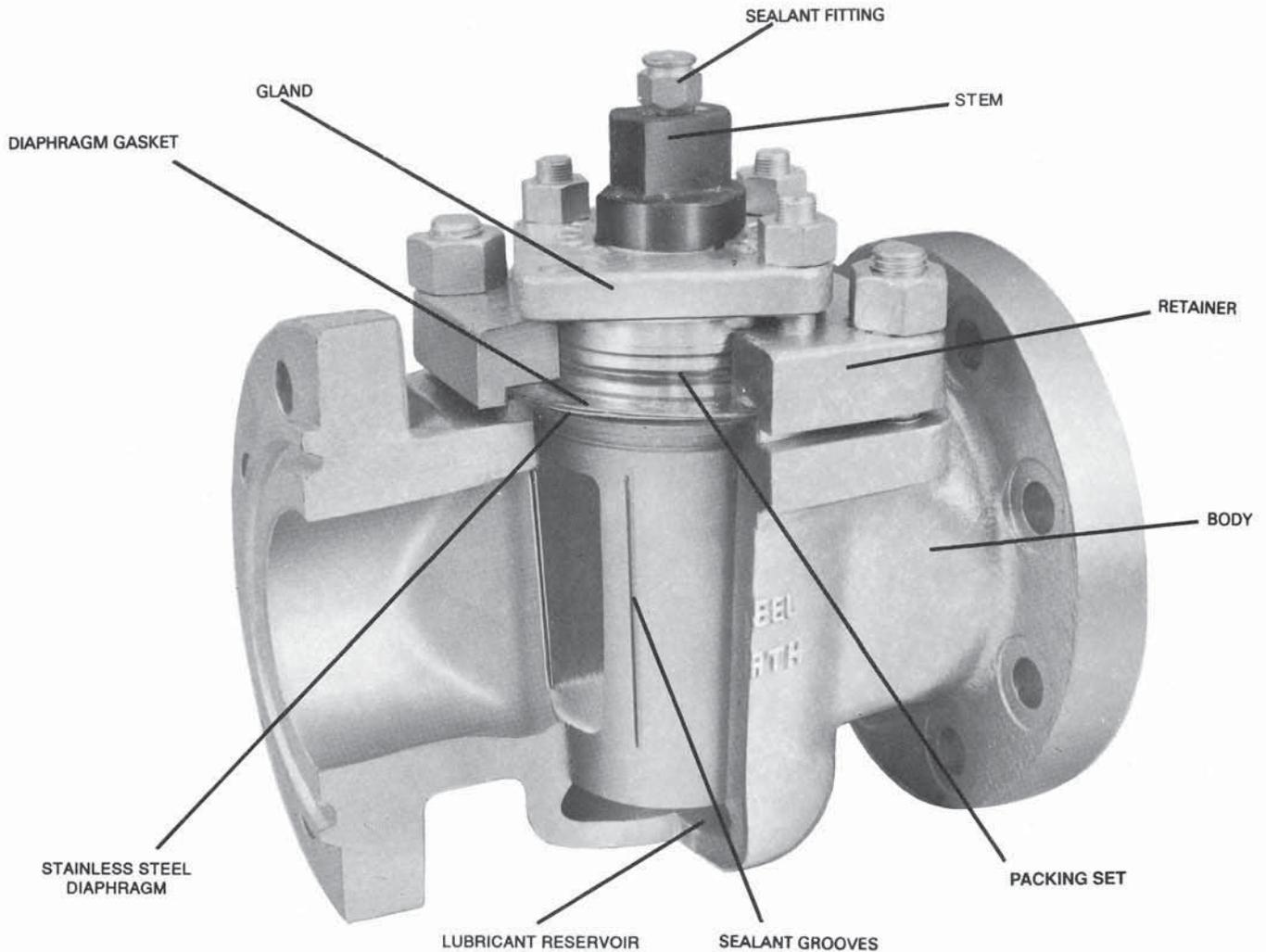
## DIMENSIONS and WEIGHTS

		ANSI 600 API 2000			ANSI 900 API 3000			ANSI 1500 API 5000		
		SIZE OF VALVE IN INCHES			SIZE OF VALVE IN INCHES			SIZE OF VALVE IN INCHES		
		2 <sup>1</sup> / <sub>16</sub>	3 <sup>1</sup> / <sub>8</sub>	4 <sup>1</sup> / <sub>16</sub>	2 <sup>1</sup> / <sub>16</sub>	3 <sup>1</sup> / <sub>8</sub>	4 <sup>1</sup> / <sub>16</sub>	2 <sup>1</sup> / <sub>16</sub>	3 <sup>1</sup> / <sub>8</sub>	4 <sup>1</sup> / <sub>16</sub>
FLANGED RING TYPE JOINT	A	11.62	4.12	17.12	14.62	15.12	18.12	14.62	18.62	21.62
CENTER TO TOP	B	5.98	6.84	7.37	6.0	7.93	8.65	5.98	7.93	8.56
CENTER TO BOTTOM	C	3.78	4.41	5.06	3.91	5.09	6.19	3.91	5.09	6.19
WIDTH OF FLAT STEM	D	1.00	1.00	1.00	1.00	1.25	1.25	1.00	1.25	1.25
DIAMETER OF STEM	E	1.37	1.37	1.37	1.37	2	2	1.37	2	2
HEIGHT OF PLUG STEM	E	0.74	0.77	0.77	0.74	1.31	1.31	0.74	1.31	1.31
EXTREME BODY WIDTH	G	4.37	5.00	5.75	4.75	7.75	9.50	4.75	8	10
WRENCH NUMBER		IB-2	IB-2	IB-2	1B-2	IB-3	IB-3	IB-2	IB-3	IB-4
FLANGED WEIGHT (APPROX.) Lb.		51	84	145	95	147	237	95	201	302



WALWORTH

# WALWORTH TOP ENTRY STEEL PLUG VALVES



Walworth Top Entry Cast Steel Plug valves provide safe, reliable long life service at an economical price. The taper of the plug and seat maintains an intimate working contact between the two parts at all times, and with the proper lubricant, the valve seals drop tight from zero to full rated differential pressure. These valves have a grooving system which permits sealant injection while the valve is under full line pressure. Walworth recommends that valves be lubricated with the plug in the fully opened or fully closed position for optimum valve performance.

Figure Numbers: 1748, 1749F, 1749WE, 1750, 1752F, 1760, 1760F, 1760WE.

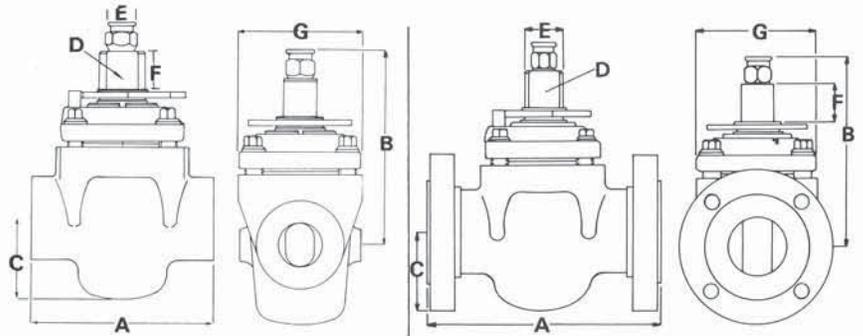
## Codes and Standards Compliance

		API (American Petroleum Institute)		MSS (Manufacturing Standardization Society)	
ANSI B16.34	Flanged valves	API 6D	Specifications for pipe line valves	MSS SP-25	Marking system of valves
ANSI B 2.1	Pipe threads			MSS SP-44	Steel pipe line flanges
ANSI B16.5	Steel flanges	API 598	Testing	MSS SP-61	Pressure testing of steel valves
ANSI B16.10	Face-to-face dimensions	API 599	Design and material requirement	MSS SP-78	Cast iron plug valves, flanged - threaded
ANSI B16.20	Ring joint flanges				
ANSI B16.25	Buttweld ends				

# WALWORTH TOP ENTRY STEEL PLUG VALVES

ANSI 150  
SHORT PATTERN  
WRENCH OPERATED  
CARBON STEEL BODY  
AND ALLOY STEEL PLUG

**1749F**  
Flanged Ends  
**1749WE**  
Weld Ends  
**1750**  
Threaded Ends



## DIMENSIONS and WEIGHTS

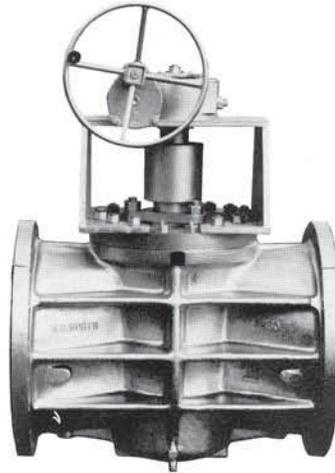
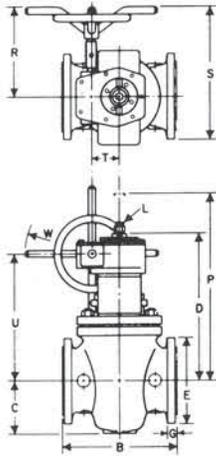
FIGURE NO.	SIZE OF VALVE IN INCHES								
	1	1 1/2	2	2 1/2	3	4	6	8	
<b>1749WE</b> END TO END	A		10.50		13	14			
<b>1749F</b> FLANGED RAISED FACE	A	5.50	6.50	7	7.50	8	9	10.50	11.50
<b>1750</b> THREADED	A	4.70	—	7.75	10	10	11.50	—	—
CENTER TO TOP	B	6.87	7.62	9	9.87	10.87	10.87	14.62	16.75
CENTER TO BOTTOM	C	2.12	2.50	3	3.75	4.37	4.87	5.62	7.12
EXTREME BODY WIDTH	G	3.12	3.75	4.25	4.25	5.25	7	8.50	10
WIDTH OF FLAT STEM	D	0.87	0.99	1.12	1.12	1.34	1.34	1.75	2
DIAMETER OF STEM	E	1.22	1.41	1.60	1.60	1.94	1.94	2.31	2.62
HEIGHT PLUG STEM	F	1.69	1.21	1.34	1.35	1.25	1.25	1.75	2
SEALANT STICK SIZE	B	B	C	C	C	C	C	D	D
WRENCH NUMBER	IH-2	IH-3	IH-4	IH-4	IA-1	IA-1	IA-2	IA-3	
<b>1749F</b> WEIGHT (APPROX.) Lb.		12	22	33	48	71	93	172	260
<b>1750</b> WEIGHT (APPROX.) Lb.		9	11	27	45	69	85	—	—
<b>1749WE</b> WEIGHT (APPROX.) Lb.				33		71	97		



WALWORTH

ANSI 150  
 VENTURI PATTERN  
 GEAR OPERATED  
 CARBON STEEL BODY  
 AND IRON PLUG

**WALWORTH**  
**TOP ENTRY**  
**STEEL PLUG VALVES**



**1752F**  
 Flanged Raised  
 Face

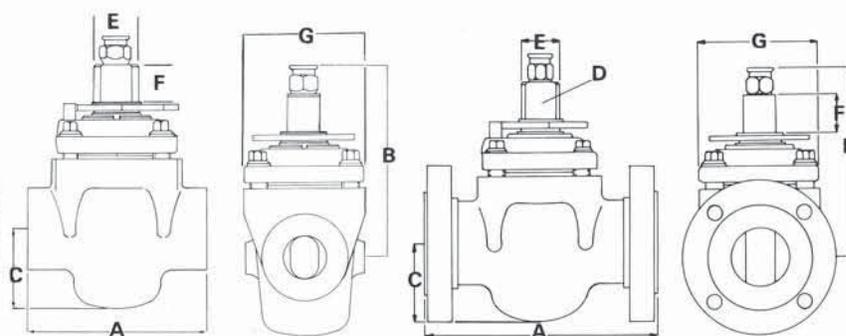
**DIMENSIONS and WEIGHTS**

FIGURE NO.			SIZE OF VALVE IN INCHES						
			14	16	18	20	24	30	36
<b>1752F</b>	FLANGED RAISED FACE (END TO END OR FACE TO FACE)	B	27	30	34	36	42	51	63
	FLANGED RING TYPE JOINT	A	—	—	—	36.50	42.50	—	—
	CENTER TO TOP	P	24.50	24.50	26.37	28.50	30.50	50.62	33
	CENTER TO BOTTOM	C	12.62	12.62	13.87	15.50	17.25	20.50	23.37
	EXTREME BODY WIDTH	S	21	23.50	25	27.50	32	31	38
	CENTER OF PORT TO CENTER OF HANDWHEEL	U	16.12	16.12	18	19.62	21.37	10.37	29
	CENTER TO GEAR	D	11.12	11.12	12.37	12.37	15.12	36	19.62
	LONGITUDINAL CENTERLINE TO FACE OF HANDWHEEL	R	14.62	14.62	17.75	17.75	21.75	—	23
	NUMBER OF TURNS TO OPEN		22.5	22.5	25.5	25.5		40	40
	SEALANT STICK SIZE	G	G	G	G	G	G	G	G
<b>1752F</b>	WEIGHT (APPROX.) Lb.		1265	1415	1875	2270	3720	7150	5500

# WALWORTH TOP ENTRY STEEL PLUG VALVES

ANSI 300  
SHORT PATTERN  
WRENCH OPERATED  
CARBON STEEL BODY  
AND ALLOY STEEL PLUG

**1760**  
Threaded Ends  
**1760 WE**  
Weld Ends  
**1760F**  
Flanged Raised Face



## DIMENSIONS and WEIGHTS

FIGURE NO.		SIZE OF VALVE IN INCHES								
		1/2	3/4	1	1 1/2	2	2 1/2	3	4	
1760	THREADED	A	4	4	4.50	6.69	7.75	10	10	—
1760F	FLANGED RAISED FACE	A	—	—	6.25	7.50	8.50	9.50	11.12	12
1760F	FLANGED RING TYPE JOINT	A	—	—	6.75	8	9.12	10.12	11.75	12.62
1760 WE	END TO END					10.50		13	14	
	CENTER TO TOP	B	6.25	6.25	6.87	7.62	9	9.62	10.87	11.12
	CENTER TO BOTTOM	C	1.75	1.75	2	2.50	3	3.75	4.37	4.87
	WIDTH OF FLAT STEM	D	0.81	0.81	0.87	0.99	1.12	1.12	1.34	1.34
	DIAMETER OF STEM	E	1.10	1.10	1.22	1.41	1.60	1.60	1.94	1.94
	HEIGHT OF PLUG STEM	F	0.95	0.95	1.69	1.21	1.34	1.35	1.25	1.25
	EXTREME BODY WIDTH	G	3.12	3.12	3.12	3.75	4.25	4.25	5.25	7
	SEALANT STICK SIZE		B	B	B	B	C	C	C	C
	WRENCH NUMBER		IH-1	IH-1	IH-2	IH-3	IH-4	IH-4	IA-1	IA-1
1760	WEIGHT (APPROX.) Lb.		7	7	9	18	27	38	69	85
1760F	WEIGHT (APPROX.) Lb.		—	—	21	30	42	57	89	121
1760 WE	WEIGHT (APPROX.) Lb.					35		88	105	



WALWORTH