

RESILIENT  
WEDGE VALVES  
CLOW VALVE COMPANY

**CLOW AWWA Resilient Wedge Gate  
Valves Meet or Exceed the Requirements  
of AWWA Standard C509**

Size Range	Water Working Pressure psi	Bubble Tight Test psi	Hydrostatic Shell Test psi
AWWA 2"-12"	250	250	500
ULFM 2 1/2"-12"	200	200	400

Available in either non-rising stem, outside screw & yoke.

Available End Connections & Size Range

Figure No.

FLG End (NRS)	2"-12"	F-6102
M.J.	2"-12"(except 2 1/2")	F-6100
FLG & M.J.	3"-12"	F-6106
Push-on for PVC (SDR)	2"-12"	F-6110
FLG End (OS & Y)	2"-12"	F-6136
M.J. for Tapping	3"-12"	F-6114
Tyton for D.I. & C900 PVC	4"-12"	F-6112
M.J. Cutting-in	4"-12"	F-6111
Tyton for D.I. X FLG	4"-12"	F-6113
Threaded	2"-3"	F-6103

Accessories (Illustrated in the in Plant Valve Section)

Indicator Posts	2" Sq. Operating Nuts
"T" Handles	Handwheels
Stem Guides	Extension Stems
Electric Motor Actuators	Floor Boxes
	Chain Wheels
Floorstands (non-rising stem)	

MODEL	2639	AWWA	C509	FULL BODY DUCTILE IRON
MODEL	2640	AWWA	C509	FULL BODY GRAY IRON

**RESILIENT  
WEDGE VALVES  
CLOW VALVE COMPANY**

**CLOW AWWA Resilient Wedge Gate Valves  
Meet or Exceed the Requirements of AWWA  
Standard C515**

Size Range	Water Working Pressure psi	Bubble Tight Test psi	Hydrostatic Shell Test psi
AWWA 4"-48"	250	250	500
ULFM 4"-16"	200	200	400

Available in either non-rising stem, outside screw & yoke.

Available End Connections & Size Range

Figure No.

FLG End (NRS)	4"-48"	F-6102
M.J.	4"-48"(except 21/2")	F-6100
FLG & M.J.	4"-48"	F-6106
Push-on for PVC (SOR)	4"-12"	F-6110
FLG End (OS & Y)	4"-24"	F-6136
M.J. for Tapping	4"-24"	F-6114
Tyton for 0.1. & C900 PVC	4"-12" & 16"	F-6112
M.J. Cutting-in	4"-12"	F-6111
Tyton for 0.1. X FLG	4"-12"	F-6113

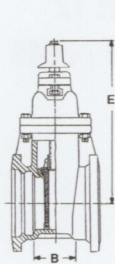
Accessories (Illustrated in the In Plant Valve Section)

Indicator Posts	2" Sq. Operating Nuts
Enclosed Gearing (14"-24")	Handwheels
"T" Handles	Extension Stems
Stem Guides	Floor Boxes
Electric Motor Actuators	Chain Wheels
Floorstands (non-rising stem)	

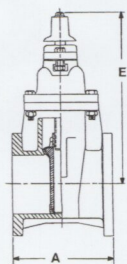
**NOTE:**

It is recommended that valves be installed with stems vertical when used in raw sewage or sludge applications or in water with excessive sediment.

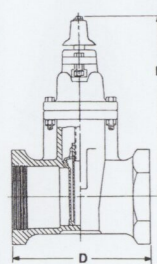
MODEL 2638 AWWA C515 REDUCED WALL DUCTILE IRON



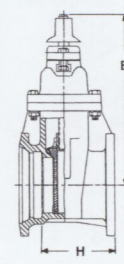
**F-6100  
MECHANICAL JOINT  
2" – 12"**



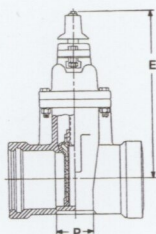
**F-6102  
FLANGED  
2" – 12"**



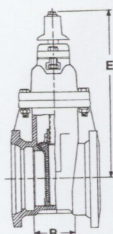
**F-6103  
THREADED ENDS  
2" – 3"**



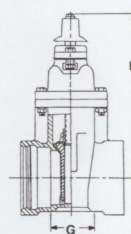
**F-6106  
FLANGED X MJ  
3" – 12"**



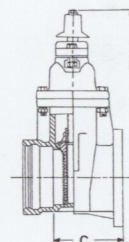
**F-6110  
PUSH ON FOR  
SDR PVC  
2" – 12"**



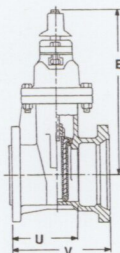
**F-6111  
MECHANICAL  
CUTTING IN JOINT  
4" – 12"**



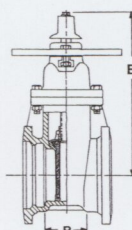
**F-6112  
TYTON ENDS FOR DUCTILE  
IRON AND C900 PVC PIPE  
4" – 12"**



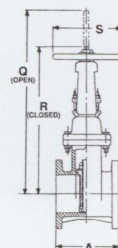
**F-6113  
FLANGED X TYTON  
4" – 12"**



**F-6114  
MECHANICAL JOINT  
FOR TAPPING  
3" – 12"**



**F-6120  
MECHANICAL JOINT  
POST INDICATOR VALVE  
2" – 12"**

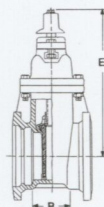


**F-6136  
FLANGED OS & Y  
CONSTRUCTION  
2" – 12"**

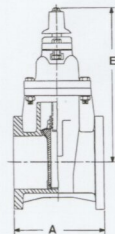
**NOTE:**

It is recommended that valves be installed with stems vertical when used in raw sewage or sludge applications or in water with excessive sediment. Flanged end connections not recommended for buried service.

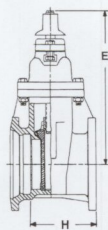
VALVE SIZE	A	B	C	D	E	G	H	P	Q	R	S	U	V	NO. OF TURNS TO FULL OPEN
2"	7	3-1/4	—	5-3/8	10-7/8	—	—	3	10	12	7-1/4	—	—	6-1/2
2-1/2"	7-1/2	—	—	7-1/8	11-3/8	—	—	3-1/4	16-3/8	13-7/8	7-1/4	—	—	8
3"	8	3-1/2	—	7-1/8	12-3/8	—	5-3/4	3-1/2	18-7/8	15-5/8	10	5-3/4	8-1/4	10
4"	9	4-1/2	6-3/4	—	14-3/4	4-5/8	6-3/4	4-1/2	22-3/4	18-1/4	10	6-3/4	9-1/4	13-1/2
6"	10-1/2	5-1/2	7-7/8	—	19	5-1/4	8	5	30-1/8	23-3/4	12	8	10-1/2	19-1/2
8"	11-1/2	8-1/8	8-1/2	—	22-1/2	5-5/8	9-3/4	5-1/2	37-3/4	29-1/4	14	10-3/4	13-1/4	25-1/2
10"	13	10-1/2	10	—	26-1/2	7	11-3/4	7	45-3/4	35-3/8	18	12-1/2	14-7/8	31-1/2
12"	14	10-3/4	11-1/4	—	30	8-1/2	12	8-1/2	53-1/8	40-5/8	18	12-1/2	15	37-3/4



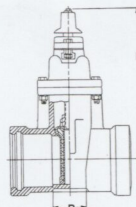
**F-6100  
MECHANICAL JOINT  
4" – 20"**



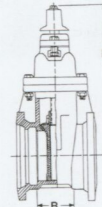
**F-6102  
FLANGED  
4" – 20"**



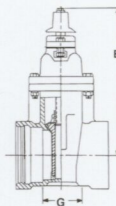
**F-6106  
FLANGED X  
MECHANICAL JOINT  
4" – 20"**



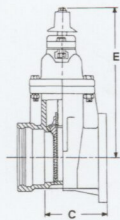
**F-6110  
PUSH ON FOR  
SDR PVC  
4" – 12"**



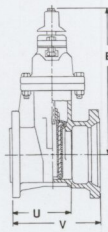
**F-6111  
MECHANICAL  
CUTTING IN JOINT  
4" – 12"**



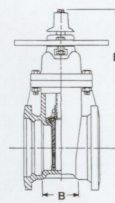
**F-6112  
TYTON ENDS FOR D.I.  
AND C900 PVC PIPE  
4" – 16"**



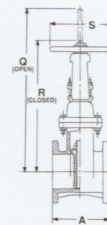
**F-6113  
FLANGED X TYTON  
4" – 12"**



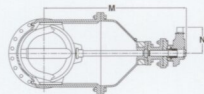
**F-6114  
MECHANICAL JOINT  
FOR TAPPING  
4" – 20"**



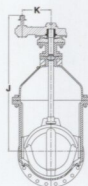
**F-6120  
MECHANICAL JOINT  
POST INDICATOR VALVE  
4" – 16"**



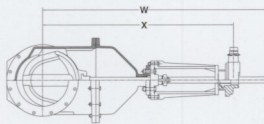
**F-6136  
FLANGED OS&Y  
4" – 16"**



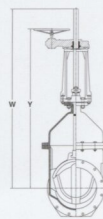
**BEVEL GEARING  
HORIZONTAL  
INSTALLATION  
ALL END STYLES  
14" – 20"**



**SPUR GEARING  
VERTICAL  
INSTALLATION  
ALL END STYLES  
14" – 20"**



**OS&Y BEVEL GEARING  
HORIZONTAL INSTALLATION  
ALL END STYLES  
14" – 20"**



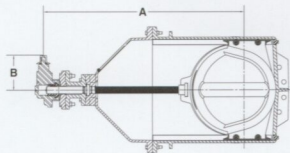
**OS&Y SPUR  
GEARING VERTICAL  
INSTALLATION  
ALL END STYLES  
14" – 20"**

#### NOTE:

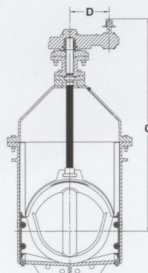
It is recommended that valves be installed with stems vertical when used in raw sewage or sludge applications or in water with excessive sediment. Flanged end connections not recommended for buried service.

VALVE SIZE	A	B	C	E	G	H	J	K	M	N	P	Q	R	S	U	V	NO. OF TURNS TO FULL OPEN				
																	NO GEAR	GEARED	W	X	Y
14"	15	10	—	37-3/4	10-1/2	13-1/2	52-1/8	8	48-5/8	9-1/8	—	74-3/4	59-3/4	22	13-1/4	16-3/4	52	100	76	59-7/8	64-1/2
16"	16	10	—	37-3/4	10-1/2	13	51-1/8	8	47-5/8	9-1/8	—	74-3/4	59-3/4	22	12-3/4	16-1/4	52	100	76	59-7/8	64-1/2
18"	17	11-3/4	—	—	—	14-7/8	58	12	55-3/4	10-1/8	—	—	—	—	14-5/8	18-1/8	—	189	90-7/8	70-1/8	74-5/8
20"	18	11	—	—	—	14-1/2	57	12	54-3/4	10-1/8	—	—	—	—	14-1/2	18	—	189	90-7/8	70-1/8	74-5/8

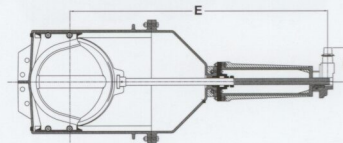




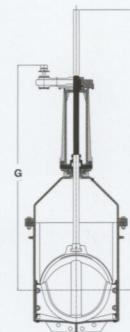
**ALL END STYLE BEVEL  
GEARING HORIZONTAL  
INSTALLATION  
24" – 54"**



**ALL END STYLE  
SPUR GEARING  
VERTICAL  
INSTALLATION  
24" – 54"**



**ALL END STYLE OS&Y BEVEL  
GEARING HORIZONTAL  
INSTALLATION  
24" ONLY**



**ALL END STYLE  
OS&Y BEVEL  
GEARING VERTICAL  
INSTALLATION  
24" ONLY**

**NOTE:** It is recommended that valves be installed with stems vertical when used in raw sewage or sludge applications or in water with excessive sediment. Flanged end connections not recommended for buried service.

**NOTE:** 2" bypass valves are available on 30"–36" gate valves; 4" bypass valves are available on 42"–54" gate valves.

## AVAILABLE SIZES

VALVE SIZE	A	B	C	D	E	F	G	NO. OF TURNS TO FULL OPEN	GEAR RATIO
24"	60-1/4	10-3/8	62-5/8	12	79-1/8	140-5/8	83-3/4	228	3 to 1
30"	71-3/8	14-7/8	80	14	-	-	-	588	6 to 1
36"	81-1/16	14-7/8	89-11/16	14	-	-	-	684	6 to 1
42"	98-3/8	17	108-1/2	16	-	-	-	800	8 to 1
48"	101-3/8	17	111-1/2	16	-	-	-	800	8 to 1
54"	101-3/8	17	111-1/2	16	-	-	-	800	8 to 1