

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

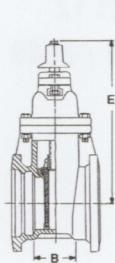
Accessories (Illustrated in the In Plant Valve Section)

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)	

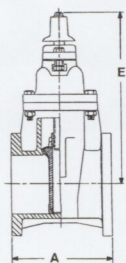
NOTE:

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

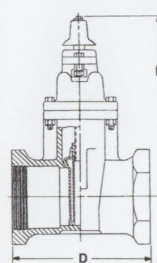
MODEL 2638 AWWA C515 REDUCED WALL DUCTILE IRON



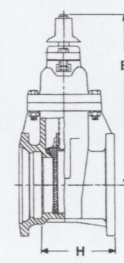
**F-6100
MECHANICAL JOINT
2" - 12"**



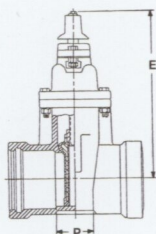
**F-6102
FLANGED
2" - 12"**



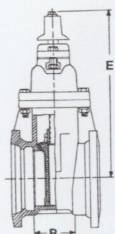
**F-6103
THREADED ENDS
2" - 3"**



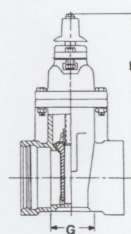
**F-6106
FLANGED X MJ
3" - 12"**



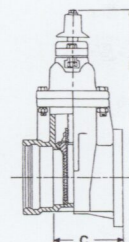
**F-6110
PUSH ON FOR
SDR PVC
2" - 12"**



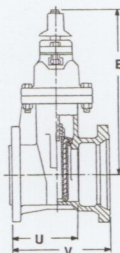
**F-6111
MECHANICAL
CUTTING IN JOINT
4" - 12"**



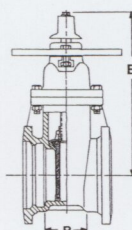
**F-6112
TYTON ENDS FOR DUCTILE
IRON AND C900 PVC PIPE
4" - 12"**



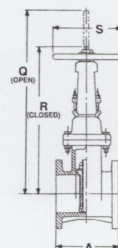
**F-6113
FLANGED X TYTON
4" - 12"**



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



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

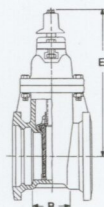


**F-6136
FLANGED OS & Y
CONSTRUCTION
2" - 12"**

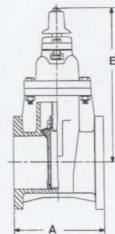
NOTE:

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.

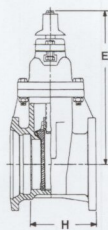
VALVE SIZE	A	B	C	D	E	G	H	P	Q	R	S	U	V	NO. OF TURNS TO FULL OPEN
2"	7	3-1/4	—	5-3/8	10-7/8	—	—	3	10	12	7-1/4	—	—	6-1/2
2-1/2"	7-1/2	—	—	7-1/8	11-3/8	—	—	3-1/4	16-3/8	13-7/8	7-1/4	—	—	8
3"	8	3-1/2	—	7-1/8	12-3/8	—	5-3/4	3-1/2	18-7/8	15-5/8	10	5-3/4	8-1/4	10
4"	9	4-1/2	6-3/4	—	14-3/4	4-5/8	6-3/4	4-1/2	22-3/4	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



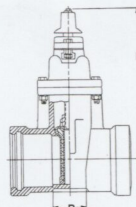
**F-6100
MECHANICAL JOINT
4" – 20"**



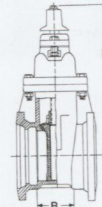
**F-6102
FLANGED
4" – 20"**



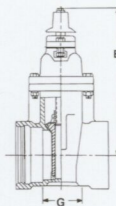
**F-6106
FLANGED X
MECHANICAL JOINT
4" – 20"**



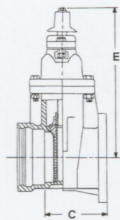
**F-6110
PUSH ON FOR
SDR PVC
4" – 12"**



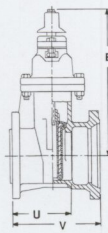
**F-6111
MECHANICAL
CUTTING IN JOINT
4" – 12"**



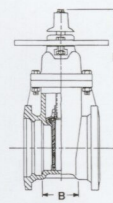
**F-6112
TYTON ENDS FOR D.I.
AND C900 PVC PIPE
4" – 16"**



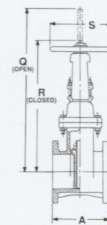
**F-6113
FLANGED X TYTON
4" – 12"**



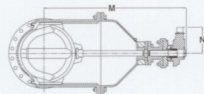
**F-6114
MECHANICAL JOINT
FOR TAPPING
4" – 20"**



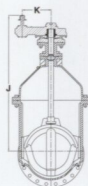
**F-6120
MECHANICAL JOINT
POST INDICATOR VALVE
4" – 16"**



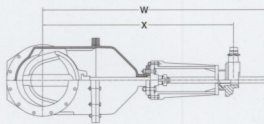
**F-6136
FLANGED OS&Y
4" – 16"**



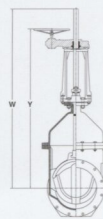
**BEVEL GEARING
HORIZONTAL
INSTALLATION
ALL END STYLES
14" – 20"**



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



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

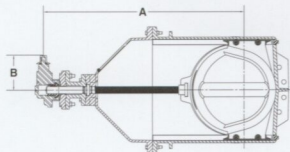


**OS&Y SPUR
GEARING VERTICAL
INSTALLATION
ALL END STYLES
14" – 20"**

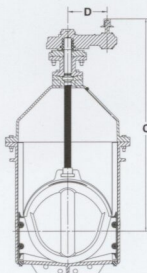
NOTE:

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.

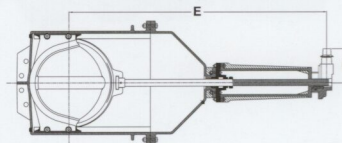
VALVE SIZE	A	B	C	E	G	H	J	K	M	N	P	Q	R	S	U	V	NO. OF TURNS TO FULL OPEN				
																	NO GEAR	GEARED	W	X	Y
14"	15	10	—	37-3/4	10-1/2	13-1/2	52-1/8	8	48-5/8	9-1/8	—	74-3/4	59-3/4	22	13-1/4	16-3/4	52	100	76	59-7/8	64-1/2
16"	16	10	—	37-3/4	10-1/2	13	51-1/8	8	47-5/8	9-1/8	—	74-3/4	59-3/4	22	12-3/4	16-1/4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



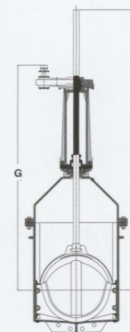
**ALL END STYLE BEVEL
GEARING HORIZONTAL
INSTALLATION
24" – 54"**



**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