

Figure A517-US AIS Compliant 100% Full Port Flow Eccentric Plug Valves for Buried Service

Description

The GA Industries Figure A517-US ECO-centric® Plug Valve is a rugged, field-proven valve that will provide many decades of trouble-free service. Its flow efficient round port provides lower head loss, higher capacity and better solids handling ability than a standard rectangular port plug valve. In addition, the epoxy coated ductile iron body and cover provide superior strength and long-term corrosion resistance while the spherically seating rubber coated plug provides drop tight shutoff in both directions.

Figure A517-US buried service eccentric plug valves are available with quarter turn wrench operation or a buried service worm gear with 2" nut.



Standard Features

- Internal and external epoxy coated, high strength ductile iron body and cover
- Flow efficient round port, averages 50% less head loss than standard rectangular port plug valves
- Bi-directional zero leakage seating up to full rated pressure
- Self-adjusting U-cup shaft packing
- Upper and lower grit excluders for extended bearing life
- Type 316 stainless steel external fasteners

Standard Materials

- Body and Cover Ductile Iron, ASTM A536 Grade 65-45-12
- Body Seat Weld Overlaid 95% Pure Nickel
- Plug Coating Buna-N Rubber
- Shaft Bearings Stainless Steel, Type 316, Self Lubricating
- External Fasteners Type 316 Stainless Steel

Corrosion Protection

- Standard: Internal and External Carboline 891 NSF-61 Certified Epoxy, min 6 mil DFT

Approvals & Certifications

- Fully complies with American Iron and Steel
- Fully complies with AWWA Standard C517

Options

- ANSI Class 125 flanged connections

Ordering Data

- Figure Number A517-US
- Size
- Connection (Mechanical Joint)

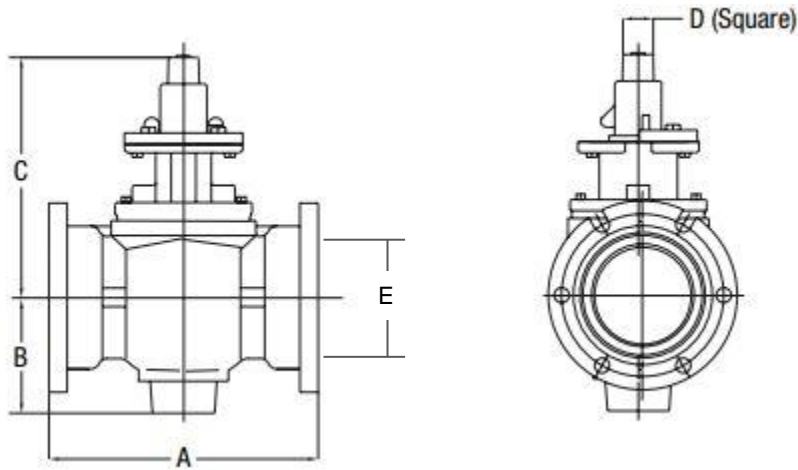
Non-Shock Working Water Pressure at up to 180F (82C)			
Figure Number	A517-US		
Connections	ANSI A21.11/AWWA C111 Mechanical Joint		
Operation	Lever/Wrench Operated	Buried Service Worm Gear with 2" Nut	
Size	3" to 8"	3" to 12"	14" to 20"
Max Working Pressure	175 PSI		150 PSI
Hydro Test	265 PSI		225 PSI

Flow Coefficients

SIZE	3"	4"	6"	8"	10"	12"
C _v	569	982	1997	3371	4870	7643
K	0.24	0.24	0.30	0.32	0.38	0.31

SIZE	14"	16"	18"	20"
C _v	8220	11300	12400	17500
K	0.39	0.35	0.47	0.36

Data Sheet A517.02F

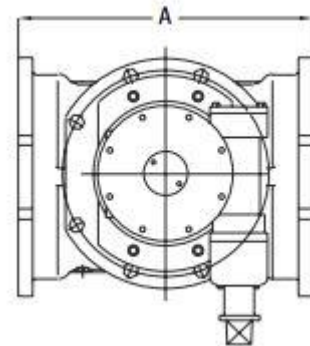


MJ Direct Nut Installation Dimensions

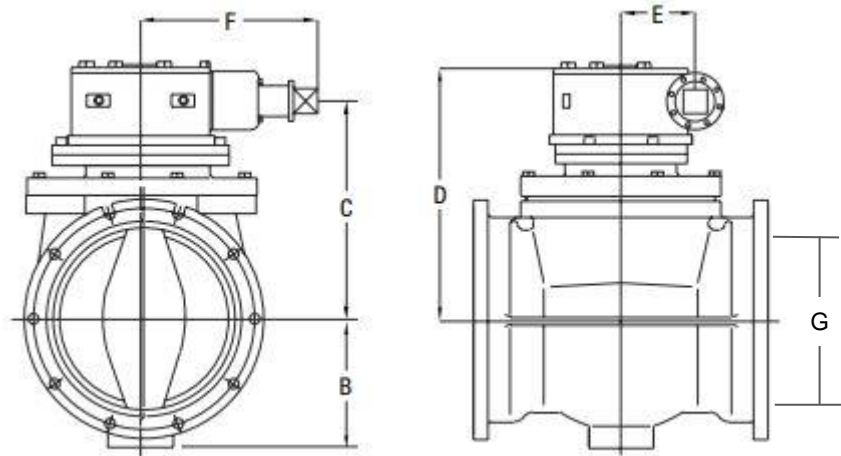
SIZE	3"	4"	6"	8"
A	11½	14¼	15¾	17¾
B	4¾	6	7	9½
C	11¼	12¾	14¼	17¼
D	2	2	2	2
E	3	4	6	8
WGT	70	135	140	250

MJ Worm Gear Installation Dimensions

SIZE	3"	4"	6"	8"	10"	12"	14"	16"	18"	20"
A	11½	14¼	15¾	17¾	19¾	19¼	20¼	25	38	44
B	4¾	6	7	9½	11	11	11	13	16½	16½
C	8¼	9	10¾	13¾	15	16½	17¾	19¼	19¾	21
D	10¼	11¼	12¾	17½	18¾	20¼	21½	23½	23½	25½
E	2½	3	3	4¼	4¼	4¼	6	6	6	6
F	8½	8¾	8¾	10¾	10¾	10¾	16¼	16¼	16¼	16¼
G	3	4	6	8	10	12	14	16	18	20
WGT	88	123	165	305	425	505	830	1180	1460	2100



Worm gear actuator can be rotated in 90-degree increments about valve centerline.



All dimensions in inches and weight in pounds and are approximate. Request certified drawings if critical.