



SERIES PVII AWWA C517 FULL PORT ECCENTRIC PLUG VALVES

3"-8"

Design Standards

Size Range	3"-8" Flanged End 3"-8" MJ End (3"-72" Available in PVIF Full Rect. Port)
Construction	AWWA C517
Coatings	AWWA C550 ANSI/NSF 61 Compliant
Connections	ANSI B16.1 Class 125/ANSI B16.5 Class 150 ANSI B16.1 Class 250/ANSI B16.5 Class 300 ANSI/AWWA C111/A21.11 (MJ)
Lay Length	AWWA C517 (ex. MJ)
Bonnet	ISO 5211
Pressure	250 PSI

*Standard Option



American Water Works
Association



CONFIGURABLE OPERATOR

An intelligently designed topworks allows for multiple configurations of either direct nut operator, gearbox, handwheel, chainwheel, or motor operator with no custom brackets/mounting

FULL PULL DOWN PACKING

A full pull down type packing of multiple v-rings is utilized for the ultimate sealing. Packing is replaceable with the valve in line and under pressure

NO FLAT GASKETS

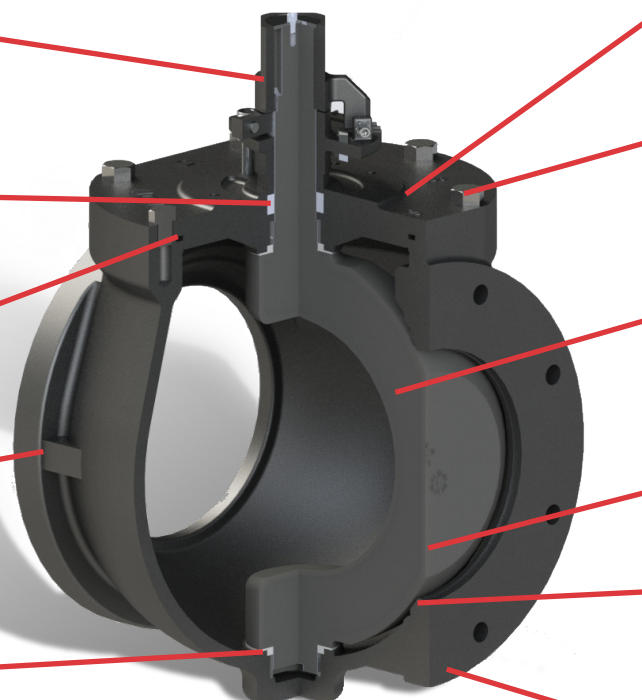
O-ring type seals at body to bonnet flanges ensure a good seal and allow easy service in the field.

HIGH PRESSURE BODY

Designed for today's modern high pressure and volume pumping applications, the Series PVII features thick wall, support webbing, and high quality Ductile Iron castings.

DOUBLE SEALED STEM

Binding/stuck valves are a thing of the past with the Series PVII double sealed stem. Line debris is kept from the valve bearings by a PTFE grit seal and a rubber sealing ring.



LARGE TOP SERVICE PORT

The large top service port allows for complete rebuilding of the valve in the field without removing the valve from the line.

STAINLESS HARDWARE

Valves come standard with Stainless Steel 304 hardware for long service life in buried/submerged and harsh service conditions. Additional options available for corrosive and extreme exposures.

ONE PIECE PLUG

The plug is constructed of a one piece durable casting. This design reduces galvanic corrosion points and ensures absolute zero backlash control.

FULLY ENCAPSULATED PLUG

Standard Ductile Iron plug fully encapsulated over 100% of surface ensuring a bubble-tight seal in the harshest of service and eliminating plug corrosion

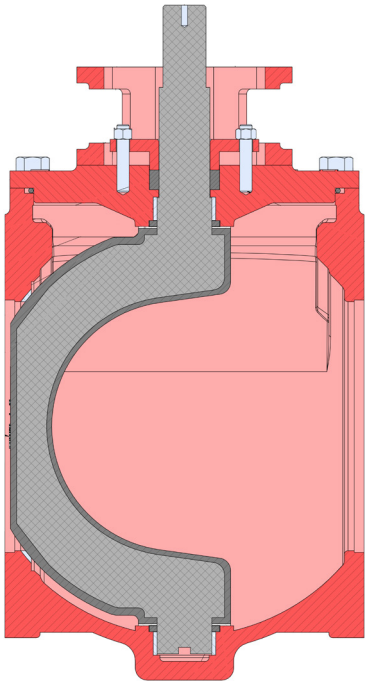
WELDED-NICKEL SEAT

The corrosion and wear resistant 95% nickel raised seat is robotic welded and ground for the ultimate in precision leading to consistent operating torques

EPOXY COATING

Valve is fully coated with a fusion-bonded epoxy conforming to AWWA C550 in true black color Suitable for buried service or field applied topcoats.

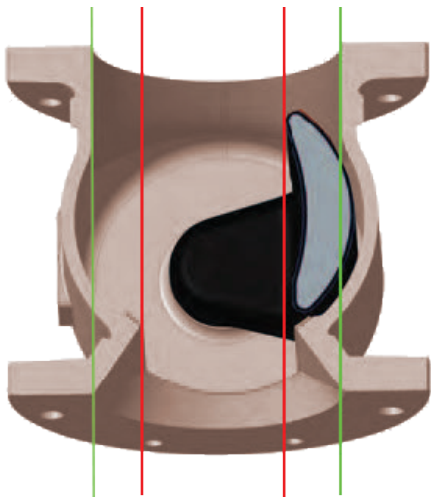
Winning Combination of Standard Requirements and Specifiable Features



- 100% Full nominal round port
- Fully flow tested by independent 3rd party testing laboratory
- 7% better flow characteristics than competition
- ANSI/NSF 61 Certified Heat Bonded Epoxy Coating
- Full pull down V-packing on all valves
- Double sealed bearings for long life
- Seat diameter equal/greater than pipe nominal size
- Plug fully clears creating clear opening from intake to discharge
- Full 250 PSI rating for all valves
- Robotic welded Nickel seat for long service life

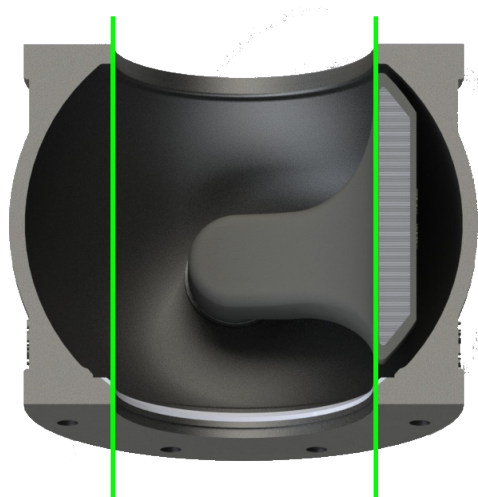
Competitors

- Discharge is typically nominal sized
- Seat is reduced, or rectangular creating flow restrictions
- Plug does not fully clear seat opening or discharge opening



Series PVII

- Discharge and seat is 100% nominal sized
- Seat diameter equal/greater than pipe nominal size
- Plug fully clears creating clear opening from intake to discharge



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