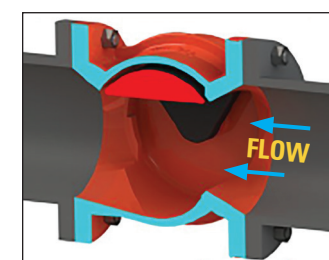


INSTALLATION GUIDELINES

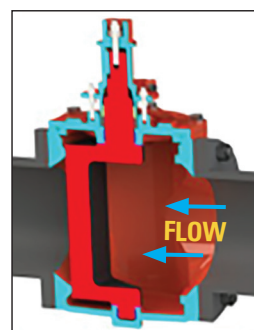
(80% PORT PLUG VALVES)



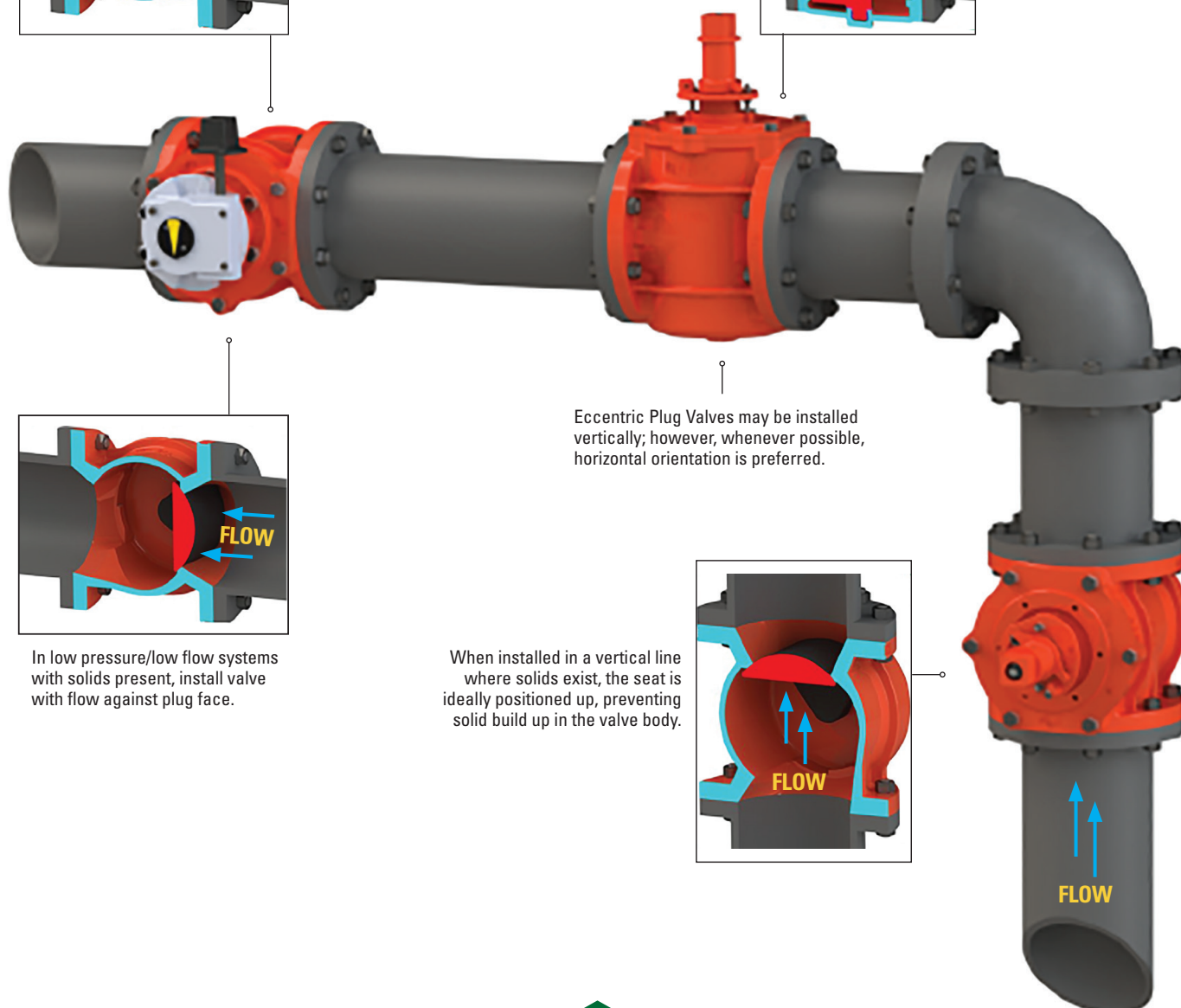
KENNEDY VALVE
PLANT AND INDUSTRIAL GROUP



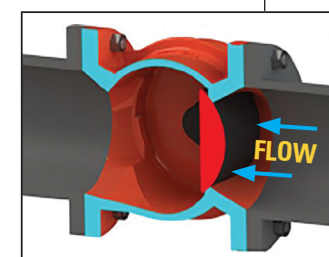
When Eccentric Plug Valve is installed in a horizontal line, the preferred installation is with the plug rotating 90° upward to open. Utilizing this orientation can lessen the effect of solids preventing plug operation.



When installed in high pressure systems, it is recommended to have the plug seat on the outlet side of the valve.

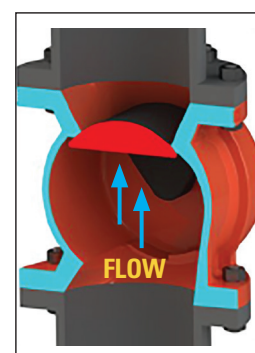


Eccentric Plug Valves may be installed vertically; however, whenever possible, horizontal orientation is preferred.



In low pressure/low flow systems with solids present, install valve with flow against plug face.

When installed in a vertical line where solids exist, the seat is ideally positioned up, preventing solid build up in the valve body.



KENNEDY VALVE

1021 E. Water St. • Elmira, New York 14901 • Ph 607-734-2211
kennedyvalve.com

PUB-EPV80N-092117

80% PORT ECCENTRIC PLUG VALVES

AWWA C517

- 3"–12" — *175 PSI
- 14"–24" — *150 PSI
- FLANGED AND MECHANICAL JOINT END CONNECTIONS AVAILABLE



Kennedy Valve Plant & Industrial, A Division of McWane, Inc.

For Generations

THE KENNEDY VALVE 80% ECCENTRIC PLUG VALVE

WITH A PROVEN DESIGN, THE KENNEDY VALVE 80% PLUG VALVE HAS ESTABLISHED ITSELF IN THE MARKET PLACE AS A RELIABLE AND ENGINEERED PRODUCT. OVER MANY YEARS, THE DESIGN HAS PROVEN DEPENDABLE IN A VARIETY OF SERVICE APPLICATIONS.

APPLICATIONS

- Wastewater Service
 - Lift Stations
 - Heavy Solids
 - Slurries/Grit
- Water Services
 - Pump Service
- Throttling/Modulating/Control/Balancing
- Vertical Piping Applications
- Where Positive Shutoff Required



Manual valves available with 2" square operating nut.



Valves commonly supplied with gearing.

RECTANGULAR PORT DESIGN

The cylindrical plug and rectangular port provide a rotational alignment by the eccentric motion making a uniform and full contact with the welded in nickel seat. Unlike circular port designs that have a point-to-point seating where engagement and wear can be an issue, the rectangular port makes a uniform and full contact without the need for exact alignment of the plug in the body.

ACTUATION

Kennedy Valve has furnished valves with many assorted type of actuators to operate our valves. Our engineers have extensive experience with electric, pneumatic, and hydraulic actuators on our plug valves and regularly work with most major actuator suppliers.

80% PORT ECCENTRIC PLUG VALVE (FLOW DATA)

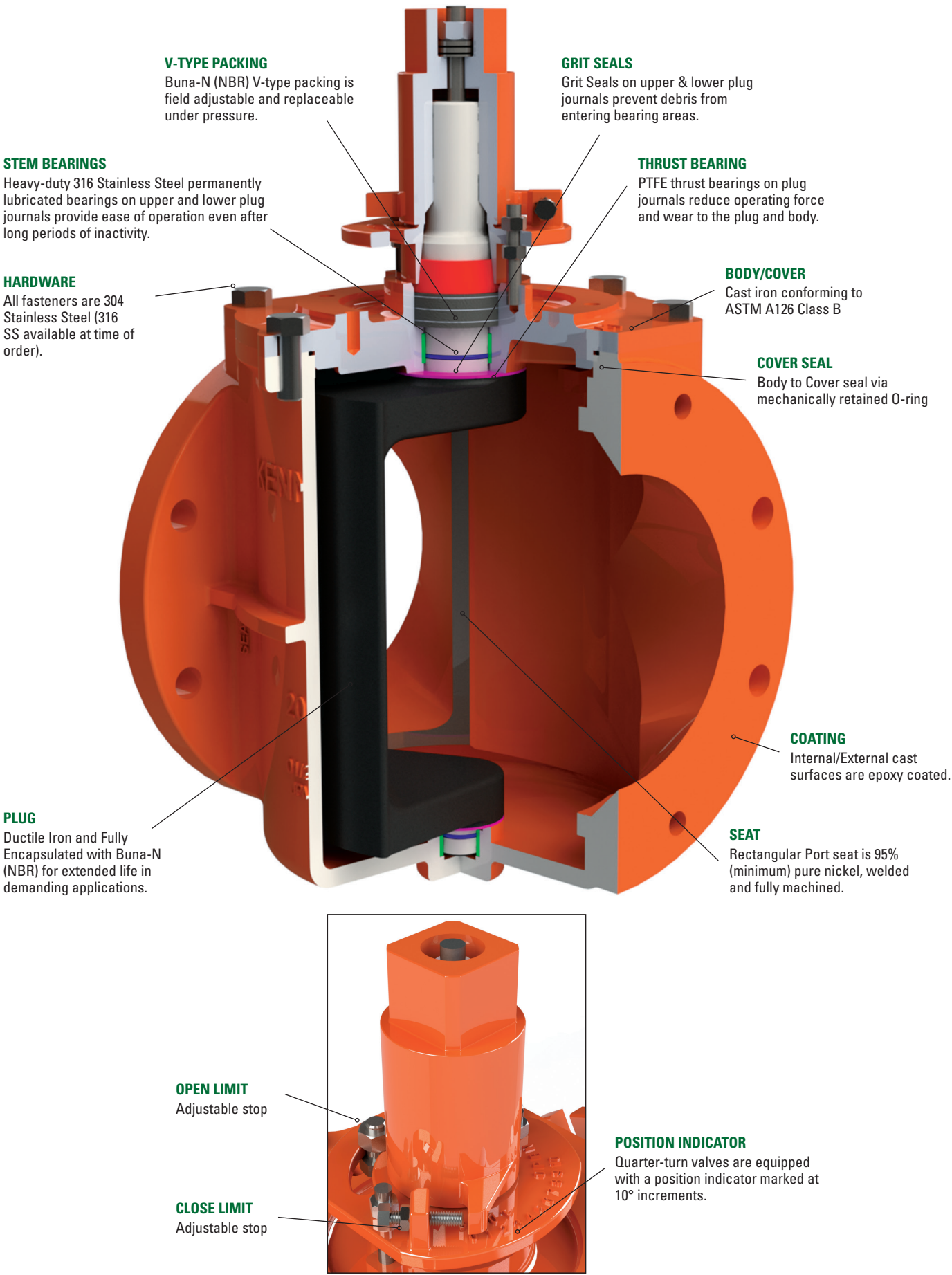
Valve Size	C _v (Full Open)
3	335
4	565
6	1210
8	2050
10	3100
12	4170
14	5460
16	7420
18	9675
20	12920
24	17670

$$C_v = \frac{Q}{\sqrt{\Delta P}}$$

ΔP = Differential pressure (psi) between two points
 C_v = Flow coefficient
 Q = Rate of flow in GPM

ACCESSORIES AND OPTIONS

A full line of accessories and options are available that include extension stems, extended bonnets, floor stands, valve boxes, operating nuts, hand wheels, levers, positioners, fully bi-directional rating, switches, and solenoid valves as well as speed control valves.



*Internal components different colors for illustration purposes only.