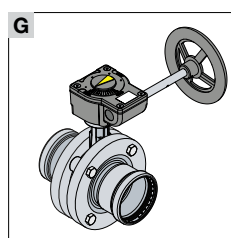
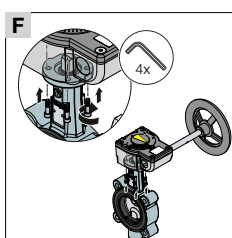
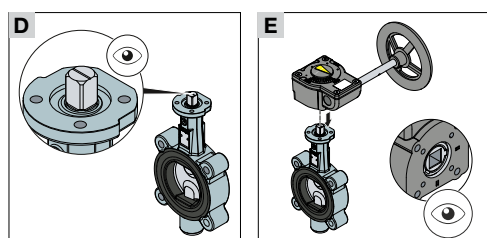
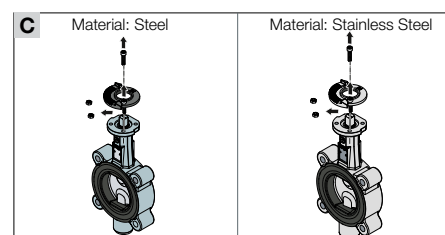
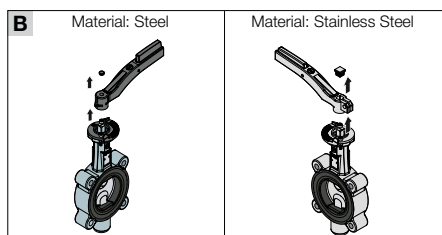
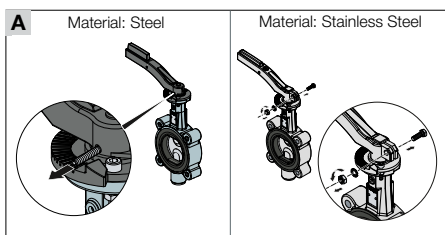
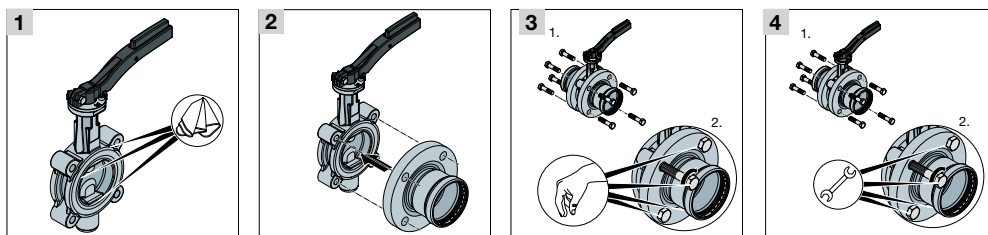


Product Instructions

Viega Butterfly Valve Models 2979.8ZL, 5179.8, and 2979.88



Part no.	Size (in)	Bolt dimensions (in)	Recommended max. bolt torque (ft/lbs)
22074	2½	5/8 x 1½ - 11* (4 per flange)	75
22075	3	5/8 x 1½ - 11* (4 per flange)	
22076	4	5/8 x 1¾ - 11* (8 per flange)	

*Recommend bolt dimensions if using Viega flange adapter. Bolt dimensions for flanges according to ASME 16.5 may vary.



Only valves marked with NSF-61 and NSF-372 are allowed for use in potable water systems.



Only the butterfly valve is included in the package; all other parts needed for assembly are not included.



DANGER!
Read and understand all instructions for installing Viega ProPress fittings. Failure to follow all instructions may result in extensive property damage, serious injury, or death.



The Viega Butterfly Valve is designed to be installed as an in-line or end-line valve.

Installing the Valve

To install the valve with Viega products, you will need the following products/tools:

- 1 - Viega butterfly valve (included)
- 2 - Viega flange adapters (ProPress or MegaPress)
- 3 - Seals for flange connections
- 4 - Nuts for threaded rod
- 5 - Threaded rod
- 6 - Washer for threaded rod

- 1 Ensure that the flange face and the butterfly valve sealing surface are clean and free of debris and that the valve is in the near closed position.
- 2 Place the butterfly valve between the flanges. Use the flange bolts to align and center the valve between the flanges.
- 3 Install flat washers on each bolt and tighten nuts to "finger tight."
- 4 Tighten the screws crosswise. If leaks are detected during the pressure test, re-tighten the screws to the maximum torque specified in the following table.

Installing the Gear Box

- A Remove the curb screw from the center of the handle shaft.
- B Remove the handle lever and the cap with a screwdriver.
- C Remove ring from top of valve by unscrewing bolts and washers connecting the ring to the valve.
- D Ensure that the top shaft of the valve is aligned in parallel with the valve and free of any debris.
- E When positioning the gear box, make sure that the sound shaft is positioned in the gear box with a positive fit.
- F Mount the gear box using the 4 screws included in the package. Hand-tighten the screws so that they do not come loose.
- G Graphic shows assembled valve with gear box.

3 Limited Warranty – Viega Metal Systems

Subject to the conditions and limitations in this Limited Warranty (“Warranty”), Viega LLC (“Viega”) warrants to end users, installers, and distributors in the United States and Canada that the following products (“Viega Products”) will be free of failure caused by a manufacturing defect from the date of installation for the time periods specified in the table included in this Warranty.

This Warranty will be valid only in the event the following conditions have been met: The Viega Products have been properly installed (1) under normal conditions of use; (2) under applications approved by Viega; (3) under Viega-specified system operating conditions; (4) using tools compatible with Viega systems; and (5) in alignment with Viega’s listings.

Further, you have a right to a remedy under this Warranty only if the Viega Product failure resulted from a manufacturing defect in the Viega Product and if the failure occurred during the applicable warranty period. You do not have a remedy under this Warranty if the failure was caused by (1) components other than those manufactured and/or sold by Viega; (2) failure to design, install, inspect, test, or maintain the Viega Product in accordance with Viega’s installation and product instructions in effect at the time of installation; (3) use of Viega Products under non-recommended system operating conditions (e.g., water pressures, temperatures, or other external chemical or physical conditions); (4) improper handling or protection of the Viega Product prior to, during, or after installation (e.g., inadequate freeze protection or exposure to environmental conditions not recommended for the application); or (5) acts of nature, including, without limitation, earthquakes, fire, or weather damage.

In the event of a failure of a Viega Product covered by this Warranty, it is the duty and responsibility of the end user to take appropriate measures to mitigate all potential damage, including making timely repairs to the system in which the Viega Product has been installed. The part or parts which you claim failed must be kept and returned to Viega for testing. Viega may be contacted at the phone number or mailing address below. All warranty claims must be made within 30 calendar days after the failure has (or

should reasonably have) been discovered. You should be prepared to ship, at your expense, the Viega Product which you claim failed due to a manufacturing defect, with documentation of the installation date and the amount spent on any repair or replacement if performed by you. Within a reasonable time after receiving the Viega Product, Viega will investigate the cause of the failure, which includes the right to inspect the Viega Product at a Viega location and reasonable access to the site of any alleged damage. Viega will notify you in writing of the results of its review.

In the event Viega determines that the failure was the result of a manufacturing defect in the Viega Product covered by this Warranty and all conditions of this Warranty have been met, your **SOLE AND EXCLUSIVE REMEDY** under this Warranty shall be the reimbursement for the reasonable costs of repair or replacement of the Viega Product itself. **VIEGA SHALL NOT BE LIABLE FOR ANY CONSEQUENTIAL OR OTHER SIMILAR DAMAGES (E.G., ECONOMIC LOSS, WATER OR PROPERTY DAMAGE, OR MOLD REMEDIATION) UNDER ANY LEGAL THEORY AND WHETHER ASSERTED BY DIRECT ACTION, FOR CONTRIBUTION, INDEMNITY, OR OTHERWISE.**

THIS WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESS, OR IMPLIED, INCLUDING, WITHOUT LIMITATION, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE OR ANY STATUTE OF LIMITATIONS RELATING TO SUCH WARRANTIES. Viega will be responsible for remedies only if all conditions of this Warranty have been met. Other than this Warranty, Viega does not authorize any person, company, contractor, or distributor to create any additional warranty, obligation, or liability in connection with the Viega Product.

This Warranty gives you specific legal rights, and you also may have other rights which may vary from state to state. This Warranty shall be interpreted and applied under the law of the state in which the product is installed and is intended as a **COMMERCIAL WARRANTY**.

Continued on next page.

Warranty Period by Product and Application Type		
Viega Product Line	Residential and Commercial	Industrial ¹ and Marine ²
ProPress® copper fittings	50 years	2 years
ProPress 316 fittings and tubing	10 years	
MegaPress® fittings	15 years	
MegaPress FKM fittings		
MegaPress 304 FKM fittings		
MegaPress 316 fittings		
MegaPress 316 FKM fittings		
MegaPressG ³ fittings		
MegaPress CuNi fittings		
All valves	5 years	
¹ Industrial applications are defined as non-residential and non-commercial applications not normally accessible to the general public, including manufacturing, mining, process, or fabrication environments, or applications with components that have been cleaned for oxygen service.		
² Marine applications are defined as mobile structures used to navigate water or stationary structures in water.		
³ MegaPressG products covered by this Warranty must be installed by a licensed contractor in compliance with applicable building, permit, and inspection codes. See product instructions for additional information.		