

ProPress 316



1.3

ProPress 316

Viega ProPress 316 is engineered for commercial and industrial environments, such as breweries and other facilities. With applications ranging from industrial gases to caustic chemicals, Viega ProPress 316 is a complete solution, with pipe, valves and fittings. Viega ProPress fittings offer Smart Connect, a technology that provides installers added confidence in their ability to ensure secure connections.

FEATURES AND BENEFITS

- More than 200 different engineered fitting configurations for stainless 316
- Available in sizes ½" to 4"
- Approved for more than 450 different applications

CODES AND STANDARDS

- ASME B31: Code for Pressure Piping
- ASME B31.1: Power Piping
- ASME B31.3: Process Piping
- ASME B31.9: Building Services Piping
- ASTM A312: Standard Specification for Seamless, Welded and Heavily Cold Worked Austenitic Stainless Steel Pipes
- ASTM A403: Standard Specification for Wrought Austenitic Stainless Steel Pipe Fittings
- ASTM A554: Standard Specification for Welded Stainless Steel Mechanical Tubing
- IACS UR P2: Rules for piping design, construction and testing
- IAPMO: National Standard Plumbing Code (NSPC)
- IAPMO: PS-117: Press Connections
- IAPMO: Uniform Mechanical Code (UMC)
- IAPMO: Uniform Plumbing Code (UPC)
- IAPMO: Uniform Solar, Hydronics, and Geothermal Code (USHGC)
- ICC: International Mechanical Code (IMC)
- ICC: International Plumbing Code (IPC)
- ICC: International Residential Code (IRC)
- ICC-ES LC1002: Press-connection Fittings for Potable Water Tube and Radiant Heating Systems
- National Building Code of Canada (NBCC)
- National Plumbing Code of Canada (NPCC)
- National Standard Plumbing Code (NSPC)
- NFPA 13: Standard for the Installation of Sprinkler Systems
- NFPA 13D: Standard for the Installation of Sprinkler Systems in One- and Two-Family Dwellings and Manufactured Homes
- NFPA 13R: Standard for the Installation of Sprinkler Systems in Low-Rise Residential Occupancies

LISTINGS AND CERTIFICATIONS

- ABS: American Bureau of Shipping Type Approval
- ANSI/CAN/UL 213: Standard for Rubber Gasketed Fittings for Fire-Protection Service
- Canadian Registration Number (CRN): 13492.5 A/B/C
- IAPMO file 3965 (ProPress 316)
- ICC-ES PMG Product Certificate PMG-1125 (ProPress 316)
- LR: Lloyd's Register Type Approval
- NSF/ANSI/CAN 61: (for fittings only)
- NSF/ANSI 372: (for fittings only)
- ANSI/UL852: Standard for Metallic Sprinkler Pipe for Fire Protection Services
- United States Coast Guard Acceptance Letter 2019-3650

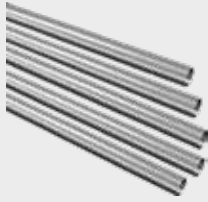
ZERO LEAD

References to Zero Lead throughout this publication mean products meet the requirements of both NSF/ANSI 372 ($\leq 0.25\%$ maximum weighted average lead content) and NSF/ANSI/CAN 61.

NOTE

A green dot on a Viega ProPress 316 fitting indicates Smart Connect technology with an EPDM sealing element.

Tubing



ViEGA ProPress tubing

- For use with ViEGA ProPress stainless fittings
- 316 stainless steel

Note

All ViEGA ProPress stainless tube is copper tube size (CTS).

ASTM A312

Model 4003

| d | L [ft] | Wt [lb] | Quantity | Part No | DG |
|-------|--------|---------|----------|---------|----|
| 1/2 | 20 | 7.480 | 1 | 82000 | 9 |
| 3/4 | 20 | 10.800 | 1 | 82005 | 9 |
| 1 | 20 | 14.120 | 1 | 82010 | 9 |
| 1 1/4 | 20 | 17.460 | 1 | 82015 | 9 |
| 1 1/2 | 20 | 20.740 | 1 | 82020 | 9 |
| 2 | 20 | 27.380 | 1 | 82025 | 9 |



ViEGA ProPress tubing

- For use with ViEGA ProPress stainless fittings
- 316 stainless steel

Note

All ViEGA ProPress stainless tube is copper tube size (CTS).

ASTM A312

Model 4007XL

| d | L [ft] | Wt [lb] | Quantity | Part No | DG |
|-------|--------|---------|----------|---------|----|
| 2 1/2 | 20 | 43.580 | 1 | 82042 | 9 |
| 3 | 20 | 52.120 | 1 | 82050 | 9 |
| 4 | 20 | 69.240 | 1 | 82055 | 9 |

Elbows



ViEGA ProPress 90° elbow

Smart Connect technology

- For use with ViEGA ProPress stainless tubing
- 316 stainless steel
- Press connection

Components

EPDM sealing elements

Model 4016

| P1 | P2 | Wt [lb] | Quantity | Part No | DG |
|-------|-------|---------|----------|---------|----|
| 1/2 | 1/2 | 0.121 | 10 | 80400 | 9 |
| 3/4 | 3/4 | 0.233 | 10 | 80405 | 9 |
| 1 | 1 | 0.304 | 5 | 80410 | 9 |
| 1 1/4 | 1 1/4 | 0.390 | 1 | 80415 | 9 |
| 1 1/2 | 1 1/2 | 0.694 | 1 | 80420 | 9 |
| 2 | 2 | 0.972 | 1 | 80425 | 9 |



ViEGA ProPress 90° elbow

Smart Connect technology

- For use with ViEGA ProPress stainless tubing
- 316 stainless steel
- Press connection

Components

EPDM sealing elements

Note

Must be installed with ViEGA ProPress XL-C rings and V2 actuator.

Model 4016XL

| P1 | P2 | Wt [lb] | Quantity | Part No | DG |
|-------|-------|---------|----------|---------|----|
| 2 1/2 | 2 1/2 | 1.847 | 1 | 80430 | 9 |
| 3 | 3 | 2.535 | 1 | 80435 | 9 |
| 4 | 4 | 4.099 | 1 | 80440 | 9 |



ViEGA ProPress 90° street elbow

Smart Connect technology

- For use with ViEGA ProPress stainless tubing
- 316 stainless steel
- Press connection, street

Components

EPDM sealing element

Model 4016.1

| P | FTG (CTS) | Wt [lb] | Quantity | Part No | DG |
|-------|-----------|---------|----------|---------|----|
| 1/2 | 1/2 | 0.104 | 10 | 80490 | 9 |
| 3/4 | 3/4 | 0.215 | 10 | 80495 | 9 |
| 1 | 1 | 0.317 | 5 | 80500 | 9 |
| 1 1/4 | 1 1/4 | 0.485 | 1 | 80505 | 9 |
| 1 1/2 | 1 1/2 | 0.648 | 1 | 80510 | 9 |
| 2 | 2 | 0.950 | 1 | 80515 | 9 |

FTG (CTS) = TEST



ViEGA ProPress 90° street elbow

Smart Connect technology

- For use with ViEGA ProPress stainless tubing
- 316 stainless steel
- Press connection, street

Components

EPDM sealing element

Note

Must be installed with ViEGA ProPress XL-C rings and V2 actuator.

Model 4016.1XL

| P | FTG (CTS) | Wt [lb] | Quantity | Part No | DG |
|-------|-----------|---------|----------|---------|----|
| 2 1/2 | 2 1/2 | 1.732 | 1 | 80520 | 9 |
| 3 | 3 | 2.383 | 1 | 80525 | 9 |
| 4 | 4 | 3.974 | 1 | 80530 | 9 |

FTG (CTS) = TEST