

## MegaPress 316



## MegaPress 316

MegaPress fittings in 316 stainless steel are the industry's first press fittings for Schedule 5 to 40 piping systems. Save labor cost and system downtime with press fittings in a wide variety of configurations, available in sizes from ½" to 4".

Viega MegaPress 316 with an EPDM sealing element is suitable for use with chilled water, compressed air, potable water, marine applications and more. Not for use with fuel gas or fuel oil applications.

### FEATURES AND BENEFITS

- Engineered with a 420 stainless steel grip ring plus a 304 stainless steel separator ring for sizes ½" to 2" and a PBT separator ring for sizes 2½" to 4"
- 316 stainless carries an NSF-61 potable water rating
- Wide range of fitting configurations
- Eliminates threading and welding
- No fire watches, hot work permits or messy cutting oils
- Makes secure press connections from ½" to 4" in seconds
- Compatible with existing press tools
- Backed by limited written warranty
- Can be used on Schedule 80 pipe, but with the rating of a Schedule 40 system

### 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
- IACS UR P2: Rules for piping design, construction and testing
- IAPMO: California Mechanical Code (CMC)
- IAPMO: California Plumbing Code (CPC)
- 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)
- 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
- BV: Bureau Veritas Type Approval
- Canadian Registration Number (CRN): 14541.5 A/B/C
- DNV GL: Det Norske Veritas Germanischer Lloyd Type Approval
- FM Class 1920: Pipe Couplings and Fittings for aboveground Fire Protection Systems (½" to 2" only)
- IAPMO file 10555 (MegaPress 316)
- ICC-ES PMG-1451 (MegaPress 316)
- LR: Lloyd's Register Type Approval
- NSF/ANSI/CAN 61: Drinking Water System Components – Health Effects
- NSF/ANSI 372: Drinking Water System Components – Lead Content
- RINA: Registro Italiano Navale
- ANSI/CAN/UL 213: Standard for Rubber Gasketed Fittings for Fire-Protection Service (½" to 3" only)
- Unites States Coast Guard Acceptance Letter 2019-3660

### NOTE

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


**Viega MegaPress tee**  
**Smart Connect technology**

- 316 stainless steel
- Press connection, female pipe thread

**Components**

EPDM sealing element

**Note**

Must be installed with MegaPress XL rings and PressBooster/Z3 actuator

**Model 5117.2XL**

| P1 | P2 | FPT | Wt [lb] | Quantity | Part No      | DG |
|----|----|-----|---------|----------|--------------|----|
| 2½ | 2½ | ¾   | 2.477   | 1        | <b>90620</b> | 14 |
| 3  | 3  | ¾   | 3.066   | 1        | <b>90625</b> | 14 |
| 4  | 4  | ¾   | 4.595   | 1        | <b>90630</b> | 14 |

## Adapters


**Viega MegaPress adapter**  
**Smart Connect technology**

- 316 stainless steel
- Press connection, male pipe thread

**Components**

EPDM sealing element

**Model 5111**

| P  | MPT | Wt [lb] | Quantity | Part No      | DG |
|----|-----|---------|----------|--------------|----|
| ½  | ½   | 0.207   | 10       | <b>90230</b> | 14 |
| ¾  | ½   | 0.270   | 10       | <b>90235</b> | 14 |
| ¾  | ¾   | 0.282   | 10       | <b>90240</b> | 14 |
| 1  | 1   | 0.465   | 5        | <b>90245</b> | 14 |
| 1¼ | 1¼  | 0.807   | 1        | <b>90880</b> | 14 |
| 1½ | 1½  | 0.983   | 1        | <b>90250</b> | 14 |
| 2  | 2   | 1.320   | 1        | <b>90255</b> | 14 |


**Viega MegaPress adapter**  
**Smart Connect technology**

- 316 stainless steel
- Press connection, male pipe thread

**Components**

EPDM sealing element

**Note**

Must be installed with MegaPress XL rings and PressBooster/Z3 actuator

**Model 5111XL**

| P  | MPT | Wt [lb] | Quantity | Part No      | DG |
|----|-----|---------|----------|--------------|----|
| 2½ | 2½  | 1.686   | 1        | <b>90635</b> | 14 |
| 3  | 3   | 2.341   | 1        | <b>90640</b> | 14 |
| 4  | 4   | 4.170   | 1        | <b>90735</b> | 14 |


**Viega MegaPress adapter**  
**Smart Connect technology**

- 316 stainless steel
- Press connection, female pipe thread

**Components**

EPDM sealing element

**Model 5112**

| P  | FPT | Wt [lb] | Quantity | Part No      | DG |
|----|-----|---------|----------|--------------|----|
| ½  | ½   | 0.229   | 10       | <b>90260</b> | 14 |
| ¾  | ¾   | 0.291   | 10       | <b>90265</b> | 14 |
| 1  | 1   | 0.538   | 5        | <b>90270</b> | 14 |
| 1¼ | 1¼  | 0.688   | 1        | <b>90885</b> | 14 |
| 1½ | 1½  | 0.893   | 1        | <b>90275</b> | 14 |
| 2  | 2   | 1.261   | 1        | <b>90280</b> | 14 |


**Viega MegaPress adapter**  
**Smart Connect technology**

- 316 stainless steel
- Press connections, female pipe thread

**Components**

EPDM sealing element

**Note**

Must be installed with MegaPress XL rings and PressBooster/Z3 actuator

**Model 5112XL**

| P  | FPT | Wt [lb] | Quantity | Part No      | DG |
|----|-----|---------|----------|--------------|----|
| 2½ | 2½  | 1.829   | 1        | <b>90740</b> | 14 |
| 3  | 3   | 2.356   | 1        | <b>90745</b> | 14 |
| 4  | 4   | 3.478   | 1        | <b>90750</b> | 14 |

## Flanges


**Viega MegaPress flange**  
**Smart Connect technology**

- 316 stainless steel
- Press connection

**Components**

EPDM sealing element

**Model 5159**

| P  | BP | BPd | Wt [lb] | Quantity | Part No      | DG |
|----|----|-----|---------|----------|--------------|----|
| ½  | 4  | 2¾  | 1.326   | 1        | <b>90440</b> | 14 |
| ¾  | 4  | 2¾  | 1.512   | 1        | <b>90445</b> | 14 |
| 1  | 4  | 3⅞  | 2.089   | 1        | <b>90450</b> | 14 |
| 1¼ | 4  | 3½  | 2.953   | 1        | <b>90920</b> | 14 |
| 1½ | 4  | 3⅞  | 3.725   | 1        | <b>90455</b> | 14 |
| 2  | 4  | 4¾  | 5.049   | 1        | <b>90460</b> | 14 |

BP = bolt pattern

BPd = bolt pattern diameter