

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.

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Elbows



Viega MegaPress 90° elbow
Smart Connect technology
 - 316 stainless steel
 - Press connection
Components
 EPDM sealing elements
Model 5116

P1	P2	Wt [lb]	Quantity	Part No	DG
1/2	1/2	0.315	10	90005	14
3/4	3/4	0.422	10	90010	14
1	1	0.785	5	90015	14
1 1/4	1 1/4	1.247	1	90835	14
1 1/2	1 1/2	1.527	1	90020	14
2	2	2.081	1	90025	14



Viega MegaPress 90° elbow
Smart Connect technology
 - 316 stainless steel
 - Press connection
Components
 EPDM sealing element
Note
 Must be installed with MegaPress XL rings
 and PressBooster/Z3 actuator
Model 5116XL

P1	P2	Wt [lb]	Quantity	Part No	DG
2 1/2	2 1/2	3.163	1	90500	14
3	3	5.263	1	90505	14
4	4	7.807	1	90510	14



Viega MegaPress 90° street elbow
Smart Connect technology
 - 316 stainless steel
 - Press connection, street
Components
 EPDM sealing element
Model 5116.1

P1	FTG (IPS)	Wt [lb]	Quantity	Part No	DG
1/2	1/2	0.313	10	90030	14
3/4	3/4	0.413	10	90035	14
1	1	0.800	5	90040	14
1 1/4	1 1/4	1.225	1	90895	14
1 1/2	1 1/2	1.510	1	90045	14
2	2	2.122	1	90050	14



Viega MegaPress 90° street elbow
Smart Connect technology
 - 316 stainless steel
 - Press connection, street
Components
 EPDM sealing element
Note
 Must be installed with MegaPress XL rings
 and PressBooster/Z3 actuator
Model 5116.1XL

P	FTG (IPS)	Wt [lb]	Quantity	Part No	DG
2 1/2	2 1/2	3.253	1	90515	14
3	3	4.459	1	90520	14
4	4	7.469	1	90525	14



Viega MegaPress 45° elbow
Smart Connect technology
 - 316 stainless steel
 - Press connection
Components
 EPDM sealing elements
Model 5126

P1	P2	Wt [lb]	Quantity	Part No	DG
1/2	1/2	0.266	10	90055	14
3/4	3/4	0.339	10	90060	14
1	1	0.639	5	90065	14
1 1/4	1 1/4	1.042	1	90840	14
1 1/2	1 1/2	1.228	1	90070	14
2	2	1.622	1	90075	14



Viega MegaPress 45° elbow
Smart Connect technology
 - 316 stainless steel
 - Press connection
Components
 EPDM sealing elements
Model 5126XL

P1	P2	Wt [lb]	Quantity	Part No	DG
2 1/2	2 1/2	2.900	1	90530	14
3	3	3.542	1	90535	14
4	4	5.916	1	90540	14



Viega MegaPress 45° street elbow
Smart Connect technology
 - 316 stainless steel
 - Press connection, street
Components
 EPDM sealing element
Model 5126.1

P	FTG (IPS)	Wt [lb]	Quantity	Part No	DG
½	½	0.271	10	90080	14
¾	¾	0.353	10	90085	14
1	1	0.648	5	90090	14
1¼	1¼	1.007	1	90900	14
1½	1½	1.232	1	90095	14
2	2	1.671	1	90100	14



Viega MegaPress 45° street elbow
Smart Connect technology
 - 316 stainless steel
 - Press connection, street
Components
 EPDM sealing element
Note
 Must be installed with MegaPress XL rings
 and PressBooster/Z3 actuator
Model 5126.1XL

P	FTG (IPS)	Wt [lb]	Quantity	Part No	DG
2½	2½	2.290	1	90545	14
3	3	3.284	1	90550	14
4	4	5.455	1	90555	14

Tees



Viega MegaPress tee
Smart Connect technology
 - 316 stainless steel
 - Press connection
Components
 EPDM sealing elements
Model 5118

P1	P2	P3	Wt [lb]	Quantity	Part No	DG
½	½	½	0.432	5	90105	14
¾	¾	½	0.534	5	90130	14
¾	¾	¾	0.569	5	90110	14
1	1	½	0.866	5	90135	14
1	1	¾	0.891	5	90140	14
1	1	1	0.996	5	90115	14
1¼	1¼	½	1.311	1	90905	14
1¼	1¼	¾	1.342	1	90910	14
1¼	1¼	1	1.441	1	90915	14
1¼	1¼	1¼	1.600	1	90845	14
1½	1½	½	1.549	1	90145	14
1½	1½	¾	1.536	1	90150	14
1½	1½	1	1.655	1	90155	14
1½	1½	1½	1.887	1	90120	14
2	2	½	2.074	1	90160	14
2	2	¾	2.100	1	90165	14
2	2	1	2.191	1	90170	14
2	2	1½	2.407	1	90175	14
2	2	2	2.515	1	90125	14



Viega MegaPress tee
Smart Connect technology
 - 316 stainless steel
 - Press connection
Components
 EPDM sealing element
Note
 Must be installed with MegaPress XL rings
 and PressBooster/Z3 actuator
Model 5118XL

P1	P2	P3	Wt [lb]	Quantity	Part No	DG
2½	2½	1½	3.035	1	90575	14
2½	2½	2	3.163	1	90580	14
2½	2½	2½	3.762	1	90560	14
3	3	1½	3.672	1	90590	14
3	3	2	3.963	1	90585	14
3	3	2½	4.312	1	90595	14
3	3	3	4.820	1	90565	14
4	4	1½	5.614	1	90600	14
4	4	2	5.979	1	90605	14
4	4	2½	6.387	1	90610	14
4	4	3	6.921	1	90615	14
4	4	4	8.221	1	90570	14



Viega MegaPress tee
Smart Connect technology
 - 316 stainless steel
 - Press connection, female pipe thread
Components
 EPDM sealing elements
Model 5117.2

P1	P2	FPT	Wt [lb]	Quantity	Part No	DG
¾	¾	½	0.525	5	90180	14
¾	¾	¾	0.551	5	90185	14
1	1	½	0.844	5	90190	14
1	1	¾	0.879	5	90195	14
1½	1½	½	1.519	1	90200	14
1½	1½	¾	1.574	1	90205	14
1½	1½	1	1.719	1	90210	14
2	2	½	2.072	1	90215	14
2	2	¾	2.081	1	90220	14
2	2	1	2.222	1	90225	14



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	90620	14
3	3	¾	3.066	1	90625	14
4	4	¾	4.595	1	90630	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	90230	14
¾	½	0.270	10	90235	14
¾	¾	0.282	10	90240	14
1	1	0.465	5	90245	14
1¼	1¼	0.807	1	90880	14
1½	1½	0.983	1	90250	14
2	2	1.320	1	90255	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	90635	14
3	3	2.341	1	90640	14
4	4	4.170	1	90735	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	90260	14
¾	¾	0.291	10	90265	14
1	1	0.538	5	90270	14
1¼	1¼	0.688	1	90885	14
1½	1½	0.893	1	90275	14
2	2	1.261	1	90280	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	90740	14
3	3	2.356	1	90745	14
4	4	3.478	1	90750	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	90440	14
¾	4	2¾	1.512	1	90445	14
1	4	3½	2.089	1	90450	14
1¼	4	3½	2.953	1	90920	14
1½	4	3¾	3.725	1	90455	14
2	4	4¾	5.049	1	90460	14

BP = bolt pattern
 BPd = bolt pattern diameter



Viega MegaPress flange
Smart Connect technology

- 316 stainless steel
- Press connection

Components

EPDM sealing element

Note

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

Model 5159XL

P	BP	BPd	Wt [lb]	Quantity	Part No	DG
2½	4	5½	8.342	1	90720	14
3	4	6	9.709	1	90725	14
4	8	7½	13.881	1	90730	14

BP = bolt pattern
BPd = bolt pattern diameter

Caps



Viega MegaPress cap
Smart Connect technology

- 316 stainless steel
- Press connection

Components

EPDM sealing element

Model 5156

P	Wt [lb]	Quantity	Part No	DG
½	0.172	10	90390	14
¾	0.218	10	90395	14
1	0.379	5	90400	14
1¼	0.604	1	90875	14
1½	0.703	1	90405	14
2	0.926	1	90410	14



Viega MegaPress cap
Smart Connect technology

- 316 stainless steel
- Press connection

Components

EPDM sealing element

Note

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

Model 5156.1XL

P	Wt [lb]	Quantity	Part No	DG
2½	1.466	1	90705	14
3	1.695	1	90710	14
4	2.790	1	90715	14

Unions



Viega MegaPress union
Smart Connect technology

- 316 stainless steel
- Press connection

Components

EPDM flat gasket, EPDM sealing elements

Model 5160

P1	P2	Wt [lb]	Quantity	Part No	DG
½	½	0.624	5	90415	14
¾	¾	1.036	5	90420	14
1	1	1.342	1	90425	14
1¼	1¼	2.420	1	90925	14
1½	1½	2.468	1	90430	14
2	2	3.956	1	90435	14

Couplings



Viega MegaPress coupling
With stop

Smart Connect technology

- 316 stainless steel
- Press connection

Components

EPDM sealing elements

Model 5115

P1	P2	Wt [lb]	Quantity	Part No	DG
½	½	0.227	10	90285	14
¾	¾	0.290	10	90290	14
1	1	0.505	5	90295	14
1¼	1¼	0.849	1	90850	14
1½	1½	1.018	1	90300	14
2	2	1.267	1	90305	14



Viega MegaPress coupling
With stop

Smart Connect technology

- 316 stainless steel
- Press connection

Components

EPDM sealing element

Note

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

Model 5115XL

P1	P2	Wt [lb]	Quantity	Part No	DG
2½	2½	1.688	1	90645	14
3	3	2.645	1	90650	14
4	4	4.130	126	90655	14



Viega MegaPress coupling

No stop

Smart Connect technology

- 316 stainless steel
- Press connection

Components

- EPDM sealing elements

Model 5115.5

P1	P2	Wt [lb]	Quantity	Part No	DG
1/2	1/2	0.224	10	90310	14
3/4	3/4	0.291	10	90315	14
1	1	0.502	5	90320	14
1 1/4	1 1/4	0.846	1	90855	14
1 1/2	1 1/2	1.001	1	90325	14
2	2	1.179	1	90330	14



Viega MegaPress coupling

No stop

Smart Connect technology

- 316 stainless steel
- Press connection

Components

- EPDM sealing element

Note

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

Model 5115.5XL

P1	P2	Wt [lb]	Quantity	Part No	DG
2 1/2	2 1/2	1.995	1	90660	14
3	3	2.634	1	90665	14
4	4	4.135	126	90670	14



Viega MegaPress transition coupling

Smart Connect technology

- For transitioning between IPS and CTS systems

- 316 stainless steel
- Press connection

Components

- EPDM sealing elements

Model 5113

New

P (IPS)	P (CTS)	Wt [lb]	Quantity	Part No	DG
1/2	1/2	0.214	1	90465	14
3/4	3/4	0.280	1	90470	14
1	1	0.425	1	90475	14
1 1/4	1 1/4	0.626	1	90890	14
1 1/2	1 1/2	0.804	1	90485	14
2	2	1.031	1	90490	14

Reducers



Viega MegaPress reducer

Smart Connect technology

- 316 stainless steel
- Street, press connection

Components

- EPDM sealing element

Model 5115.1

FTG (IPS)	P	Wt [lb]	Quantity	Part No	DG
3/4	1/2	0.238	5	90355	14
1	1/2	0.339	5	90360	14
1	3/4	0.368	5	90365	14
1 1/4	1	0.694	1	90860	14
1 1/2	3/4	0.644	1	90370	14
1 1/2	1	0.703	1	90375	14
1 1/2	1 1/4	0.926	1	90865	14
2	1	0.915	1	90380	14
2	1 1/2	1.126	1	90385	14



Viega MegaPress reducer

Smart Connect technology

- 316 stainless steel
- Street, press connection

Components

- EPDM sealing element

Note

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

Model 5115.1XL

FTG (IPS)	P	Wt [lb]	Quantity	Part No	DG
2 1/2	2	1.446	1	90675	14
3	2	1.843	1	90680	14
3	2 1/2	1.962	1	90685	14
4	2	2.911	1	90690	14
4	2 1/2	3.004	1	90695	14
4	3	3.280	1	90700	14



Viega MegaPress reducer

Smart Connect technology

- 316 stainless steel
- Press connection

Components

- EPDM sealing elements

Model 5115.2

P1	P2	Wt [lb]	Quantity	Part No	DG
3/4	1/2	0.306	5	90335	14
1	3/4	0.478	5	90340	14
1 1/4	1	0.789	1	90870	14
1 1/2	1	0.855	1	90345	14
2	1 1/2	1.281	1	90350	14

Valves



Viega MegaPress 316 3-piece ball valve
Smart Connect technology
 - 316 stainless steel
 - Press connections
Components
 EPDM sealing elements, 304 locking handle
Model 5175.8

P1	P2	Wt [lb]	Quantity	Part No	DG
1/2	1/2	1.717	1	86530	14
3/4	3/4	2.336	1	86535	14
1	1	3.714	1	86540	14
1 1/4	1 1/4	7.172	1	86545	14
1 1/2	1 1/2	8.265	1	86550	14
2	2	8.772	1	86555	14



New

Viega MegaPress 316 3-piece ball valve
Smart Connect technology
 - For use with Sch. 5 to Sch. 40 stainless steel pipe
 - 316 stainless steel
 - Press connections
Components
 EPDM sealing elements, 304 locking handle
Model 5175.8XL

P1	P2	Wt [lb]	Quantity	Part No	DG
2 1/2	2 1/2	12.761	1	86665¹⁾	14
3	3	18.800	1	86670¹⁾	14
4	4	31.627	1	86675¹⁾	14

¹⁾ Available soon!

Accessories



Flange bolt set
 - For adapter flange
 - Galvanized carbon steel
Components
 Bolt, nut, washer
Model 2959.7

L [in]	W [in]	Bolts	Flange	Wt [lb]	Quantity	Part No	DG
2 1/2	1/2	4	1/2, 3/4, 1, 1 1/4, 1 1/2	0.871	1	19748	8
2 3/4	5/8	4	2, 2 1/2, 3	1.572	1	19758	8
2 3/4	5/8	8	4	3.141	1	19763	8



Viega MegaPress valve repair kit
 - Not suitable for Viega ProPress 3-piece ball valves
 - Use with Viega MegaPress 304 FKM 3-piece ball valve Model 4175.8, Viega MegaPress 3-piece ball valve Model 4875.8, Viega MegaPress 316 3-piece ball valve Model 5175.8, Viega MegaPress FKM 3-piece ball valve Model 5975.8
 - PTFE
Components
 PTFE stem seals, PTFE ball seats
Model 4875.91

d	Wt [lb]	Quantity	Part No	DG
1/2		1	86560¹⁾	14
3/4		1	86565¹⁾	14
1		1	86570¹⁾	14
1 1/4		1	86575¹⁾	14
1 1/2, 2		1	86580¹⁾	14

¹⁾ Available soon!



Viega 3-piece replacement handle
 - Use with Viega MegaPress 304 FKM 3-piece ball valve Model 4175.8, Viega ProPress 304 3-piece ball valve Model 4370.8, Viega MegaPress 3-piece ball valve Model 4875.8, Viega MegaPress 316 3-piece ball valve Model 5175.8, Viega MegaPress FKM 3-piece ball valve Model 5975.8
 - 316 stainless steel
Model 4875.80

Valve Size (CTS)	Valve Size (IPS)	Wt [lb]	Quantity	Part No	DG
3/4	1/2	0.130	1	86625¹⁾	14
1	3/4	0.256	1	86600¹⁾	14
1 1/4	1	0.454	1	86605¹⁾	14
1 1/2, 2	1 1/4, 1 1/2, 2	0.478	1	86630¹⁾	14

¹⁾ Available soon!

