

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 technology to provide installers added confidence in their ability to ensure secure connections.

FEATURES AND BENEFITS

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

ZERO LEAD

Zero Lead identifies Viega products meeting the lead-free requirements of NSF 61-G through testing under NSF/ANSI 372 (0.25% or less maximum weighted average lead content).

NOTE

Products within this section meet various codes, standards, listings and certifications. Please refer to the most up-to-date Tech Data sheets relevant to the product or to the listing agency's official record. A green dot indicates an EPDM sealing element.

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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	0.127	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	0.228	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



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



Viega ProPress 45° elbow
Smart Connect technology
 - For use with Viega ProPress stainless tubing
 - 316 stainless steel
 - Press connection
Components
 EPDM sealing elements
Model 4026

P1	P2	Wt [lb]	Quantity	Part No	DG
1/2	1/2	0.101	10	80445	9
3/4	3/4	0.190	10	80450	9
1	1	0.234	5	80455	9
1 1/4	1 1/4	0.305	1	80460	9
1 1/2	1 1/2	0.527	1	80465	9
2	2	0.738	1	80470	9



Viega ProPress 45° 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 4026XL

P1	P2	Wt [lb]	Quantity	Part No	DG
2 1/2	2 1/2	1.428	1	80475	9
3	3	1.917	1	80480	9
4	4	3.090	1	80485	9



Viega ProPress 45° street elbow
Smart Connect technology
 - For use with Viega ProPress stainless tubing
 - 316 stainless steel
 - Press connection, street
Components
 EPDM sealing element
Model 4026.1

P	FTG (CTS)	Wt [lb]	Quantity	Part No	DG
1/2	1/2	0.092	10	80535	9
3/4	3/4	0.174	10	80540	9
1	1	0.237	5	80545	9
1 1/4	1 1/4	0.353	1	80550	9
1 1/2	1 1/2	0.478	1	80555	9
2	2	0.714	1	80560	9



Viega ProPress 45° 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 4026.1XL

P	FTG (CTS)	Wt [lb]	Quantity	Part No	DG
2 1/2	2 1/2	1.333	1	80565	9
3	3	1.816	1	80570	9
4	4	2.837	1	80575	9

Tees



Viega ProPress tee
Smart Connect technology
 - For use with Viega ProPress stainless tubing
 - 316 stainless steel
 - Press connection
Components
 EPDM sealing elements
Model 4018

P1	P2	P3	Wt [lb]	Quantity	Part No	DG
1/2	1/2	1/2	0.154	10	80580	9
3/4	3/4	1/2	0.241	10	80630	9
3/4	3/4	3/4	0.257	10	80585	9
1	1	1/2	0.305	5	80640	9
1	1	3/4	0.340	5	80650	9
1	1	1	0.354	5	80590	9
1 1/4	1 1/4	1/2	0.351	1	80660	9
1 1/4	1 1/4	3/4	0.395	1	80670	9
1 1/4	1 1/4	1	0.483	1	80680	9
1 1/4	1 1/4	1 1/4	0.441	1	80595	9
1 1/2	1 1/2	1/2	0.687	1	80690	9
1 1/2	1 1/2	3/4	0.705	1	80700	9
1 1/2	1 1/2	1	0.721	1	80710	9
1 1/2	1 1/2	1 1/2	0.822	1	80600	9
2	2	1/2	0.957	1	80720	9
2	2	3/4	0.725	1	80730	9
2	2	1	0.785	1	80740	9
2	2	1 1/2	0.948	1	80750	9
2	2	2	1.124	1	80605	9



Viega ProPress tee

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 4018XL

P1	P2	P3	Wt [lb]	Quantity	Part No	DG
2½	2	1½	1.554	1	80753	9
2½	2	2	1.737	1	80752	9
2½	2½	1½	1.573	1	80751	9
2½	2½	2	1.739	1	80760	9
2½	2½	2½	2.056	1	80610	9
3	3	1¼	1.836	1	80782	9
3	3	1½	1.955	1	80781	9
3	3	2	2.151	1	80770	9
3	3	2½	2.471	1	80780	9
3	3	3	2.722	1	80615	9
4	4	1½	2.733	1	80791	9
4	4	2	3.019	1	80790	9
4	4	2½	3.366	1	80800	9
4	4	3	3.659	1	80810	9
4	4	4	4.212	1	80620	9



Viega ProPress reducing tee

Smart Connect technology

- For use with Viega ProPress stainless tubing
- 316 stainless steel
- Press connection, female pipe thread

Components

EPDM sealing elements

Model 4017.2

P1	P2	FPT	Wt [lb]	Quantity	Part No	DG
¾	¾	½	0.287	5	80820	9
¾	¾	¾	0.342	5	80830	9
1	1	½	0.351	5	80840	9
1	1	¾	0.392	5	80850	9
1¼	1¼	½	0.384	1	80860	9
1¼	1¼	¾	0.451	1	80870	9
1¼	1¼	1	0.564	1	80880	9
1½	1½	½	0.708	1	80890	9
1½	1½	¾	0.757	1	80900	9
1½	1½	1	0.840	1	80910	9
2	2	½	0.745	1	80920	9
2	2	¾	0.782	1	80930	9
2	2	1	1.126	1	80940	9



Viega ProPress reducing tee

Smart Connect technology

- For use with Viega ProPress stainless tubing
- 316 stainless steel
- Press connection, female pipe thread

Components

EPDM sealing elements

Note

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

Model 4017.2XL

P1	P2	FPT	Wt [lb]	Quantity	Part No	DG
2½	2½	¾	1.408	1	80950	9
2½	2½	1	1.494	1	80960	9
3	3	¾	1.803	1	80970	9
3	3	1	1.873	1	80980	9
4	4	¾	2.552	1	80990	9
4	4	1	2.667	1	81000	9

Adapters



Viega ProPress adapter

Smart Connect technology

- For use with Viega ProPress stainless tubing
- 316 stainless steel
- Press connection, male pipe thread

Components

EPDM sealing element

Model 4011

P	MPT	Wt [lb]	Quantity	Part No	DG
½	½	0.117	10	80010	9
½	¾	0.170	10	80015	9
¾	½	0.152	10	80020	9
¾	¾	0.185	10	80025	9
¾	1	0.441	5	80030	9
1	¾	0.200	5	80035	9
1	1	0.317	5	80040	9
1¼	1¼	0.588	1	80045	9
1½	1½	0.723	1	80050	9
2	2	0.990	1	80055	9



Viega ProPress adapter
Smart Connect technology
 - For use with Viega ProPress stainless tubing
 - 316 stainless steel
 - Press connection, male pipe thread

Components

EPDM sealing element

Note

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

Model 4011XL

P	MPT	Wt [lb]	Quantity	Part No	DG
2½	2½	2.050	1	80060	9
3	3	2.859	1	80065	9
4	4	3.967	1	80070	9



Viega ProPress adapter
Smart Connect technology
 - For use with Viega ProPress stainless tubing
 - 316 stainless steel
 - Press connection, female pipe thread

Components

EPDM sealing element

Model 4012

P	FPT	Wt [lb]	Quantity	Part No	DG
½	½	0.110	10	80080	9
¾	½	0.155	10	80085	9
¾	¾	0.198	10	80090	9
1	½	0.247	5	80092	9
1	¾	0.207	5	80095	9
1	1	0.307	5	80100	9
1¼	1¼	0.419	1	80105	9
1½	1¼	0.507	1	80110	9
1½	1½	0.688	1	80115	9
2	1	1.047	1	80075	9
2	1½	0.720	1	80120	9
2	2	0.802	1	80125	9



Viega ProPress instrumentation adapter
 - For use with Viega ProPress stainless fittings
 - 316 stainless steel
 - Street, female pipe thread

Model 4012.5

FTG (CTS)	FPT	Wt [lb]	Quantity	Part No	DG
½	½	0.191	1	80126	9
¾	¾	0.317	1	80127	9



Viega ProPress adapter
 - For transitioning between IPS and CTS systems
 - 316 stainless steel
 - Butt weld - iron pipe size, street

Model 4013.1XL

FTG (IPS)	FTG (CTS)	Wt [lb]	Quantity	Part No	DG
2½	2½	1.051	1	80081	9
3	3	1.311	1	80082	9
4	4	1.940	1	80083	9



Viega ProPress adapter
Smart Connect technology
 - For transitioning between IPS and CTS systems
 - 316 stainless steel
 - Groove - iron pipe size, press connection
 - Transition - groove

Components

EPDM sealing element

Note

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

Model 4013.2XL

G (IPS)	P	Wt [lb]	Quantity	Part No	DG
2½	2½	1.521	1	80064	9
3	3	1.913	1	80061	9
4	4	2.680	1	80063	9

Flanges



Viega ProPress adapter flange
Smart Connect technology
 - For use with Viega ProPress stainless tubing
 - 316 stainless steel
 - Press connection

Components

EPDM sealing element

Model 4059

P	BP	BPd	Wt [lb]	Quantity	Part No	DG
½	4	2¾	1.086	1	81035	9
¾	4	2¾	1.555	1	81040	9
1	4	3⅞	2.329	1	81045	9
1¼	4	3⅞	2.535	1	81050	9
1½	4	3⅞	2.479	1	81055	9
2	4	4¾	5.563	1	81060	9

BP = bolt pattern
 BPd = bolt pattern diameter



Viega ProPress adapter flange

Smart Connect technology

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

Components

EPDM sealing element

Note

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

Model 4059XL

P	BP	BPd	Ø2 [mm]	k [mm]	Wt [lb]	Quantity	Part No	DG
2½	4	5½	19	140	9.014	1	81065	9
3	4	6	19	152	10.425	1	81070	9
4	8	7½	19	191	14.150	1	81075	9

BP = bolt pattern
 BPd = bolt pattern diameter
 k = bolt circle diameter

Caps



Viega ProPress cap

Smart Connect technology

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

Components

EPDM sealing element

Model 4056

P	Wt [lb]	Quantity	Part No	DG
½	0.040	10	80355	9
¾	0.077	10	80360	9
1	0.108	5	80365	9
1¼	0.152	1	80370	9
1½	0.258	1	80375	9
2	0.361	1	80380	9



Viega ProPress cap

Smart Connect technology

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

Components

EPDM sealing element

Note

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

Model 4056.1XL

P	Wt [lb]	Quantity	Part No	DG
2½	0.780	1	80385	9
3	1.025	1	80390	9
4	1.527	1	80395	9

Unions



Viega ProPress union

Smart Connect technology

- For use with Viega ProPress stainless tubing
- 316 stainless steel
- Press connection
- Ground joint

Components

EPDM sealing elements

Model 4060

P1	P2	Wt [lb]	Quantity	Part No	DG
½	½	0.319	5	81005	9
¾	¾	0.487	5	81010	9
1	1	0.793	5	81015	9
1¼	1¼	1.014	1	81020	9
1½	1½	1.913	1	81025	9
2	2	3.000	1	81030	9



Viega ProPress di-electric union

Smart Connect technology

- For use with Viega ProPress stainless tubing
- 316 stainless steel
- Press connection, female pipe thread

Components

EPDM sealing element, EPDM flat gasket

Model 4067

P	FPT	Wt [lb]	Quantity	Part No	DG
½	½	0.793	1	80071*	9
¾	¾	1.159	1	80078*	9
1	1	1.049	1	80073*	9
1¼	1¼	1.635	1	80074*	9
1½	1½	1.847	1	80076*	9
2	2	3.196	1	80077*	9

* = Available while supplies last

Couplings



Viega ProPress coupling

With stop

Smart Connect technology

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

Components

EPDM sealing elements

Model 4015

P1	P2	Wt [lb]	Quantity	Part No	DG
½	½	0.081	10	80265	9
¾	¾	0.131	10	80270	9
1	1	0.165	5	80275	9
1¼	1¼	0.253	1	80280	9
1½	1½	0.414	1	80285	9
2	2	0.564	1	80290	9



Viega ProPress coupling
With stop
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 4015XL

P1	P2	Wt [lb]	Quantity	Part No	DG
2½	2½	1.084	1	80295	9
3	3	1.430	1	80300	9
4	4	2.122	1	80305	9



Viega ProPress coupling
No stop
Smart Connect technology
 - For use with Viega ProPress stainless tubing
 - 316 stainless steel
 - Press connection
Components
 EPDM sealing elements
Model 4015.5

P1	P2	Wt [lb]	Quantity	Part No	DG
½	½	0.070	10	80310	9
¾	¾	0.133	10	80315	9
1	1	0.156	5	80320	9
1¼	1¼	0.245	1	80325	9
1½	1½	0.410	1	80330	9
2	2	0.580	1	80335	9



Viega ProPress coupling
No stop
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 4015.5XL

P1	P2	Wt [lb]	Quantity	Part No	DG
2½	2½	1.084	1	80340	9
3	3	1.430	1	80345	9
4	4	2.136	1	80350	9



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

P (IPS)	P (CTS)	Wt [lb]	Quantity	Part No	DG
½	½	0.214	1	90465	14
¾	¾	0.280	1	90470	14
1	1	0.425	1	90475	14
1¼	1¼	0.626	1	90890	14
1½	1½	0.804	1	90485	14
2	2	1.031	1	90490	14

Reducers



Viega ProPress reducer
Smart Connect technology
 - For use with Viega ProPress stainless tubing
 - 316 stainless steel
 - Street, press connection
Components
 EPDM sealing element
Model 4015.1

FTG (CTS)	P	Wt [lb]	Quantity	Part No	DG
¾	½	0.086	10	80160	9
1	½	0.121	10	80165	9
1	¾	0.135	10	80170	9
1¼	½	0.193	1	80175	9
1¼	¾	0.196	1	80180	9
1¼	1	0.216	1	80185	9
1½	½	0.282	1	80190	9
1½	¾	0.299	1	80195	9
1½	1	0.281	1	80200	9
1½	1¼	0.275	1	80205	9
2	½	0.409	1	80210	9
2	¾	0.410	1	80215	9
2	1	0.386	1	80220	9
2	1¼	0.397	1	80225	9
2	1½	0.514	1	80230	9



Viega ProPress reducer
Smart Connect technology

- For use with Viega ProPress stainless tubing
- 316 stainless steel
- Street, press connection

Components

EPDM sealing element

Note

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

Model 4015.1XL

FTG (CTS)	P	Wt [lb]	Quantity	Part No	DG
2½	2	0.780	1	80235	9
3	2	0.981	1	80240	9
3	2½	1.159	1	80245	9
4	2	1.455	1	80250	9
4	2½	1.609	1	80255	9
4	3	1.719	1	80260	9

Sealing Elements and Gaskets



Viega ProPress sealing element
EPDM

- For Viega ProPress CTS size fitting
- Model 2989**

d	Version	Wt [lb]	Quantity	Part No	DG
½	shiny black	0.001	10	78242	8
¾	shiny black	0.002	10	78247	8
1	shiny black	0.002	10	78252	8
1¼	shiny black	0.003	10	78257	8
1½	shiny black	0.005	10	78262	8
2	shiny black	0.007	10	78267	8



Viega ProPress sealing element
EPDM

- For Viega ProPress CTS XL size fitting
- Model 2989XL**

d	Version	Wt [lb]	Quantity	Part No	DG
2½	shiny black	0.012	1	78268	8
3	shiny black	0.014	1	78269	8
4	shiny black	0.017	1	78270	8



Viega ProPress sealing element
FKM

- For Viega ProPress CTS size fitting
- Model 2986**

d	Version	Wt [lb]	Quantity	Part No	DG
½	dull black	0.003	5	17768	8
¾	dull black	0.005	5	17778	8
1	dull black	0.006	5	17788	8
1¼	dull black	0.001	5	17803	8
1½	dull black	0.010	5	17818	8
2	dull black	0.013	5	17823	8



Viega ProPress sealing element
FKM

- For Viega ProPress CTS size fitting
- Model 0186XL**

d	Version	Wt [lb]	Quantity	Part No	DG
2½	dull black	0.017	5	85995	9
3	dull black	0.021	5	85996	9
4	dull black	0.027	5	85997	9



Viega ProPress sealing element
HNBR

- For Viega ProPress CTS size fitting

Note

HNBR sealing elements may NOT be installed in ProPress systems that require ANSI/CSA LC-4 approval for natural gas or propane gas applications.

Model 0687

d	Version	Wt [lb]	Quantity	Part No	DG
½	yellow	0.002	10	21023	8
¾	yellow	0.003	10	21028	8
1	yellow	0.004	10	21033	8
1¼	yellow	0.005	10	21038	8
1½	yellow	0.010	10	21043	8
2	yellow	0.009	10	21048	8



Viega ProPress flat gasket
EPDM

- For Viega ProPress di-electric unions
- Model 2963.9**

d	Version	Wt [lb]	Quantity	Part No	DG
½		0.004	10	15559	8
¾, 1		0.003	10	15569	8
1¼		0.005	10	15549	8
1½		0.005	10	15544	8
2		0.009	10	15564	8

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
2½	½	4	½, ¾, 1, 1¼, 1½	0.871	1	19748	8
2¾	⅝	4	2, 2½, 3	1.572	1	19758	8
2¾	⅝	8	4	3.141	1	19763	8

