

Connected in quality.

VIEGA MEGAPRESS® FOR MARINE

POCKET GUIDE



Viega.

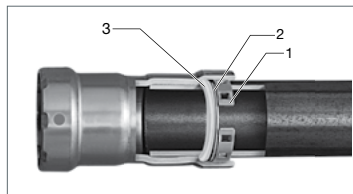
Connected in quality.

Building on Tradition

Founded 125 years ago, Viega is a privately owned international group of companies. In the United States, Canada, Mexico, and Latin America, Viega specializes in plumbing, heating, and pipe-joining technologies. The values of Viega's founder, Franz-Anselm Viegener, are just as present today as they were when he started the company in 1899. Courage, passion, and innovative spirit are still the basics of Viega's foundation.

At Viega, safety is priority.

Safe, certain, and secure, Viega fittings are designed for peace of mind



1. In MegaPress, MegaPress FKM, and MegaPressG fittings, the 420 stainless steel grip ring's teeth cut into the pipe and lock the fitting securely in place.

2. For ½" to 2" fittings, a 304 stainless steel separator ring protects the sealing element from damage by creating a positive physical separation during installation. For 2½" to 4" fittings, a PBT (Polybutylene Terephthalate) separator ring for MegaPress and MegaPress FKM fittings and a graphite separator ring for MegaPressG protects the sealing element.
3. Viega offers three different sealing elements to suit virtually any application: EPDM, HNBR, and FKM. They all ensure water-tight or air-tight connections.

In all MegaPress fittings, Viega's unique Smart Connect technology helps installers ensure that they have pressed all connections.



This document is subject to updates. For the most current Viega technical literature, please visit www.viega.us.



For questions about Viega press fittings systems and their approved applications, please contact Viega Technical Services Department at techsupport@viega.us.



A green dot on a Viega MegaPress fitting indicates Smart Connect® technology with an EPDM sealing element. A white dot on a Viega MegaPress FKM fitting indicates Smart Connect technology with an FKM sealing element. A yellow dot on a Viega MegaPressG fitting indicates Smart Connect technology with an HNBR sealing element. For a current list of applications, please see the [Applications Chart](#).

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DANGER!

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



Viega products must be installed by trained installers. MegaPress credential training is provided at no cost by Viega and is recommended every two years. Please contact Viega to arrange credential training on-site or at our training facility. **Installation by non-professionals may void Viega LLC's warranty.**

MegaPress, MegaPress FKM, and MegaPressG Systems

Viega MegaPress systems are state-of-the-art Iron Pipe Size (IPS) press fitting systems that provide an economical and reliable installation of schedule 5 to schedule 80 carbon steel pipes.

Viega MegaPress fittings and valves are constructed of carbon steel with a corrosion-resistant zinc/nickel coating ranging from ½" to 2" for MegaPress and ½" to 4" for MegaPress FKM and MegaPressG.

Viega MegaPress systems can help reduce installation time up to 90 percent compared to traditional methods of pipe joining. Threading and welding can be messy and time consuming, and connections are not always reliable. With Viega press technology, installers can make consistent, secure press connections in a matter of seconds without flame or heavy equipment.

The fittings require no soldering or welding and are installed with electrohydraulic press tools (battery-powered or corded press tools).

Smart Connect Technology – Security Under Pressure

Locating unpressed connections is an important step in the pressure-testing process. Viega MegaPress fittings include Smart Connect technology, providing quick and easy identification of unpressed connections during a pressure test.

Smart Connect technology is a design of the fitting, providing a path for liquids and/or gases from inside the system past the sealing element of an unpressed connection. When pressed according to our Product Instructions, the fluid path is altered, creating a reliable, leakproof connection.

Unpressed connections are located by pressurizing the system with air or water. When testing with water, the proper pressure range is 15 to 85 psi. Pressure testing with air can be dangerous at high pressures. When testing with compressed air, the proper pressure range is ½ to 45 psi. Following a successful Smart Connect test, the system may be pressure tested up to 600 psi maximum for water and 200 psi maximum for air if required by local code requirements.



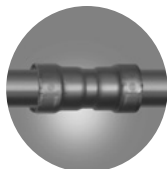
Testing for unpressed connections using Smart Connect is not a replacement for pressure-testing requirements of local codes and standards.



1 Identify an unpressed connection during pressure testing when water flows past the sealing element.



2 Upon identification, use the press tool to press the fitting, making a secure, leak-proof connection.



3 Viega MegaPress connections are fast, flameless, and reliable.

Viega MegaPress Fittings for Marine



MegaPress for Marine is a system designed for use in a variety of marine and offshore applications. It requires no threading, welding,

or grooving and poses no fire hazard. The press fittings are installed with a hand-held hydraulic pressing tool. MegaPress for Marine fittings are available in elbows, couplings, reducers, tees, adapters, unions, caps, and flanges in sizes ½" to 2".

Advantages

- Up to 90% time savings
- Lowest overall installed cost
- Marine approved joining technology
- Technical field support
- No hot work, fire permit, or chemist required
- Compatible with Metric DM spec and Inch IPS size pipe
- 3-piece ball valves available
- Approved for use with galvanized pipe

Components

- Alloy: carbon steel corrosion-resistant zinc/nickel coating
- EPDM sealing element
- 420 stainless steel bite ring
- 304 stainless steel separator ring

Operating Parameters

- Operating Pressure: 232 psi M.A.W.P.
- Test Pressure: 600 psi max
- Operating Temperatures: 14°F to 230°F (-10°C to 110°C)

Operating temperatures dependent on EPDM sealing element.

Listings and Certificates

Marine:

- ABS type approval
- BV: Bureau Veritas
- DNV-GL
- Lloyd's Register
- RINA
- USCG Acceptance Letter

Land based:

- FM Class 1920
- IAPMO/ANSI/CAN Z1117
- ICC LC1002
- TSSA/B31
- UL 213

Marine and land certified to ASTM F3226

Compliant With

- ASME B31, B31.1, B31.3, B31.9
- IACS P2.11.5
- ISO 9001 Quality Management System Certification
- ISO 19921, 19922 Fire Resistance Test

Marine and Offshore Applications

- Hydronic heating
- Vacuum
- Fire sprinkler
- Fire-main (wet or dry)
- Cooling water
- Low-pressure steam
- Bilge, ballast, scuppers
- Compressed air: service and control air (if no oil content)

Shipbuilding Rules

MegaPress system conforms to the following:

- ABS Steel Vessel Rules
- United States Coast Guard
- International Association of Classification Societies
 - Requirements concerning pipes and pressure vessels

Refer to specific type approval for list of applicable systems and conditions. For use in Class III pipe components for media in accordance with section 4.6.2 Table 9 and 10 of the ABS Steel Vessel Rules for compression couplings. The fittings are an approved fire-resistant type.

MegaPress for Marine fittings are designed for use in piping systems utilizing ASTM A53 or ASTM A106 pipe, either Grade A or B. The pipe wall thickness may be Schedule 10 or Schedule 40. The fittings may also be used with Schedule 80 pipe limited to the maximum pressure listed here. MegaPress fittings are also compatible with DIN 10255, DIN 10216, and DIN 10217 metric pipe.

Recommended Tools

- Standard-size press tool (minimum hydraulic ram output of 7,200 lbs.)
- #56013 MegaPress jaw/ring kit (½" to 2")
- #26200 MegaPress XL PressBooster with 2½" press ring
- #57078 MegaPress XL 3" and 4" press ring kit
- #57081 Z3 Actuator with 2½" press ring (must be used with press gun with minimum 80mm press stroke)

Viega MegaPress FKM Fittings for Marine



MegaPress FKM for Marine is a carbon steel system designed for use in a variety of marine and offshore applications. It requires no threading, welding,

or grooving and poses no fire hazard. The press fittings are installed with a hand-held hydraulic pressing tool. MegaPress FKM for Marine fittings are available in sizes ½" to 4".

Advantages

- Up to 90% time savings
- Lowest overall installed cost
- Marine approved joining technology
- Technical field support
- No hot work, fire permit, or chemist required
- Compatible with Metric DM spec and Inch IPS size pipe
- 3-piece ball valves available
- Approved for use with galvanized pipe

Components

- Alloy: zinc/nickel coated carbon steel body
- FKM sealing element
- 420 stainless steel bite ring
- 304 stainless steel separator ring for ½" to 2" fittings
- PBT separator ring for 2½" to 4" fittings

Operating Parameters

- Operating Pressure: 232 psi M.A.W.P.
- Test Pressure: 600 psi max
- Operating Temperatures: 23°F to 284°F (-5°C to 140°C) (with temperature spikes up to 356°F)

Operating temperatures dependent on FKM sealing element.

Listings and Certificates

- | | |
|--------------------------|-----------------|
| Marine: | Land based: |
| ■ ABS type approval | ■ FM Class 1920 |
| ■ BV: Bureau Veritas | ■ IAPMO/ANSI/ |
| ■ DNV-GL | CAN Z1117 |
| ■ Lloyd's Register | ■ ICC LC1002 |
| ■ RINA | ■ TSSA/B31 |
| ■ USCG Acceptance Letter | ■ UL 213 |

Marine and land certified to ASTM F3226

Compliant With

- ASME B31, B31.1, B31.3, B31.9
- IACS P2.11.5
- ISO 9001 Quality Management System Certification
- ISO 19921, 19922 Fire Resistance Test

Marine and Offshore Applications

- | | |
|--------------------------|--|
| ■ Sanitary drains | ■ Low-pressure steam |
| ■ Vacuum | ■ Foam, bilge, ballast, scuppers |
| ■ Fire sprinkler | ■ Compressed air including service and control air |
| ■ Fire-main (wet or dry) | |
| ■ Cooling water | |

Shipbuilding Rules

MegaPress system conforms to the following:

- ABS Steel Vessel Rules
- United States Coast Guard
- International Association of Classification Societies
 - Requirements concerning pipes and pressure vessels

Refer to specific type approval for list of applicable systems and conditions. For use in Class III pipe components for media in accordance with section 4.6.2 Table 9 and 10 of the ABS Steel Vessel Rules for compression couplings. The fittings are an approved fire-resistant type.

MegaPress FKM for Marine fittings are designed for use in piping systems utilizing ASTM A53 or ASTM A106 pipe, either Grade A or B. The pipe wall thickness may be Schedule 10 or Schedule 40. The fittings may also be used with Schedule 80 pipe limited to the maximum pressure listed here. MegaPress fittings are also compatible with DIN 10255, DIN 10216, and DIN 10217 metric pipe.

Recommended Tools

- Standard-size press tool (minimum hydraulic ram output of 7,200 lbs.)
- #56013 MegaPress jaw/ring kit (½" to 2")
- #26200 MegaPress XL PressBooster with 2½" press ring
- #57078 MegaPress XL 3" and 4" press ring kit
- #57081 Z3 Actuator with 2½" press ring (must be used with press gun with minimum 80mm press stroke)

Viega MegaPressG Fittings for Marine



MegaPressG for Marine is a carbon steel, cold press system designed for use in a variety of marine and offshore applications. It requires

no threading, welding, or grooving and poses no fire hazard. The press fittings are installed with a hand-held hydraulic pressing tool. MegaPressG for Marine fittings are available in elbows, couplings, reducers, tees, adapters, unions, caps, and flanges in sizes 1/2" to 4".

Advantages

- Up to 90% time savings
- Lowest overall installed cost
- Marine approved joining technology
- Technical field support
- No hot work, fire permit, or chemist required

Components

- Alloy: carbon steel with corrosion-resistant zinc/nickel coating
- HNBR sealing element
- 420 stainless steel bite ring
- 304 stainless steel separator ring for 1/2" to 2" fittings
- Graphite separator ring for 2 1/2" to 4" fittings

Operating Parameters

- Operating Pressure: 232 psi M.A.W.P.
- Test Pressure: 600 psi max
- Operating Temperatures: 40° F to 180° F (-40° C to 82° C)
(with temperature spikes up to 356° F)
Operating temperatures dependent on HNBR sealing element.

Listings and Certificates

- | | |
|--------------------------|--------------------|
| Marine: | Land based: |
| ■ ABS type approval | ■ ANSI LC-4 / CSA |
| ■ BV: Bureau Veritas | 6.32 |
| ■ DNV-GL | ■ IAPMO LC-4 |
| ■ Lloyd's Register | ■ ICC LC-4 |
| ■ RINA | ■ TSSA/B31 |
| ■ USCG Acceptance Letter | |
- Marine and land certified to ASTM F3226

Compliant With

- ASME B31, B31.1, B31.3, B31.9
- IACS P2.11.5
- ISO 9001 Quality Management System Certification
- ISO 19921, 19922 Fire Resistance Test

Marine and Offshore Applications

- | | |
|------------------|---------------|
| ■ Compressed air | ■ Cargo oil |
| ■ Fuel oil | ■ Crude oil |
| ■ Lube oil | ■ Thermal oil |
| ■ Hydraulic oil | ■ Vent lines |

Shipbuilding Rules

MegaPress system conforms to the following:

- ABS Steel Vessel Rules
- United States Coast Guard
- International Association of Classification Societies
 - Requirements concerning pipes and pressure vessels

Refer to specific type approval for list of applicable systems and conditions. For use in Class III pipe components for media in accordance with section 4.6.2 Table 9 and 10 of the ABS Steel Vessel Rules for compression couplings. The fittings are an approved fire-resistant type.

MegaPressG for Marine fittings are designed for use in piping systems utilizing ASTM A53 or ASTM A106 pipe, either Grade A or B. The pipe wall thickness may be Schedule 10 or Schedule 40. The fittings may also be used with Schedule 80 pipe limited to the maximum pressure listed here. MegaPress fittings are also compatible with DIN 10255, DIN 10216, and DIN 10217 metric pipe.

Recommended Tools

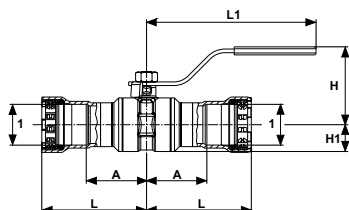
- Standard-size press tool (minimum hydraulic ram output of 7,200 lbs.)
- #56013 MegaPress jaw/ring kit (1/2" to 2")
- #26200 MegaPress XL PressBooster with 2 1/2" press ring
- #57078 MegaPress XL 3" and 4" press ring kit
- #57081 Z3 Actuator with 2 1/2" press ring (must be used with press gun with minimum 80mm press stroke)

Viega MegaPress Ball Valve, Model 4870

The MegaPress carbon steel ball valve is equipped with a full port, zinc-nickel-coated carbon steel body and press ends. The ball valve features an EPDM sealing element, a 420 stainless grip ring, a 304 stainless separator ring, EPDM stem seals, a locking metal handle, and Viega's Smart Connect technology for easy identification of unpressed connections during pressure testing.

Features

- 316 stainless steel ball
- Body material designation: CS 1.0553
- Eco Brass® blowout-proof stem
- Lockable metal handle
- Reinforced PTFE seats
- Smart Connect technology



Ratings

- Temperature Range: 0°F to 250°F
- Max. Operating Pressure: 250 CWP

Approvals

- Conforms to MSS SP-110
- ASME B31
- IAPMO/ANSI Z1157

Recommended Tools

- Standard-size press tool (minimum hydraulic ram output of 7,200 lbs.)
- #56013 MegaPress jaw/ring kit

Part No.	Size (in)	A (in)	L (in)	L1 (in)	H (in)	H1 (in)
	1					
28915	1/2	1.535	2.618	4.567	1.992	0.634
28920	3/4	1.638	2.795	4.567	2.102	0.748
28925	1	1.811	3.157	5.768	2.469	0.878
28930	1 1/4	1.976	3.795	5.768	2.709	1.142
28935	1 1/2	2.142	4.012	6.122	3.016	1.358
28940	2	2.382	4.370	6.122	3.315	1.654

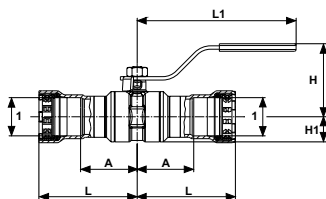
Valve Size (in)	Valve Stem Nut Size	Stem Nut ft/lbs	Stem Nut (Nm)	Cv (US gal/min)
1/2	M8	3.7 to 7.5	5 to 10	15.5
3/4	M8	3.7 to 7.5	5 to 10	33.4
1	M8	3.7 to 7.5	5 to 10	46.4
1 1/4	M8	3.7 to 7.5	5 to 10	93.5
1 1/2	M8	3.7 to 7.5	5 to 10	124
2	M8	3.7 to 7.5	5 to 10	246

Viega MegaPress FKM Ball Valve, Models 5970 and 5970XL

The MegaPress FKM carbon steel ball valve is equipped with a full port, zinc-nickel-coated carbon steel body and press ends. The ball valve features an FKM sealing element, a 420 stainless steel grip ring, a 304 stainless separator ring, FKM stem seals, a locking metal handle, and Viega's Smart Connect technology for easy identification of unpressed connections during pressure testing.

Features

- 316 stainless steel ball
- Body material designation: CS 1.0553
- Eco Brass blowout-proof stem
- Lockable metal handle
- Reinforced PTFE seats
- Smart Connect technology
- ISO 5211 mounting pad (for 2½", 3", and 4" only)



Part No.	Size (in)	A (in)	L (in)	L1 (in)	H (in)	H1 (in)
FKM 1	1					
28945	½	1.535	2.618	4.567	1.992	0.634
28950	¾	1.638	2.795	4.567	2.102	0.748
28955	1	1.811	3.157	5.768	2.469	0.878
28960	1¼	1.976	3.795	5.768	2.709	1.142
28965	1½	2.142	4.012	6.122	3.016	1.358
28970	2	2.382	4.370	6.122	3.315	1.654
86790	2½	3.720	5.520	11.09	5.130	2.390
86795	3	4.070	6.400	11.09	5.520	2.800
86800	4	4.670	7.840	13.06	6.700	3.450

Ratings

- Temperature Range: 14°F to 284°F (with temperature spikes up to 365°F)
- Max. Operating Pressure ½" to 2": 250 CWP
- Max. Operating Pressure 2½" to 4": 200 CWP

Approvals

- Conforms to MSS SP-110
- ASME B31
- APMO/ANSI Z1157

Recommended Tools

For ½" to 2":

- Standard-size press tool (minimum hydraulic ram output of 7,200 lbs.)
- #56013 MegaPress jaw/ring kit (½" to 2")

For 2½" to 4":

- Standard-size press tool (minimum hydraulic ram output of 7,200 lbs.) for use with the PressBooster
- #26200 MegaPress XL PressBooster with 2½" press ring
- #57078 MegaPress XL 3" and 4" press ring kit
- #57081 Z3 Actuator with 2½" press ring (must be used with press gun with minimum 80mm press stroke)

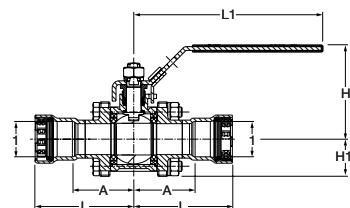
Valve Size (in)	Valve Stem Nut Size	Stem Nut ft/lbs	Stem Nut (Nm)	Cv (US gal/min)
½	M8	3.7 to 7.5	5 to 10	15.5
¾	M8	3.7 to 7.5	5 to 10	33.4
1	M8	3.7 to 7.5	5 to 10	46.4
1¼	M8	3.7 to 7.5	5 to 10	93.5
1½	M8	3.7 to 7.5	5 to 10	124
2	M8	3.7 to 7.5	5 to 10	246
2½	M8	22.1 to 44.3	30 to 60	403
3	M8	22.1 to 44.3	30 to 60	606
4	M8	22.1 to 44.3	30 to 60	1,049

Viega MegaPress 3-Piece Ball Valve, Model 4875.8

The MegaPress EPDM 3-piece carbon steel ball valve is equipped with a full port, 316 stainless steel 3-piece body, and zinc-nickel-coated steel press ends. The ball valve features an EPDM sealing element, a 420 stainless grip ring, a 304 stainless separator ring, PTFE stem seals, a locking metal handle, and Viega's Smart Connect technology for easy identification of unpressed connections during pressure testing.

Recommended Tools

- Standard-size press tool (minimum hydraulic ram output of 7,200 lbs.)
- #56013 MegaPress jaw/ring kit



Features

- 316 stainless steel ball
- Blowout-proof 316 stainless steel stem
- 304 stainless steel locking handle
- Adjustable packing nut
- Reinforced PTFE seats
- Smart Connect technology
- ISO 5211 mounting pad

Ratings

- Temperature Range: 14°F to 230°F (-10°C to 110°C)
- Max. Operating Pressure: 232 CWP

Approvals

- Conforms to MSS SP-110
- ASME B31
- IAPMO Z1157

Part No.	Size (in)	A (in)	L (in)	L1 (in)	H (in)	H1 (in)
	1					
28500	1/2	1.72	2.80	5.88	2.85	1.04
28501	3/4	1.91	3.06	5.88	2.93	1.16
28502	1	2.19	3.54	7.54	3.33	1.40
28503	1 1/4	2.50	4.31	7.54	3.57	1.57
28504	1 1/2	2.92	4.79	7.54	3.89	1.83
28505	2	3.09	5.07	7.54	3.89	1.83

Valve Size (in)	Valve Body Bolt & Nut Size		Bolt Torque +/- 5		Valve Stem Nut Size	Stem Nut	
			ft/lbs	(Nm)		ft/lbs	(Nm)
½	M8 x 55	M8	7.5	(10)	AF 16 mm	7.5	10
¾	M8 x 65	M8	15	(20)	AF 18 mm	11	15
1	M10 x 75	M10	15	(20)	AF 21 mm	11	15
1¼	M10 x 90	M10	22.5	(30)	AF 22 mm	18.5	25
1½	M10 x 100	M10	22.5	(30)	AF 24 mm	18.5	25
2	M10 x 100	M10	22.5	(30)	AF 24 mm	18.5	25

Viega MegaPress FKM 3-Piece Ball Valve, Models 5975.8, 5975.8XL

The MegaPress FKM 3-piece carbon steel ball valve is equipped with a full port, 316 stainless steel 3-piece body and zinc-nickel-coated steel press ends. The ball valve features an FKM sealing element, a 420 stainless grip ring, a 304 stainless separator ring, PTFE stem seals, a locking metal handle, and Viega's Smart Connect technology for easy identification of unpressed connections during pressure testing.

Features

- 316 stainless steel ball
- Blowout-proof 316 stainless steel stem
- 304 stainless steel locking handle
- Adjustable packing nut
- Reinforced PTFE seats
- Smart Connect technology
- ISO 5211 mounting pad

Ratings

- Operating Temperatures: 14°F to 284°F (with temperature spikes up to 356°F)
- Max. Operating Pressure ½" to 2": 250 CWP
- Max. Operating Pressure 2½" to 4": 200 CWP

Valve Size (in)*	Valve Body Bolt & Nut Size	Bolt Torque +/- 5 ft/lbs (Nm)	Valve Stem Nut Size	Stem Nut ft/lbs (Nm)
½	M8 x 55	M8 7.5 (10)	AF 16 mm	7.5 10
¾	M8 x 65	M8 15 (20)	AF 18 mm	11 15
1	M10 x 75	M10 15 (20)	AF 21 mm	11 15
1¼	M10 x 90	M10 22.5 (30)	AF 22 mm	18.5 25
1½	M10 x 100	M10 22.5 (30)	AF 24 mm	18.5 25
2	M10 x 100	M10 22.5 (30)	AF 24 mm	18.5 25
2½	M12 x 140	M14 45 (60)	AF 30 mm	26 (35)
3	M12 x 140	M14 45 (60)	AF 30 mm	26 (35)
4	M12 x 140	M14 45 (60)	AF 30 mm	26 (35)

*Sizes up to 3" have 4-bolt flanges; 4" has 6-bolt flanges.

Approvals

- Conforms to MSS SP-110
- ASME B31
- IAPMO Z1157

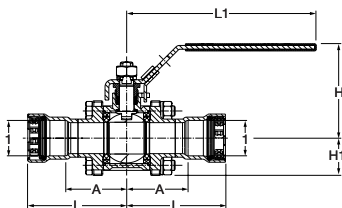
Recommended Tools

For ½" to 2":

- Standard-size press tool (minimum hydraulic ram output of 7,200 lbs.)
- #56013 MegaPress jaw/ring kit (½" to 2")

For 2½" to 4":

- Standard-size press tool (minimum hydraulic ram output of 7,200 lbs.) for use with the PressBooster
- #26200 MegaPress XL PressBooster with 2½" press ring
- #57078 MegaPress XL 3" and 4" press ring kit
- #57081 Z3 Actuator with 2½" press ring (must be used with press gun with minimum 80mm press stroke)



Part No.	Size (in)*	A (in)	L (in)	L1 (in)	H (in)	H1 (in)
EPDM FKM 1						
28500 86400	½	1.72	2.80	5.88	2.85	1.04
28501 86405	¾	1.91	3.06	5.88	2.93	1.16
28502 86410	1	2.19	3.54	7.54	3.33	1.40
28503 86415	1¼	2.50	4.31	7.54	3.57	1.57
28504 86420	1½	2.92	4.79	7.54	3.89	1.83
28505 86425	2	3.09	5.07	7.54	3.89	1.83
NA 86680	2½	3.74	5.54	11.06	5.08	2.28
NA 86685	3	4.37	6.67	11.06	5.47	2.68
NA 86690	4	4.88	8.06	13.07	6.89	3.79

*Sizes up to 3" have 4-bolt flanges; 4" has 6-bolt flanges.

Viega MegaPressG Ball Valve, Model 6675

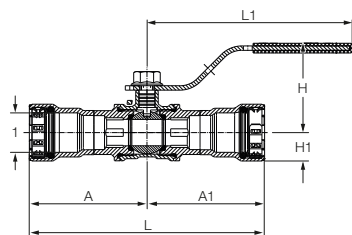
The MegaPressG ball valve, model 6675, comes equipped with a full port silicon bronze body, a 316 stainless steel ball, and zinc-nickel-coated steel press ends. The ball valve is P x P and features an HNBR sealing element, a 420 SST grip ring, a 304 separator ring, and Viega's Smart Connect technology for easy identification of unpressed connections during pressure testing.

Features

- 316 stainless steel ball
- Lockable metal handle
- Double stem seal
- Reinforced PTFE seats
- Smart Connect technology

Ratings

- Temperature Range: -40°F to 180°F
- Max. Operating Pressure: 125 psi for fuel gas applications, 250 psi for other approved applications (see Viega's [Application Chart](#))



Approvals

- Conforms to MSS SP-110
- ANSI LC 4/CSA 6.32
- ANSI LC 4a/CSA 6.32a
- ASME B31

Recommended Tools

- Standard-size press tool (minimum hydraulic ram output of 7,200 lbs.)
- #56013 MegaPress jaw/ring kit

Component	Material
Body	Bronze C87700
Ball	316 Stainless Steel
Seat	Reinforced PTFE
Stem Seals	FKM or HNBR
Nut	Zinc-Plated Steel
Handle	Zinc-Plated Steel
Handle Cover	Polyvinyl
Sealing Element	HNBR
Connection Ends	Zinc-Nickel-Coated Steel
Grip Ring	420 Stainless Steel
Separator Ring	304 Stainless Steel

Part No.	Size (in)	A (in)	A1 (in)	L (in)	L1 (in)	H (in)	H1 (in)
	1						
30600	1/2	2.62	2.62	5.24	4.57	1.99	0.63
30605	3/4	2.80	2.80	5.59	4.57	2.10	0.77
30610	1	3.16	3.16	6.31	5.77	2.46	0.91
30615	1 1/4	3.78	3.78	7.55	5.77	2.69	1.14
30620	1 1/2	3.98	3.98	7.97	6.12	3.02	1.36
30625	2	4.35	4.35	8.70	6.12	3.31	1.65

Viega MegaPressG Ball Valve, Model 6675XL

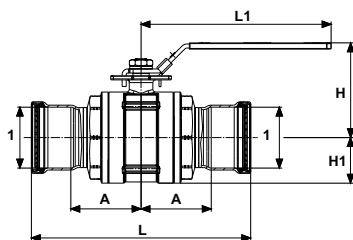
The MegaPressG ball valve comes equipped with a full port zinc-nickel-coated carbon steel body, press ends, and a plated ball. The ball valve is P x P and features an HNBR sealing element, a 420 SST grip ring, a graphite separator ring, and Viega's Smart Connect technology for easy identification of unpressed connections during pressure testing.

Features

- Chromium-plated ball
- Lockable stainless steel handle
- Double stem HNBR seal
- Reinforced PTFE seats
- Smart Connect technology

Ratings

- Temperature Range: -40°F to 180°F
- Max. Operating Pressure: 125 psi for fuel gas applications, 250 psi for other approved applications (see Viega's [Application Chart](#))



Approvals

- Conforms to MSS SP-110
- ANSI LC 4/CSA 6.32
- ANSI LC 4a/CSA 6.32a
- ASME B31

Recommended Tools

- Standard-size press tool (minimum hydraulic ram output of 7,200 lbs.) for use with the PressBooster
- #26200 MegaPress XL PressBooster with 2½" press ring
- #57078 MegaPress XL 3" and 4" press ring kit
- #57081 Z3 Actuator with 2½" press ring (must be used with press gun with minimum 80mm press stroke)

Component	Material
Body	Zinc-Nickel-Coated Steel
Ball	Low Lead Brass Chromium Plated
Seat	Reinforced PTFE
Stem Seals	HNBR
Nut	Stainless Steel
Handle	Stainless Steel
Handle Cover	Polyvinyl
Sealing Element	HNBR
Connection Ends	Zinc-Nickel-Coated Steel
Grip Ring	420 Stainless Steel
Separator Ring	304 Stainless Steel

Part No.	Size (in)	A (in)	L (in)	L1 (in)	H (in)	H1 (in)
	1					
86840	2½	3.72	11.04	11.09	5.14	2.40
86845	3	4.07	12.80	11.09	5.54	2.80
86850	4	4.67	15.68	13.06	6.70	3.45

Viega MegaPressG Ball Valve, Model 6675.1

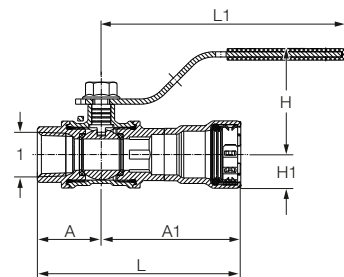
The MegaPressG ball valve, model 6675.1, comes equipped with a full port silicon bronze body, a 316 stainless steel ball, and zinc-nickel-coated steel connection ends. The ball valve is PxPFT and features an HNBR sealing element, a 420 SST grip ring, a 304 separator ring, and Viega's Smart Connect technology for easy identification of unpressed connections during pressure testing.

Features

- 316 stainless steel ball
- Lockable metal handle
- Double stem seal
- Reinforced PTFE seats
- Smart Connect technology

Ratings

- Temperature Range: -40°F to 180°F
- Max. Operating Pressure: 125 psi for fuel gas applications, 250 psi for other approved applications (see Viega's [Application Chart](#))



Approvals

- Conforms to MSS SP-110
- ANSI LC 4/CSA 6.32
- ANSI LC 4a/CSA 6.32a
- ASME B31

Recommended Tools

- Standard-size press tool (minimum hydraulic ram output of 7,200 lbs.)
- #56013 MegaPress jaw/ring kit

Component	Material
Body	Bronze C87700
Ball	316 Stainless Steel
Seat	Reinforced PTFE
Stem Seals	FKM or HNBR
Nut	Zinc-Plated Steel
Handle	Zinc-Plated Steel
Handle Cover	Polyvinyl
Sealing Element	HNBR
Connection Ends	Zinc-Nickel-Coated Steel
Grip Ring	420 Stainless Steel
Separator Ring	304 Stainless Steel

Part No.	Size (in)	A (in)	A1 (in)	L (in)	L1 (in)	H (in)	H1 (in)
	1						
30630	1/2	1.20	2.62	3.82	4.57	1.99	0.63
30635	3/4	1.36	2.80	4.15	4.57	2.10	0.77
30640	1	1.85	3.16	5.00	5.77	2.46	0.91
30645	1 1/4	1.87	3.78	5.64	5.77	2.69	1.14
30650	1 1/2	2.05	3.98	6.03	6.12	3.02	1.36
30655	2	2.43	4.35	6.78	6.12	3.31	1.65

Viega MegaPressG Ball Valve, Model 6675.2

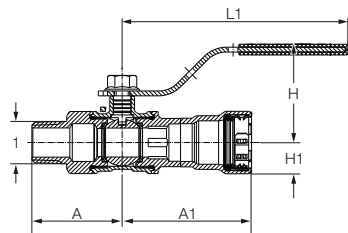
The MegaPressG ball valve, model 6675.2, comes equipped with a full port silicon bronze body, a 316 stainless steel ball, and zinc-nickel-coated steel connection ends. The ball valve is P×MPT and features an HNBR sealing element, a 420 SST grip ring, a 304 separator ring, and Viega's Smart Connect technology for easy identification of unpressed connections during pressure testing.

Features

- 316 stainless steel ball
- Lockable metal handle
- Double stem seal
- Reinforced PTFE seats
- Smart Connect technology

Ratings

- Temperature Range: -40°F to 180°F
- Max. Operating Pressure: 125 psi for fuel gas applications, 250 psi for other approved applications (see Viega's [Application Chart](#))



Approvals

- Conforms to MSS SP-110
- ANSI LC 4/CSA 6.32
- ANSI LC 4a/CSA 6.32a
- ASME B31

Recommended Tools

- Standard-size press tool (minimum hydraulic ram output of 7,200 lbs.)
- #56013 MegaPress jaw/ring kit

Component	Material
Body	Bronze C87700
Ball	316 Stainless Steel
Seat	Reinforced PTFE
Stem Seals	FKM or HNBR
Nut	Zinc-Plated Steel
Handle	Zinc-Plated Steel
Handle Cover	Polyvinyl
Sealing Element	HNBR
Connection Ends	Zinc-Nickel-Coated Steel
Grip Ring	420 Stainless Steel
Separator Ring	304 Stainless Steel

Part No.	Size (in)	A (in)	A1 (in)	L (in)	L1 (in)	H (in)	H1 (in)
	1						
30630	½	1.81	2.62	4.44	4.57	0.63	1.99
30635	¾	1.87	2.80	4.64	4.57	0.77	2.10
30640	1	2.53	3.16	5.69	5.77	0.91	2.46
30645	1¼	2.56	3.78	6.33	5.77	1.14	2.69
30650	1½	2.67	3.98	6.65	6.12	1.36	3.02
30655	2	2.92	4.35	7.28	6.12	1.65	3.31

Viega MegaPressG Ball Valve, Model 6675.3

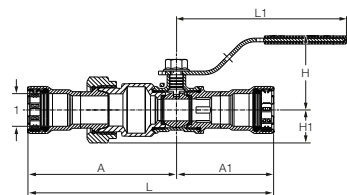
The MegaPressG ball valve, model 6675.3, comes equipped with a full port silicon bronze body, a 316 stainless steel ball, and zinc-nickel-coated steel press ends. The ball valve is PxGJ and features an HNBR sealing element, a 420 SST grip ring, a 304 separator ring, and Viega's Smart Connect technology for easy identification of unpressed connections during pressure testing.

Features

- 316 stainless steel ball
- Lockable metal handle
- Double stem seal
- Reinforced PTFE seats
- Smart Connect technology

Ratings

- Temperature Range: -40°F to 180°F
- Max. Operating Pressure: 125 psi for fuel gas applications, 250 psi for other approved applications (see Viega's [Application Chart](#))



Approvals

- Conforms to MSS SP-110
- ANSI LC 4/CSA 6.32
- ANSI LC 4a/CSA 6.32a
- ASME B31

Recommended Tools

- Standard-size press tool (minimum hydraulic ram output of 7,200 lbs.)
- #56013 MegaPress jaw/ring kit

Component	Material
Body	Bronze C87700
Ball	316 Stainless Steel
Seat	Reinforced PTFE
Stem Seals	FKM or HNBR
Nut	Zinc-Plated Steel
Handle	Zinc-Plated Steel
Handle Cover	Polyvinyl
Sealing Element	HNBR
Connection Ends	Zinc-Nickel-Coated Steel
Grip Ring	420 Stainless Steel
Separator Ring	304 Stainless Steel

Part No.	Size (in)	A (in)	A1 (in)	L (in)	L1 (in)	H (in)	H1 (in)
	1						
30690	1/2	4.00	2.62	6.62	4.57	1.99	0.89
30695	3/4	4.19	2.80	6.99	4.57	2.10	1.08
30700	1	4.53	3.16	7.69	5.77	2.46	1.18
30705	1 1/4	5.65	3.78	9.43	5.77	2.69	1.50
30710	1 1/2	5.59	3.98	9.57	6.12	3.02	1.50
30715	2	6.53	4.35	10.88	6.12	3.31	1.65

Viega MegaPress FKM Strainer Valve, Model 5981.1

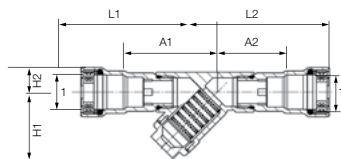
Viega MegaPress FKM Strainer is a strainer valve with a stainless-steel body, stainless-steel mesh, and MegaPress press ends. The valve features FKM sealing elements, a 420 stainless steel grip ring, a 304 stainless separator ring, and Viega's Smart Connect Technology for easy identification of unpressed connections during pressure testing.

Features

- PTFE gasket
- FKM sealing element
- MegaPress connections
- Smart Connect technology

Accessories

- Replacement 100 mesh – 5181.11



Ratings

- Temperature Range: 0°F to 250°F (with temperature spikes up to 284°F)
- Max Operating Pressure: 250 psi

Recommended Tools

- Standard-size press tool (minimum hydraulic ram output of 7,200 lbs.)
- #56013 MegaPress jaw/ring kit

Component	Material
Body	316 Stainless Steel
Cap Gasket	PTFE
Mesh	Stainless Steel
Cap	316 Stainless Steel
Screw-In Piece	Carbon Steel
Sealing Element	FKM

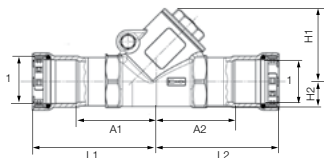
Part No.	Size (in)	H1 (in)	H2 (in)	L1 (in)	L2 (in)	A1 (in)	A2 (in)	Cv (US gal/min)
1								
87140	½	1.69	0.63	3.50	2.87	2.44	1.81	3.7
87145	¾	2.01	0.75	3.98	3.19	2.83	2.05	6.2
87150	1	2.52	0.91	4.72	3.50	3.39	2.17	8.3
87155	1¼	2.76	1.10	5.51	4.13	3.66	2.28	14.6
87160	1½	3.19	1.22	5.83	4.25	3.98	2.36	21.4
87165	2	3.54	1.46	6.61	4.57	4.61	2.60	33.4

Viega MegaPress FKM Swing Check Valve, Model 5974.2

Viega MegaPress FKM Swing Check Valve is a check valve with a brass body and MegaPress press ends. The valve features an FKM sealing elements, a 420 stainless steel grip ring, a 304 stainless separator ring, and Viega's Smart Connect® Technology for easy identification of unpressed connections during pressure testing.

Features

- Swing-style check
- PTFE gasket
- FKM sealing element
- MegaPress connections
- Smart Connect technology



Ratings

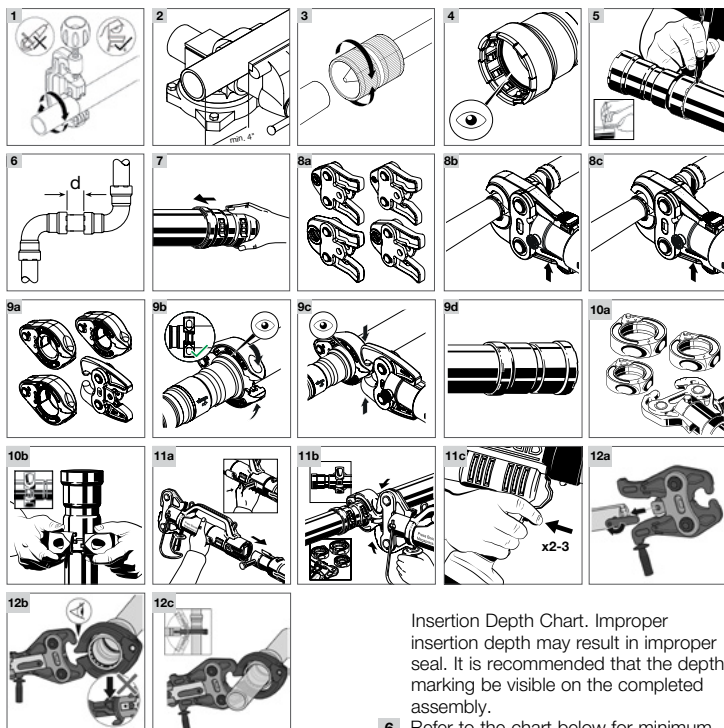
- Temperature Range: 0°F to 250°F (with temperature spikes up to 284°F)
- Max Operating Pressure: 250 psi

Recommended Tools

- Standard-size press tool (minimum hydraulic ram output of 7,200 lbs.)
- #56013 MegaPress jaw/ring kit

Component	Material
Body	Brass CB770S
Cap	Brass CW511L
Hanger	Brass CW511L
Pin	Brass CW509L
Seat Shutter	PTFE
Seat Cap	PTFE
Nut	316 Stainless Steel
Screw-In Piece	Carbon Steel
Sealing Element	FKM

Part No.	Size (in)	H1 (in)	H2 (in)	L1 (in)	L2 (in)	A1 (in)	A2 (in)	Cv (US gal/min)
1								
87200	½	1.65	0.63	3.07	3.07	0.47	2.01	5.50
87205	¾	1.97	0.75	3.35	3.35	0.55	3.35	9.50
87210	1	2.28	0.91	3.86	3.86	0.75	2.48	16.80
87215	1¼	2.72	1.10	4.57	4.57	0.91	2.76	27.50
87220	1½	2.72	1.10	4.57	4.57	0.91	2.76	40.80
87225	2	3.86	1.34	5.28	5.28	1.30	3.31	76.30

Viega MegaPress ½" to 4" Fittings


Insertion Depth Chart. Improper insertion depth may result in improper seal. It is recommended that the depth marking be visible on the completed assembly.

- 6** Refer to the chart below for minimum distance between fittings. To ensure a correct press, a minimum distance between press fittings must be maintained. Failure to provide this distance may result in an improper seal.

Pipe diameter (in)	d (in)	d (mm)
½	¼	6
¾	¼	6
1	¼	6
1¼	½	13
1½	½	13
2	½	13
2½	½	13
3	½	13
4	½	13

- 1 Cut pipe square using displacement-type cutter or fine-toothed saw.
- 2 Keep end of pipe a minimum of 4" away from the contact area of the vise to prevent possible damage to the pipe in the press area.
- 3 Remove burr from inside and outside of the pipe and prep to proper insertion depth using a preparation tool or fine-grit sandpaper.
- 4 Check seal, separator ring, and grip ring for correct fit. Do not use oils or lubricants.
- 5 Mark proper insertion depth as indicated by the Viega MegaPress

- 7** While turning slightly, slide fitting onto the pipe to the marked depth. End of pipe must contact stop.



Keep extremities and foreign objects away from press tool during pressing operation to prevent injury or incomplete press.

Pressing ½" to 1" Fittings

- 8a** Viega MegaPress ½" to 1" fitting connections must be performed with MegaPress jaws and rings.
- 8b** Open the MegaPress jaw and place at right angles on the fitting. Visually check insertion depth using mark on pipe.
- 8c** Start pressing process and hold the trigger until the jaw has engaged the fitting. Jaws will automatically release after a full press is made. Remove the MegaPress jaw from the fitting.

Pressing 1½" to 2" Fittings

- 9a** Viega MegaPress 1¼" to 2" fitting connections must be performed with MegaPress rings and V2 actuator.
- 9b** Open the MegaPress ring and place at right angles on the fitting. The MegaPress ring must be engaged on the fitting bead. Check insertion depth.
- 9c** Place V2 actuator onto the MegaPress ring and start pressing process. Hold the trigger until the actuator has engaged the MegaPress ring.
- 9d** Once the press is complete, release the V2 actuator from the MegaPress ring and then remove the MegaPress ring from the fitting.

Pressing 2½" to 4" Fittings

- 10a** Viega MegaPress 2½" to 4" fitting connections must be made using MegaPress XL rings and either the MegaPress XL PressBooster or the MegaPress Z3 actuator.
- 10b** Open MegaPress XL ring and place at right angles on the fitting. The MegaPress XL ring must be engaged on the fitting bead. Check insertion depth.

Pressing with MegaPress XL PressBooster

- 9** Remove the retaining bolt of the press machine. Slide the PressBooster in via the press jaw fixture. Slide the retaining bolt of the press machine in as far as it will go.
- 10** To open the PressBooster jaw, pull back the handle at the hinged adapter jaw. Place PressBooster onto the MegaPress XL ring by inserting the ball heads of the hinged adapter jaw into the contact points of the XL ring. Push the handle forward to close the hinged adapter jaw.
- 11** Hold the trigger until the actuator has engaged the MegaPress XL ring. The PressBooster requires two presses of the trigger to execute a complete press. A third press may be needed to initiate a release cycle to reset the rollers back to the original position.

Pressing with MegaPress Z3 Actuator

- 12** On the press tool, rotate the retaining pin handle 180 degrees and pull it out to open the slot for the actuator. Insert the Viega Z3 actuator into the slot on the press tool. On the press tool, push the retaining pin back in and rotate it 180 degrees.
- 13** Open the Viega Z3 actuator by pulling the handle back. Place the open Viega Z3 actuator onto the MegaPress XL ring by inserting the ball heads of the actuator into the contact points of the XL ring. Close the Z3 actuator.
- 14** Start the pressing process by holding the press tool trigger until the actuator has engaged the XL ring. When the press cycle is complete, the actuator will stop and release.

Approved Applications

Systems	Connection Type	MegaPress	MegaPress FKM	MegaPressG
		14° to 230° F (-10° to 110° C)	23° to 284° F (-5° to 140° C)	-40° to 180° F (-40° to 82° C)
	Compression Coupling	Pressure: -12.04 psi (Vacuum) to 232 psi, 170mbar absolute to 16bar, 1.6 MPa		
Flammable Fluids (Flash Point < 60C)				
Cargo oil lines	Yes		✓	✓
Crude oil washing lines	Yes		✓	✓
Vent lines	Yes		✓	✓
Inert Gas				
Water seal effluent lines	Yes		✓	✓
Scrubber effluent lines	Yes		✓	✓
Main lines	Yes		✓	✓
Distribution lines	Yes		✓	✓
Flammable Fluids (Flash Point > 60C)				
Cargo oil lines	Yes		✓	✓
Fuel oil lines	Yes		✓	✓
Lubricating oil lines	Yes		✓	✓
Hydraulic oil	Yes		✓	✓
Thermal oil	Yes		✓	✓
Sea Water				
Bilge lines	Yes	✓	✓	
Water-filled fire extinguishing systems (e.g., sprinkler systems)	Yes	✓	✓	
Non-water-filled fire extinguishing systems (e.g., foam, drencher systems)	Yes	✓	✓	✓
Fire main (not permanently filled)	Yes	✓	✓	
Ballast system	Yes	✓	✓	
Cooling water system	Yes	✓	✓	
Tank cleaning services	Yes	✓	✓	
Non-essential systems	Yes	✓	✓	
Fresh Water				
Cooling water system	Yes	✓	✓	✓
Condensate return	Yes	✓	✓	
Non-essential systems (non-potable)	Yes	✓	✓	✓
Sanitary/Drains/Scuppers				
Deck drains (internal)	Yes		✓	✓
Sanitary drains	Yes	✓	✓	✓
Scuppers and discharge (overboard)	Yes	✓	✓	✓
Sounding/Vent				
Water tanks/dry spaces	Yes	✓	✓	✓
Oil tanks (f.p. > 60°C)	Yes	✓	✓	✓
Miscellaneous				
Starting/control air	Yes		✓	✓
Service air (non-essential)	Yes		✓	✓
Brine	Yes	✓	✓	✓
CO2 system (oil concentration >25 mg/m3)	Yes	✓	✓	✓
Steam (up to 15 psi)	Yes		✓	

1 It is recommended that all systems be clearly labeled with the media being conveyed. For further information, refer to ISO 14726 or consult Viega Technical Services.

2 All Viega systems must be used with the manufacturer's recommended sealing element. Contact your local Viega representative or Viega Technical Services for specific application temperature, pressure, and concentration limits.

3 System temperature ranges depend on sealing element.

Seals and Gaskets for Marine

Viega Press Systems are manufactured with high quality sealing elements, installed at the factory.

EPDM Sealing Element

Operating temperature:
14°F to 230°F (-10°C to 110°C)

EPDM, or ethylene-propylene-diene rubber, is a synthetically manufactured and peroxidically cured all-purpose elastomer.

EPDM sealing elements are shiny black in color and possess excellent resistance to aging, ozone, sunlight, weathering, environmental influences, alkalis and most alkaline solutions along with chemicals used in a broad range of applications, including ketones. EPDM has particularly good resistance to hot water, making it ideal for seals and gaskets.

FKM Sealing Element

Operating temperature:
23°F to 284°F (-5°C to 140°)

Resistant to thermal spikes to 356°F (thermal spikes are temperature increases above maximum defined operating temperature for a duration of 24 hours or less).

FKM, is a fluoroelastomer or synthetic fluorinated rubber, specialty purpose elastomer.

FKM sealing elements are dull black in color, and possess excellent resistance to chemicals, higher temperatures, aging, ozone, sunlight, weathering, environmental influences, oils, and petroleum-based additives.

FKM's resistance to aggressive chemicals and higher operating temperatures makes it ideal for seals and gaskets in solar and industrial process applications.

HNBR Sealing Element

Operating temperature:
-40°F to 180°F (-40°C to 82°C)

HNBR, or Hydrogenated Nitrile Butadiene Rubber, is a specialty purpose compound used where resistance to petroleum-based additives are required.

HNBR sealing elements are yellow in color, and possess excellent physical strength and retention properties after long-term exposure to heat, oil, and chemicals.

HNBR sealing elements are used for applications of natural, propane, mixed, and manufactured gases as well as oils and lubricants.

HNBR's unique properties have resulted in wide adoption in automotive, industrial, and assorted high-performance applications.



WARNING!

Product line application guides and chemical compatibility matrix are not all inclusive.

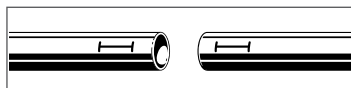


All sealing elements are installed using an H-1 food grade silicone oil lubricant registered with NSF, USDA and approved for use under FDA 21 CFR.

Refer to product line application guides or chemical compatibility matrix for general information, or call Viega Tech Services at 1-800-976-9819.

No-Stop Couplings

No-stop couplings and extended no-stop couplings are often used to conduct repairs. Without a stop, these couplings can slide completely onto a pipe and allow a connection to be made in tighter spaces. Unlike fittings with an integrated stop that have a minimum insertion depth, no-stop couplings have minimum and maximum allowable insertion depths. The minimum and the maximum insertion depths should be marked and a line should connect the two marks.



Viega MegaPress No-Stop Couplings

Pipe Diameter (in)	Minimum Insertion (in)	(mm)	Maximum Insertion (in)	(mm)
1/2	1 1/16	27	1 5/8	41
3/4	1 3/16	30	1 13/16	46
1	1 3/8	35	1 15/16	49
1 1/4	1 13/16	46	2 1/2	64
1 1/2	1 7/8	48	2 3/4	70
2	2	51	2 3/4	70
2 1/2	1 13/16	46	3 1/8	79
3	2 5/16	59	3 11/16	94
4	3 1/8	80	4 3/8	111

**Viega MegaPress
Extended No-Stop Couplings**

Pipe Diameter (in)	Minimum Insertion (in)	(mm)	Maximum Insertion (in)	(mm)
1/2	1 1/16	27	2 3/4	70
3/4	1 3/16	30	2	71
1	1 3/8	35	3	76
1 1/4	1 13/16	46	3 1/2	89
1 1/2	1 7/8	48	3	90
2	2	51	3	94

Welding

The following requirements must be considered when welding in the same vicinity as Viega MegaPress fittings.

Welding Requirements

The installer should take precautions to keep the MegaPress connection cool:

- Wrap the connection with a cold wet rag.
- Protect the connection with a weld blanket.
- Prefabricate solder connections/welded fittings prior to installing the press fitting. (Ensure pipe has cooled before installing the press fitting.)
- Apply heat sink gel or spray or spot freezing.

Welding Adjacent to a Press Fitting

To prevent damage to the sealing element, maintain proper welding distances from the fitting. If welding adjacent to the connection, weld a minimum of four inches away.

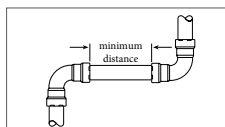
Welding In Line With a Press Fitting

To prevent damage to the sealing element, maintain proper welding distances from the fitting. If welding in line with the connection, weld a minimum of three feet away from the connection.

Minimum Distance Between MegaPress Connections

Viega MegaPress Minimum Distance

Pipe Diameter (in)	Minimum Distance (in)	(mm)
1/2	1/4	7
3/4	1/4	7
1	1/4	7
1 1/4	1/2	13
1 1/2	1/2	13
2	1/2	13
2 1/2	1/2	13
3	1/2	13
4	1/2	13



General Installation Notes

Transition Fittings – Threaded

Viega MegaPress systems can be joined with off-the-shelf threaded fittings made of non-ferrous metals. In this regard:

- The threaded connection is made first.
 - The press connection is made second.
- This process avoids unnecessary torsion on the press fitting.

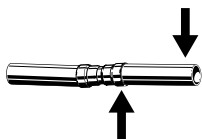
Transition Fittings – Flange

When using Viega flanges, bolt the flange end in place prior to pressing the fitting to the pipe.

Deflection

The pressing process can cause deflection (angular misalignment) to occur. When pressing Viega MegaPress fittings in a system, the deformation of the fitting is constant. This allows for a consistent leak-free joint every time and is a result of the pressing technique.

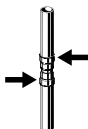
Deflection occurs in the same way for every fitting. The fitting being pressed will move in the direction of the jaw or ring opening.



- Since the fitting will deflect toward the opening of the jaw or ring, the pipe end will deflect in the opposite direction.
- By counteracting the fitting movement, one can minimize the deflection of the fitting and ultimately the pipe.
- When using strut and clamps, deflection is minimized and nearly eliminated depending on clamp spacing.

Controlling Deflection

Deflection while pressing can be minimized by utilizing the following installation practices.

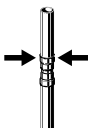
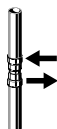


Alternate Press Directions

- Press one end of fitting.
- Make second press on other end of fitting from the opposite side.

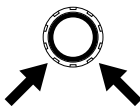
Push-Pull Method

- Rings = Push on press tool.
 - Jaws = Pull on press tool.
- The press tool can be feathered using the trigger as needed to apply pulling or pushing force to control deflection.












Re-Press

- Press the fitting, once on each side (that is, re-press the fitting a second time on the opposite side).
- Pressing the same connection from the opposite side will usually straighten misalignment between the pipe and fitting.



- When pressing overhead piping, it may be inconvenient to alternate sides for each press.
- The natural weight of the piping plus pressing on opposite sides at a 45-degree angle should adequately eliminate deflection.
- This technique can also be used for any horizontal piping and when working above the piping.

Viega MegaPress Pipe Preparation Guide

Description	Different kinds of pipe surface	Surface after prepping	Comments
Clean, bare pipe			If the pipe has no lacquer and there is no rust on the surface and the surface is smooth, no preparing is necessary.
Galvanized steel pipe			If the surface of the galvanized pipe is uneven, then the pipe surface must be smoothed.
Pipe with black shellac or lacquer			If the pipe is coated with black shellac or lacquer, the coating has to be smoothed. It is not necessary to completely remove the coating.
Pipe with rust			If the pipe has no lacquer and there is a rust film on the surface, the surface has to be prepped until the rust film is removed and the pipe surface is smooth.
Epoxy coating			The epoxy coating must be reduced to allow the pipe to be inserted into the fitting. If the pipe has been coated, the maximum external diameter must not exceed the limit in the Pipe Schedule table.
Cataphoretic paint (KTL)			If the pipe is cataphoretic painted (KTL) and the surface is smooth, it is not necessary to prep the pipe. If there are scratches on the KTL, the surface has to be smoothed.

Pipe surfaces for each type of pipe must be smooth, free of indentations (even and undamaged), pits, and deformations, and must be clean and free of dirt, debris, rust, scale, oil, and grease. It is not necessary to completely remove protective coatings or to expose the bare steel material.

Install MegaPress fittings on plain end pipe only. Pressing fittings directly over threads will result in an improper seal.

To avoid leak paths, engraved or stamped pipe shall not be used with the Viega MegaPress fitting system. Engraving or stamping shall not be removed through use of a grinder or other tool. Scratches or scuffs that may have occurred to the pipe during shipping and handling must be smoothed out to insure no leak path was created.

In systems where complete corrosion protection is required (e.g., cooling systems), apply suitable corrosion protection to the previously processed pipe surfaces that are still uncovered after pressing.

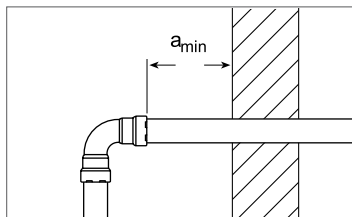
The Viega MegaPress system does not require lubrication of the pipe or the fitting.

Tool Clearances

Minimum distances should be taken into consideration during planning in order to avoid space constraints during installation.

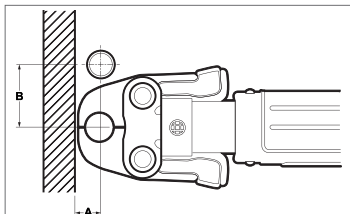
Ensure that the space required for system pressing tools is available if Viega MegaPress fittings will be installed immediately upstream or downstream from wall or floor penetrations.

MegaPress Distance Requirements for Press Jaws Between Pipes and Walls



Pipe Diameter	Minimum space requirement, a_{min} for press tools
	RIDGID RP 330-B, 330-C, and 340-B Press Tool
1/2" to 1"	1 1/2"
1 1/4" to 2"	3/8"
2 1/2" to 4"	3/8"

MegaPress Standard Jaws Clearance

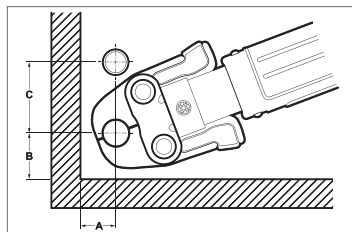


Pipe Diameter	A minimum	B minimum
1/2"	1	2 5/8"
3/4"	1 1/4"	3 1/8"
1"	1 3/4"	3 5/8"

MegaPress Compact Jaws Clearance

Pipe Diameter	A minimum	B minimum
1/2"	1 1/4"	2 3/8"
3/4"	1 1/8"	3"

MegaPress Standard Jaws Clearance Between Pipe, Wall, and Floor

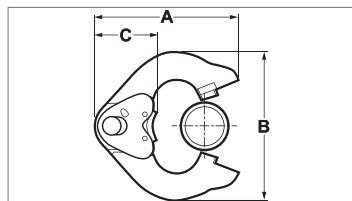


Pipe Diameter	A minimum	B minimum	C minimum
1/2"	1 1/4"	1 3/8"	3"
3/4"	1 1/2"	2 1/8"	3 1/2"
1"	2"	1 1/2"	4"

MegaPress Compact Jaws Clearance Between Pipe, Wall, and Floor

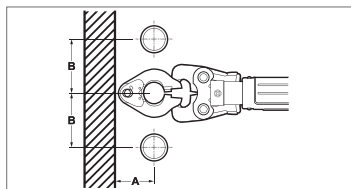
Pipe Diameter	A minimum	B minimum	C minimum
1/2"	1 1/2"	2 1/8"	3 1/8"
3/4"	1 3/8"	2 1/8"	3 3/8"

MegaPress Rings Dimensions



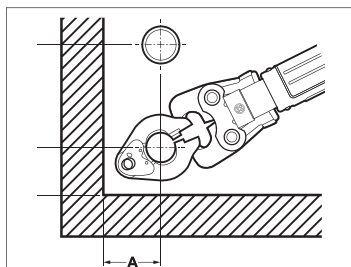
Pipe Diameter	A minimum	B minimum	C minimum
1 1/4"	6"	6 1/4"	2 1/2"
1 1/2"	6"	6 3/4"	2 5/8"
2"	6"	6 7/8"	2 1/2"
2 1/2"	5 5/8"	7 5/8"	2 1/2"
3"	7 1/2"	8 3/8"	2 1/2"
4"	8 1/2"	10 3/8"	2 5/8"

MegaPress Rings with V2/V3 Actuator Clearance



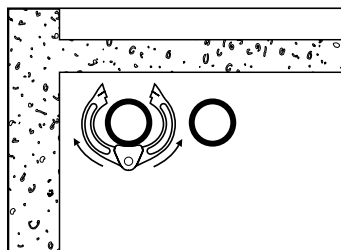
Pipe Diameter	A minimum	B minimum
1 1/4"	3 3/4"	4 7/8"
1 1/2"	4"	5 1/8"
2"	4"	5 3/8"
2 1/2"	4 1/2"	5 7/8"
3"	4 3/4"	6 3/4"
4"	5 5/8"	8 1/4"

MegaPress Rings with V2/V3 Actuator Clearance Between Pipe, Wall, and Floor

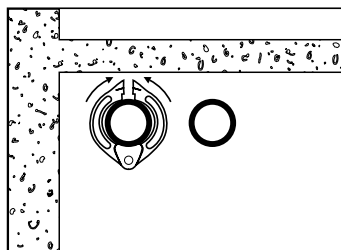


Pipe Diameter	A minimum	B minimum	C minimum
1 1/4"	3 3/4"	4 7/8"	3 3/4"
1 1/2"	4"	5 1/8"	4"
2"	4"	5 3/8"	4"
2 1/2"	4 1/2"	4"	5 7/8"
3"	4 3/4"	4 3/4"	6 3/4"
4"	5 5/8"	5 1/2"	8 1/4"

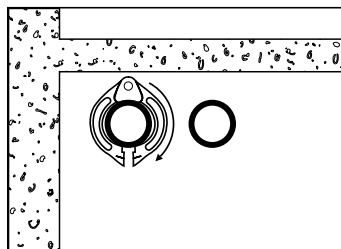
Pressing with Ring and Actuator in Tight Quarters



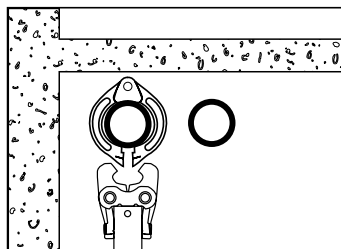
1. Wrap the actuator ring around the press fitting with the opening facing away from you.



2. Close the actuator tight around the fitting.



3. Rotate the actuator ring until the press jaw receptacle is facing toward you.



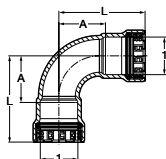
4. Properly insert press jaws and begin the press procedure.

Dimensional Documentation

MegaPress Fittings

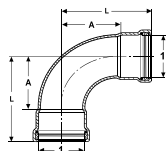


MegaPress 90° Elbow, Carbon Steel, P x P - Models 4816 / 5916 / 6616



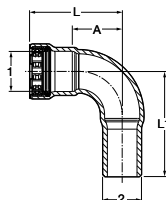
Part No.			Size (in)		A (in)		L (in)	
EPDM	FKM	HNBR	1	Dec	Frac	Dec	Frac	
25200	84305	25201	½	1.17	1 ⅜	2.24	2 ¼	
25205	84310	25206	¾	1.36	1 ⅝	2.52	2 ½	
25210	84315	25211	1	1.72	1 ¾	3.07	3 ⅜	
25215	84320	25216	1 ¼	2.00	2	3.82	3 ⅜	
25220	84325	25221	1 ½	2.26	2 ¼	4.13	4 ⅞	
25225	84330	25226	2	2.80	2 ⅜	4.78	4 ¾	

Viega MegaPress 90° Elbow P x P - Models 4816XL / 6616XL



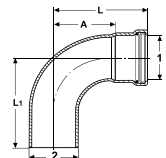
Part No.		Size (in)		A (in)		L (in)	
FKM	HNBR	1	Dec	Frac	Dec	Frac	
26500	28600	2 ½	4.15	4 ⅞	5.94	5 ⅝	
26505	28605	3	4.76	4 ¾	7.09	7 ⅜	
26510	28610	4	6.00	6	9.17	9 ⅜	

MegaPress 90° Elbow, Carbon Steel, P x FTG - Models 4816.1 / 5916.1 / 6616.1



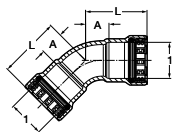
Part No.			Size (in)		A (in)		L (in)		L1 (in)	
EPDM	FKM	HNBR	1	2	Dec	Frac	Dec	Frac	Dec	Frac
26050	84875	26051	½ x ½		1.17	1 ⅜	2.24	2 ¼	2.56	2 ⅞
26055	84880	26056	¾ x ¾		1.36	1 ⅝	2.52	2 ½	2.87	2 ⅞
26060	84885	26061	1 x 1		1.72	1 ¾	3.07	3 ⅜	3.39	3 ⅜
26065	84890	26066	1 ¼ x 1 ¼		2.00	2	3.82	3 ⅜	4.04	4 ⅞
26070	84895	26071	1 ½ x 1 ½		2.26	2 ¼	4.13	4 ⅞	4.21	4 ¾
26075	84900	26076	2 x 2		2.80	2 ⅜	4.78	4 ¾	5.08	5 ⅞

Viega MegaPress 90° Street Elbow P x FTG - Models 4816.1XL / 6616.1XL



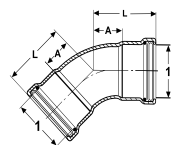
Part No.		Size (in)		A (in)		L (in)		L1 (in)	
FKM	HNBR	1	2	Dec	Frac	Dec	Frac	Dec	Frac
26515	28615	2 ½ x 2 ½		4.15	4 ⅞	5.94	5 ⅝	6.06	6 ⅞
26520	28620	3 x 3		4.76	4 ¾	7.09	7 ⅜	6.81	6 ⅜
26525	28625	4 x 4		6.00	6	9.17	9 ⅜	8.78	8 ¾

MegaPress 45° Elbow, Carbon Steel, P x P - Models 4826 / 5926 / 6626



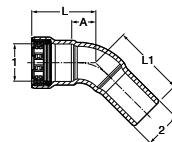
Part No.			Size (in)		A (in)		L (in)	
EPDM	FKM	HNBR	1	Dec	Frac	Dec	Frac	
25230	84335	25231	1/2	0.60	5/8	1.67	1 1/16	
25235	84340	25236	3/4	0.71	11/16	1.87	1 7/8	
25240	84345	25241	1	0.86	7/8	2.20	2 3/16	
25245	84350	25246	1 1/4	0.98	1	2.80	2 13/16	
25250	84355	25251	1 1/2	1.12	1 1/8	2.99	3	
25255	84360	25256	2	1.32	1 5/16	3.31	3 5/16	

Viega MegaPress 45° Elbow P x P - Models 4826XL / 6626XL



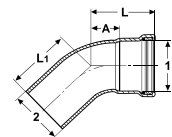
Part No.		Size (in)		A (in)		L (in)	
FKM	HNBR	1	Dec	Frac	Dec	Frac	
26530	28630	2 1/2	2.10	2 1/8	3.90	3 7/8	
26535	28635	3	2.26	2 1/4	4.56	4 9/16	
26540	28640	4	2.74	2 3/4	5.92	5 15/16	

MegaPress 45° Elbow, Carbon Steel, P x FTG - Models 4826.1 / 5926.1 / 6626.1



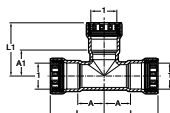
Part No.			Size (in)		A (in)		L (in)		L1 (in)	
EPDM	FKM	HNBR	1	2	Dec	Frac	Dec	Frac	Dec	Frac
26100	84905	26101	1/2 x 1/2	1/2	0.60	5/8	1.67	1 11/16	1.97	1 15/16
26105	84910	26106	3/4 x 3/4	3/4	0.71	11/16	1.87	1 7/8	2.13	2 1/8
26110	84915	26111	1 x 1	1	0.86	7/8	2.20	2 3/16	2.52	2 1/2
26115	84920	26116	1 1/4 x 1 1/4	1 1/4	0.98	1	2.80	2 13/16	2.99	3
26120	84925	26121	1 1/2 x 1 1/2	1 1/2	1.12	1 1/8	2.99	3	3.07	3 1/16
26125	84930	26126	2 x 2	2	1.32	1 5/16	3.31	3 5/16	3.58	3 9/16

Viega MegaPress 45° Street Elbow P x FTG - Models 4826.1XL / 6626.1XL



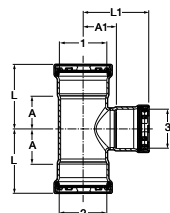
Part No.		Size (in)		A (in)		L (in)		L1 (in)	
FKM	HNBR	1	2	Dec	Frac	Dec	Frac	Dec	Frac
26545	28645	2 1/2 x 2 1/2	2 1/2	2.10	2 1/8	3.90	3 7/8	3.95	3 15/16
26550	28650	3 x 3	3	2.26	2 1/4	4.56	4 9/16	4.34	4 5/16
26555	28655	4 x 4	4	2.74	2 3/4	5.92	5 15/16	5.62	5 5/8

MegaPress Tee, Carbon Steel, P x P x P - Models 4818 / 5918 / 6618



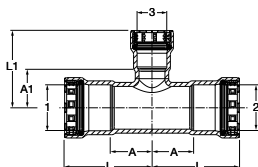
Part No.			Size (in)			A (in)		A1 (in)		L (in)		L1 (in)	
EPDM	FKM	HNBR	1	2	3	Dec	Frac	Dec	Frac	Dec	Frac	Dec	Frac
25300	84365	25301	1/2			0.97	1	0.93	15/16	2.04	2 1/16	2.00	2
25305	84370	25306	3/4			1.11	1 1/8	1.09	1 1/16	2.26	2 1/4	2.24	2 1/4
25310	84375	25311	1			1.23	1 1/4	1.23	1 1/4	2.57	2 9/16	2.57	2 9/16
25315	84395	25316	1 1/4			1.41	1 1/16	1.38	1 3/8	3.23	3 1/4	3.20	3 3/16
25320	84400	25321	1 1/2			1.57	1 9/16	1.54	1 9/16	3.44	3 7/16	3.41	3 7/16
25325	84405	25326	2			1.81	1 13/16	1.80	1 13/16	3.80	3 13/16	3.79	3 13/16

Viega MegaPress Tee P x P x P - Models 4818XL / 6618XL



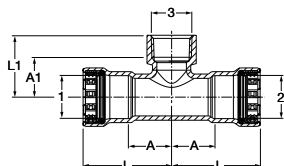
Part No.		Size (in)			A (in)		A1 (in)		L (in)		L1 (in)	
FKM	HNBR	1	2	3	Dec	Frac	Dec	Frac	Dec	Frac	Dec	Frac
NA	28910	2 1/2 x 2 1/2 x 1			1.35	1 3/8	2.04	2 1/16	3.15	3 1/8	3.38	3 3/8
NA	28905	2 1/2 x 2 1/2 x 1 1/4			1.72	1 3/4	2.06	2 1/16	3.52	3 1/2	3.87	3 7/8
26575	28675	2 1/2 x 2 1/2 x 1 1/2			1.72	1 3/4	2.08	2 1/16	3.52	3 1/2	3.95	3 15/16
26580	28680	2 1/2 x 2 1/2 x 2			2.16	2 9/16	2.05	2 1/16	3.96	3 5/16	4.04	4 1/16
26560	28660	2 1/2 x 2 1/2 x 2 1/2			2.16	2 3/16	2.26	2 1/4	3.96	3 5/16	4.06	4 1/16
26595	28695	3 x 3 x 1 1/4			1.70	1 1/16	2.31	2 5/16	4.04	4 1/16	4.13	4 1/8
26590	28690	3 x 3 x 1 1/2			1.80	1 13/16	2.33	2 5/16	4.13	4 1/8	4.20	4 3/16
26585	28685	3 x 3 x 2			2.11	2 1/8	2.30	2 5/16	4.41	4 7/16	4.29	4 5/16
26600	28700	3 x 3 x 2 1/2			2.32	2 9/16	2.51	2 1/2	4.63	4 9/16	4.31	4 5/16
26565	28665	3 x 3 x 3			2.55	2 9/16	2.52	2 1/2	4.88	4 7/8	4.82	4 13/16
26605	28705	4 x 4 x 1 1/2			1.86	1 7/8	2.90	2 7/8	5.04	5 1/16	4.77	4 3/4
26610	28710	4 x 4 x 2			2.18	2 3/16	2.87	2 7/8	5.35	5 3/8	4.86	4 7/8
26615	28715	4 x 4 x 2 1/2			2.40	2 3/8	3.08	3 1/16	5.55	5 9/16	4.88	4 7/8
26620	28720	4 x 4 x 3			2.66	2 11/16	3.13	3 1/8	5.81	5 3/4	5.43	5 7/16
26570	28670	4 x 4 x 4			3.22	3 1/4	3.08	3 1/16	6.40	6 3/8	6.26	6 1/4

MegaPress Reducing Tee, Carbon Steel, P x P x P - Models 4818 / 5918 / 6618



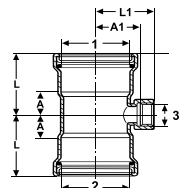
Part No.			Size (in)			A (in)		A1 (in)		L (in)		L1 (in)	
EPDM	FKM	HNBR	1	2	3	Dec	Frac	Dec	Frac	Dec	Frac	Dec	Frac
25330	84410	25331	3/4	x 3/4	x 1/2	1.11	1 1/8	1.07	1 1/16	2.26	2 1/4	2.14	2 1/8
25335	84415	25336	1	x 1	x 1/2	1.23	1 1/4	1.20	1 3/16	2.57	2 9/16	2.28	2 1/4
25340	84420	25341	1	x 1	x 3/4	1.23	1 1/4	1.24	1 1/4	2.57	2 9/16	2.40	2 3/8
25510	84380	25491	1 1/4	x 1 1/4	x 1/2	1.41	1 7/16	1.35	1 3/8	3.23	3 1/4	2.42	2 7/16
25515	84385	25496	1 1/4	x 1 1/4	x 3/4	1.41	1 7/16	1.39	1 3/8	3.23	3 1/4	2.55	2 9/16
25350	84390	25351	1 1/4	x 1 1/4	x 1	1.41	1 7/16	1.38	1 3/8	3.23	3 1/4	2.73	2 3/4
25360	84425	25361	1 1/2	x 1 1/2	x 1/2	1.57	1 9/16	1.44	1 7/16	3.44	3 7/16	2.51	2 1/2
25365	84430	25366	1 1/2	x 1 1/2	x 3/4	1.57	1 9/16	1.48	1 1/2	3.44	3 7/16	2.64	2 5/8
25370	84435	25371	1 1/2	x 1 1/2	x 1	1.57	1 9/16	1.48	1 1/2	3.44	3 7/16	2.83	2 13/16
25375	84440	25376	1 1/2	x 1 1/2	x 1 1/4	1.57	1 9/16	1.50	1 1/2	3.44	3 7/16	3.32	3 5/16
25380	84445	25381	2	x 2	x 1/2	1.81	1 13/16	1.74	1 3/4	3.80	3 13/16	2.81	2 13/16
25385	84450	25386	2	x 2	x 3/4	1.81	1 13/16	1.80	1 13/16	3.80	3 13/16	2.95	2 15/16
25390	84455	25391	2	x 2	x 1	1.81	1 13/16	1.75	1 3/4	3.80	3 13/16	3.10	3 1/8
25395	84460	25396	2	x 2	x 1 1/4	1.81	1 13/16	1.78	1 3/4	3.80	3 13/16	3.60	3 5/8
25400	84465	25401	2	x 2	x 1 1/2	1.81	1 13/16	1.84	1 13/16	3.80	3 13/16	3.71	3 11/16

MegaPress Reducing Tee, Carbon Steel, P x P x FPT - Models 4817.2 / 5917.2 / 6617.2



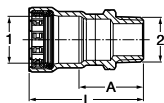
Part No.			Size (in)			A (in)		A1 (in)		L (in)		L1 (in)	
EPDM	FKM	HNBR	1	2	3	Dec	Frac	Dec	Frac	Dec	Frac	Dec	Frac
25405	84545	25406	3/4	x 3/4	x 1/2	1.11	1 1/8	1.02	1	2.26	2 1/4	1.55	1 1/16
25480	84550	25481	3/4	x 3/4	x 3/4	1.11	1 1/8	1.03	1	2.26	2 1/4	1.58	1 1/16
25410	84555	25411	1	x 1	x 1/2	1.23	1 1/4	1.19	1 1/16	2.57	2 9/16	1.73	1 3/4
25415	84560	25416	1	x 1	x 3/4	1.23	1 1/4	1.18	1 1/16	2.57	2 9/16	1.73	1 3/4
25485	84575	25486	1 1/4	x 1 1/4	x 1/2	1.41	1 7/16	1.31	1 1/16	3.23	3 1/4	1.85	1 7/8
25505	84570	25506	1 1/4	x 1 1/4	x 3/4	1.41	1 7/16	1.33	1 1/16	3.23	3 1/4	1.89	1 7/8
25500	84565	25501	1 1/4	x 1 1/4	x 1	1.41	1 7/16	1.37	1 1/8	3.23	3 1/4	2.03	2
25435	84580	25436	1 1/2	x 1 1/2	x 1/2	1.57	1 9/16	1.42	1 1/16	3.44	3 7/16	1.95	1 15/16
25440	84585	25441	1 1/2	x 1 1/2	x 3/4	1.57	1 9/16	1.41	1 1/16	3.44	3 7/16	1.97	2
25445	84590	25446	1 1/2	x 1 1/2	x 1	1.57	1 9/16	1.57	1 1/16	3.44	3 7/16	2.24	2 1/4
25450	NA	25451	1 1/2	x 1 1/2	x 1 1/4	1.57	1 9/16	1.47	1 1/2	3.44	3 7/16	2.15	2 1/8
25455	84595	25456	2	x 2	x 1/2	1.81	1 13/16	1.70	1 1/16	3.80	3 13/16	2.24	2 1/4
25460	84600	25461	2	x 2	x 3/4	1.81	1 13/16	1.72	1 3/4	3.80	3 13/16	2.28	2 1/4
25465	84605	25466	2	x 2	x 1	1.81	1 13/16	1.89	1 7/8	3.80	3 13/16	2.55	2 9/16
25470	NA	25471	2	x 2	x 1 1/4	1.81	1 13/16	1.77	1 3/4	3.80	3 13/16	2.45	2 7/16
25475	NA	25476	2	x 2	x 1 1/2	1.81	1 13/16	1.73	1 3/4	3.80	3 13/16	2.41	2 7/16

Viega MegaPress Tee P x P x FPT - Models 4817.2XL / 6617.2XL



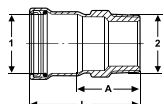
Part No.		Size (in)			A (in)		A1 (in)		L (in)		L1 (in)	
FKM	HNBR	1	2	3	Dec	Frac	Dec	Frac	Dec	Frac	Dec	Frac
26625	28725	2 1/2	x 2 1/2	x 3/4	1.35	1 1/8	2.00	2	3.15	3 1/8	2.55	2 9/16
26630	28730	3	x 3	x 3/4	1.44	1 7/16	2.24	2 1/4	3.74	3 3/4	2.80	2 13/16
26635	28735	4	x 4	x 3/4	1.55	1 9/16	2.76	2 3/4	4.72	4 3/4	3.31	3 5/16

MegaPress Adapter, Carbon Steel, P x MPT - Models 4811 / 5911 / 6611



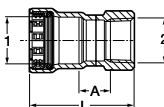
Part No.			Size (in)		A (in)		L (in)	
EPDM	FKM	HNBR	1	2	Dec	Frac	Dec	Frac
25100	84245	25101	1/2 x 1/2		1.45	1 7/16	2.52	2 1/2
25105	84250	25106	3/4 x 3/4		1.50	1 1/2	2.66	2 11/16
25110	84255	25111	1 x 1		1.66	1 11/16	3.00	3
25115	84260	25116	1 1/4 x 1 1/4		1.90	1 7/8	3.70	3 11/16
25120	84265	25121	1 1/2 x 1 1/2		1.93	1 15/16	3.80	3 13/16
25125	84270	25126	2 x 2		1.93	1 5/4	3.92	3 15/16

Viega MegaPress Adapter P x MPT - Models 4811XL / 6611XL



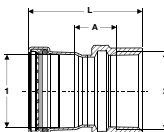
Part No.		Size (in)		A (in)		L (in)	
FKM	HNBR	1	2	Dec	Frac	Dec	Frac
26640	28740	2 1/2 x 2 1/2		2.75	2 3/4	4.55	4 9/16
26645	28745	3 x 3		2.89	2 7/8	5.20	5 3/16
26650	28750	4 x 4		3.03	3	6.21	6 1/16

MegaPress Adapter, Carbon Steel, P x FPT - Models 4812 / 5912 / 6612



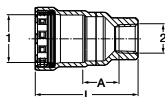
Part No.			Size (in)		A (in)		L (in)	
EPDM	FKM	HNBR	1	2	Dec	Frac	Dec	Frac
25130	84275	25131	1/2 x 1/2		0.69	1 1/16	2.29	2 5/16
25135	84280	25136	3/4 x 3/4		0.74	3/4	2.45	2 7/16
25140	84285	25141	1 x 1		0.73	3/4	2.74	2 3/4
25145	84290	25146	1 1/4 x 1 1/4		0.77	3/4	3.27	3 1/4
25150	84295	25151	1 1/2 x 1 1/2		0.72	3/4	3.28	3 1/4
25155	84300	25156	2 x 2		0.76	3/4	3.44	3 1/16

Viega MegaPress Adapter P x FPT - Models 4812XL / 6612XL



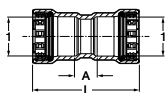
Part No.		Size (in)		A (in)		L (in)	
FKM	HNBR	1	2	Dec	Frac	Dec	Frac
26655	28755	2 1/2 x 2 1/2		1.13	1 1/8	3.86	3 7/8
26660	28760	3 x 3		1.17	1 3/16	4.49	4 1/2
26665	28765	4 x 4		1.15	1 1/8	5.42	5 1/16

MegaPress Reducing Adapter, Carbon Steel, P x FPT - Models 4812 / 5912 / 6612



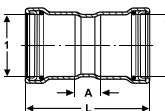
Part No.			Size (in)		A (in)		L (in)	
EPDM	FKM	HNBR	1	2	Dec	Frac	Dec	Frac
25575	84750	25576	3/4 x 1/2		0.73	3/4	2.43	2 1/16
25580	84755	25581	1 x 1/2		1.03	1	2.91	2 15/16
25585	84760	25586	1 x 3/4		0.78	3/4	2.68	2 1/16
25590	84765	25591	1 1/4 x 1/2		1.15	1 1/8	3.50	3 1/2
25595	84770	25596	1 1/4 x 3/4		1.11	1 1/8	3.48	3 1/2
25600	84775	25601	1 1/4 x 1		0.76	3/4	3.24	3 1/4
25605	84780	25606	1 1/2 x 1/2		1.31	1 5/16	3.72	3 3/4
25610	84785	25611	1 1/2 x 3/4		1.27	1 1/4	3.70	3 15/16
25615	84790	25616	1 1/2 x 1		1.11	1 1/8	3.64	3 5/8
25620	84795	25621	1 1/2 x 1 1/4		0.86	7/8	3.41	3 7/16
25625	NA	25626	2 x 1/2		1.56	1 9/16	4.06	4 1/16
25630	84800	25631	2 x 3/4		1.54	1 9/16	4.08	4 1/16
25635	84805	25636	2 x 1		1.35	1 5/8	4.00	4
25640	NA	25641	2 x 1 1/4		1.28	1 1/4	3.93	3 15/16
25645	84810	25646	2 x 1 1/2		1.03	1	3.70	3 11/16

MegaPress Coupling with Stop, Carbon Steel, P x P - Models 4815 / 5915 / 6615



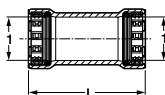
Part No.			Size (in)		A (in)		L (in)	
EPDM	FKM	HNBR	1	2	Dec	Frac	Dec	Frac
25000	84215	25001	1/2		0.56	9/16	2.70	2 1/16
22005	84220	22009	3/4		0.63	5/8	2.94	2 15/16
25010	84225	25011	1		0.59	9/16	3.29	3 5/16
25015	84230	25016	1 1/4		0.70	1 1/16	4.34	4 5/16
25020	84235	25021	1 1/2		0.89	7/8	4.63	4 9/8
25025	84240	25026	2		0.77	3/4	4.75	4 3/4

Viega MegaPress Coupling with Stop P x P - Models 4815XL / 6615XL



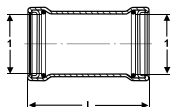
Part No.		Size (in)		A (in)		L (in)	
FKM	HNBR	1	2	Dec	Frac	Dec	Frac
26670	28770	2 1/2		1.32	1 5/16	4.92	4 15/16
26675	28775	3		1.38	1 5/8	5.98	6
26680	28780	4		1.57	1 9/16	7.87	7 7/8

MegaPress Coupling No Stop, Carbon Steel, P x P - Models 4815.5 / 5915.5 / 6615.5



Part No.			Size (in)		L (in)	
EPDM	FKM	HNBR	1	2	Dec	Frac
25030	84130	25031	1/2		2.71	2 11/16
25035	84135	25036	3/4		2.94	2 15/16
25040	84140	25041	1		3.29	3 5/16
25045	84145	25046	1 1/4		4.34	4 5/16
25050	84150	25051	1 1/2		4.63	4 5/8
25055	84155	25056	2		4.74	4 3/4

Viega MegaPress Coupling No Stop P x P - Models 4815.5XL / 6615.5XL



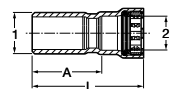
Part No.		Size (in)		L (in)	
FKM	HNBR	1	Dec	Frac	
26685	28785	2½	4.92	4 ¹⁵ / ₁₆	
26690	28790	3	5.98	6	
26695	28795	4	7.91	7 ¹⁵ / ₁₆	

MegaPress Extended No Stop Coupling, Carbon Steel, P x P - Models 4815.3 / 6615.3



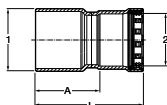
Part No.		Size (in)		L (in)	
EPDM	HNBR	1	Dec	Frac	
25070	25071	½	3.82	3 ¹³ / ₁₆	
25075	25076	¾	4.00	4	
25080	25081	1	4.38	4 ³ / ₈	
25085	25086	1¼	5.33	5 ⁵ / ₁₆	
25090	25091	1½	5.44	5 ⁹ / ₁₆	
25095	25096	2	5.63	5 ⁵ / ₈	

MegaPress Reducer, Carbon Steel, FTG x P - Models 4815.1 / 5915.1 / 6615.1



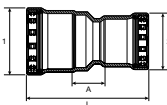
Part No.			Size (in)		A (in)		L (in)	
EPDM	FKM	HNBR	1	2	Dec	Frac	Dec	Frac
26000	84160	26001	¾ x ½		1.78	1¾	2.85	2 ⁷ / ₈
26005	84165	26006	1 x ½		2.14	2 ¹ / ₈	3.21	3 ³ / ₁₆
26010	84170	26011	1 x ¾		2.09	2 ¹ / ₁₆	3.24	3¼
NA	84175	NA	1¼ x ¾		2.81	2 ¹³ / ₁₆	3.97	4
26015	84180	26016	1¼ x 1		2.63	2 ⁵ / ₈	3.98	4
26020	84185	26021	1½ x ¾		2.98	3	4.13	4 ¹ / ₈
26025	84190	26031	1½ x 1		2.81	2 ¹³ / ₁₆	4.16	4 ³ / ₁₆
26030	84195	26026	1½ x 1¼		2.70	2 ¹¹ / ₁₆	4.52	4½
26035	84200	26036	2 x 1		3.14	3 ¹ / ₈	4.49	4½
26040	84205	26041	2 x 1¼		3.02	3	4.83	4 ¹³ / ₁₆
26045	84210	26046	2 x 1½		2.96	2 ¹⁵ / ₁₆	4.83	4 ¹³ / ₁₆

Viega MegaPress Reducer FTG x P - Models 4815.1XL / 6615.1XL



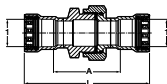
Part No.		Size (in)		A (in)		L (in)	
FKM	HNBR	1	2	Dec	Frac	Dec	Frac
26700	28800	2½ x 1		3.49	3½	4.83	4 ¹³ / ₁₆
26705	28805	2½ x 1¼		3.37	3¾	5.19	5 ⁵ / ₁₆
26710	28810	2½ x 1½		3.30	3 ⁵ / ₁₆	5.17	5 ³ / ₁₆
26715	28815	2½ x 2		2.97	3	4.96	4 ¹⁵ / ₁₆
26720	28820	3 x 1¼		4.16	4 ³ / ₁₆	5.98	6
26725	28825	3 x 1½		4.08	4 ¹ / ₁₆	5.95	5 ¹⁵ / ₁₆
26730	28830	3 x 2		3.76	3¾	5.75	5¾
26735	28835	3 x 2½		3.75	3¾	5.55	5 ⁹ / ₁₆
26740	28840	4 x 1½		5.60	5 ⁵ / ₈	7.47	7½
26745	28845	4 x 2		5.28	5¼	7.27	7¼
26750	28850	4 x 2½		5.27	5¼	7.06	7 ¹ / ₁₆
26755	28855	4 x 3		5.03	5	7.33	7 ⁵ / ₁₆

MegaPress Reducer, Carbon Steel, P x P - Models 4815.2 / 6615.2



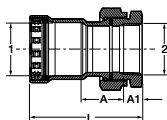
Part No.		Size (in)		A (in)		L (in)	
EPDM	HNBR	1	2	Dec	Frac	Dec	Frac
25930	25931	¾ x ½		1.20	1 ¹ / ₁₆	3.43	3 ⁷ / ₁₆
25935	25936	1 x ½		1.37	1 ³ / ₈	3.79	3 ¹³ / ₁₆
25940	25941	1 x ¾		1.24	1¼	3.74	3¾
25945	25946	1¼ x ¾		1.40	1 ³ / ₈	4.37	4 ³ / ₈
25950	25951	1¼ x 1		1.23	1¼	4.39	4 ³ / ₈
25955	25956	1½ x 1¼		1.21	1 ¹ / ₁₆	4.90	4 ⁷ / ₈
25960	25961	2 x 1¼		1.45	1 ⁷ / ₁₆	5.27	5¼
25965	25966	2 x 1½		1.43	1 ⁷ / ₁₆	5.26	5¼

MegaPress Union, Carbon Steel, P x P - Model 4860 / 5960



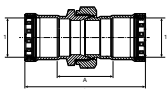
Part No.		Size (in)		A (in)		L (in)	
EPDM	FKM	1		Dec	Frac	Dec	Frac
25700	84815	½		2.35	2 ³ / ₈	4.50	4½
25705	84820	¾		2.67	2 ¹¹ / ₁₆	4.99	5
25710	84825	1		2.65	2 ⁵ / ₈	5.34	5 ⁵ / ₁₆
25715	84830	1¼		2.84	2 ¹³ / ₁₆	6.48	6½
25720	84835	1½		2.89	2 ⁷ / ₈	6.63	6 ⁵ / ₈
25725	84840	2		3.92	3 ¹⁵ / ₁₆	7.89	7 ⁷ / ₈

MegaPress Union, Carbon Steel, P x FPT - Model 4862



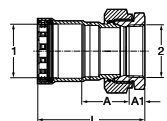
Part No. EPDM	Size (in)		A (in)		A1 (in)		L (in)	
	1	2	Dec	Frac	Dec	Frac	Dec	Frac
25650	1/2	x 1/2	1.25	1 1/4	0.54	9/16	2.85	2 7/8
25655	3/4	x 3/4	1.48	1 1/2	0.56	9/16	3.20	3 1/16
25660	1	x 1	1.37	1 3/8	0.66	11/16	3.38	3 3/8
25665	1 1/4	x 1 1/4	1.53	1 1/2	0.68	11/16	4.03	4
25670	1 1/2	x 1 1/2	1.55	1 9/16	0.68	11/16	4.10	4 1/8
25675	2	x 2	2.33	2 5/16	0.70	11/16	5.00	5

MegaPress Union, Carbon Steel, P x P - Model 6660



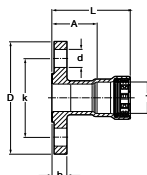
Part No. HNBR	Size (in)		A (in)		L (in)	
	1		Dec	Frac	Dec	Frac
25701	1/2		2.33	2 5/16	4.47	4 1/2
25706	3/4		2.67	2 11/16	4.98	5
25711	1		2.60	2 5/8	5.29	5 1/16
25716	1 1/4		2.85	2 7/8	6.49	6 1/2
25721	1 1/2		2.90	2 7/8	6.64	6 5/8
25726	2		3.41	3 7/16	7.35	7 3/8

MegaPress Union, Carbon Steel, P x FPT - Model 6662



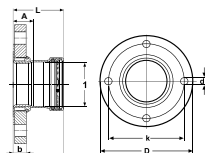
Part No. HNBR	Size (in)		A (in)		A1 (in)		L (in)	
	1	2	Dec	Frac	Dec	Frac	Dec	Frac
25651	1/2	x 1/2	1.38	1 3/8	0.54	9/16	2.98	3
25656	3/4	x 3/4	1.64	1 5/8	0.56	9/16	3.35	3 3/8
25661	1	x 1	1.62	1 5/8	0.66	11/16	3.63	3 5/8
25666	1 1/4	x 1 1/4	1.85	1 7/8	0.68	11/16	4.35	4 3/8
25671	1 1/2	x 1 1/2	1.80	1 13/16	0.68	11/16	4.35	4 3/8
25676	2	x 2	2.11	2 1/8	0.70	11/16	4.77	4 3/4

MegaPress Flange Class 150 Raised Face, Carbon Steel, P - Models 5959.5 / 6659.5



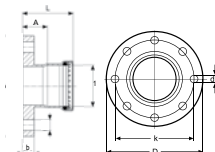
Part No.		Size (in)	A (in)		L (in)		b (in)		k (in)		D (in)		d (in)	
FKM	HNBR	1	Dec	Frac	Dec	Frac	Dec	Frac	Dec	Frac	Dec	Frac	Dec	Frac
84845	25761	½	1.51	1 ½	2.58	2 9/16	0.46	7/16	2.36	2 3/8	3.54	3 9/16	0.63	5/8
84850	25766	¾	1.58	1 1/16	2.74	2 ¾	0.52	½	2.76	2 ¾	3.94	3 5/16	0.63	5/8
84855	25771	1	1.75	1 ¾	3.10	3 3/8	0.58	9/16	3.11	3 1/8	4.33	4 9/16	0.63	5/8
84860	25776	1 ¼	1.89	1 7/8	3.71	3 7/16	0.64	5/8	3.50	3 ½	4.53	4 ½	0.63	5/8
84865	25781	1 ½	2.06	2 1/16	3.93	3 5/16	0.70	1/16	3.86	3 3/8	4.92	4 15/16	0.63	5/8
84870	25786	2	2.07	2 1/16	4.06	4 1/16	0.77	¾	4.76	4 ¾	5.91	5 15/16	0.75	¾

Viega MegaPress Adapter Flange Class 150 Raised Face, P - Model 4859.5XL



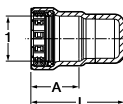
Part No.	Size (in)	A (in)		L (in)		b (in)		k (in)		D (in)		d (in)	
		FKM	1	Dec	Frac	Dec	Frac	Dec	Frac	Dec	Frac	Dec	Frac
26775	2½	1.54	1⅞	3.33	3⅞	0.89	⅞	5.51	5½	7.09	7⅛	0.75	¾
26780	3	1.65	1⅝	3.95	3⅟16	0.96	15/16	5.98	6	7.48	7½	0.75	¾
26785	4	1.63	1⅝	4.80	4⅟16	0.96	15/16	7.52	7½	9.06	9⅛	0.75	¾

Viega MegaPressG Adapter Flange Class 125 Flat Face, P - Model 6659.5XL



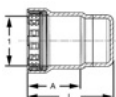
Part No.	Size (in)	A (in)		L (in)		b (in)		k (in)		D (in)		d (in)	
HNBR	1	Dec	Frac	Dec	Frac	Dec	Frac	Dec	Frac	Dec	Frac	Dec	Frac
28875	2½	1.54	1⅞	3.33	3⅞	0.89	7⁄8	5.51	5½	7.09	7⅞	0.75	¾
28880	3	1.65	1⅝	3.95	3⅟₁₆	0.96	15⁄₁₆	5.98	6	7.48	7½	0.75	¾
28885	4	1.63	1⅝	4.80	4⅟₁₆	0.96	15⁄₁₆	7.52	7½	9.06	9⅞	0.75	¾

MegaPress Cap, Carbon Steel, P x Cap - Models 4856 / 5956 / 6656



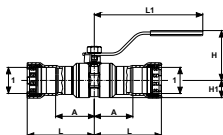
Part No.			Size (in)		A (in)		L (in)	
EPDM	FKM	HNBR	1	Dec	Frac	Dec	Frac	
25730	84100	25731	1/2	1.07	1 1/16	2.14	2 1/8	
25735	84105	25736	3/4	1.16	1 3/16	2.26	2 1/4	
25740	84110	25741	1	1.35	1 3/8	2.43	2 7/16	
25745	84115	25746	1 1/4	1.82	1 13/16	2.93	2 15/16	
25750	84120	25751	1 1/2	1.87	1 7/8	3.02	3	
25755	84125	25756	2	1.99	2	3.11	3 1/8	

Viega MegaPress Cap P - Models 4856.1XL / 6656.1XL



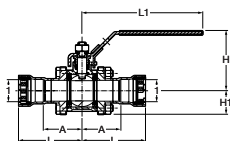
Part No.		Size (in)		A (in)		L (in)	
FKM	HNBR	1	Dec	Frac	Dec	Frac	
26760	28860	2 1/2	1.80	1 13/16	3.27	3 1/4	
26765	28865	3	2.30	2 5/16	3.78	3 3/4	
26770	28870	4	3.18	3 3/16	4.65	4 5/8	

MegaPress Ball Valve, Carbon Steel, P x P - Models 4870 / 5970 / 5970XL



Part No.		Size (in)		A (in)		L (in)		L1 (in)		H (in)		H1 (in)	
EPDM	FKM	1	Dec	Frac	Dec	Frac	Dec	Frac	Dec	Frac	Dec	Frac	
28915	28945	1/2	1.54	1 1/16	2.62	2 5/8	4.57	4 9/16	1.99	2	0.63	5/8	
28920	28950	3/4	1.64	1 5/8	2.80	2 13/16	4.57	4 9/16	2.10	2 1/8	0.75	3/4	
28925	28955	1	1.81	1 13/16	3.16	3 3/16	5.77	5 3/4	2.47	2 1/2	0.88	7/8	
28930	28960	1 1/4	1.98	2	3.80	3 13/16	5.77	5 3/4	2.71	2 11/16	1.14	1 1/8	
28935	28965	1 1/2	2.14	2 1/8	4.01	4	6.12	6 1/8	3.02	3	1.36	1 3/8	
28940	28970	2	2.38	2 3/8	4.37	4 3/8	6.12	6 1/8	3.32	3 5/16	1.65	1 1/2	
NA	86790	2 1/2	3.72	3 3/4	5.52	5 1/2	11.09	11 1/16	5.13	5 1/8	2.39	2 3/8	
NA	86795	3	4.07	4 1/16	6.40	6 3/8	11.09	11 1/16	5.52	5 1/2	2.80	2 13/16	
NA	86800	4	4.67	4 7/16	7.84	7 13/16	13.06	13 1/16	6.70	6 11/16	3.45	3 7/16	

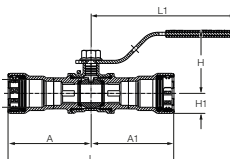
MegaPress 3-Piece Ball Valve, Carbon Steel, P x P - Models 4875.8 / 5975.8 / 5975.8XL



Part No.		Size (in)*	A (in)		L (in)		L1 (in)		H (in)		H1 (in)	
EPDM	FKM		1	Dec	Frac	Dec	Frac	Dec	Frac	Dec	Frac	Dec
28500	86400	1/2	1.72	1 3/4	2.80	2 13/16	5.88	5 7/8	2.85	2 7/8	1.04	1 1/16
28501	86405	3/4	1.91	1 15/16	3.06	3 1/16	5.88	5 7/8	2.93	2 15/16	1.16	1 3/16
28502	86410	1	2.19	2 3/16	3.54	3 9/16	7.54	7 9/16	3.33	3 3/16	1.40	1 3/8
28503	86415	1 1/4	2.50	2 1/2	4.31	4 5/16	7.54	7 9/16	3.57	3 3/16	1.57	1 9/16
28504	86420	1 1/2	2.92	2 15/16	4.79	4 13/16	7.54	7 9/16	3.89	3 7/8	1.83	1 13/16
28505	86425	2	3.09	3 1/16	5.07	5 1/16	7.54	7 9/16	3.89	3 7/8	1.83	1 13/16
NA	86680	2 1/2	3.74	3 3/4	5.54	5 9/16	11.06	11 1/16	5.08	5 1/16	2.28	2 1/4
NA	86685	3	4.37	4 3/8	6.67	6 7/16	11.06	11 1/16	5.47	5 1/2	2.68	2 1/16
NA	86690	4	4.88	4 7/8	8.06	8 1/16	13.07	13 1/16	6.89	6 7/8	3.79	3 13/16

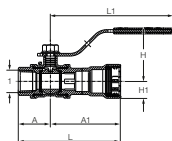
Sizes up to 3" have 4-bolt flanges; 4" has 6-bolt flanges.

Viega MegaPressG Ball Valve - Model 6675 / 6675XL



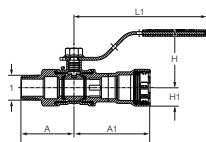
Part No.	Size (in)	A (in)		L (in)		L1 (in)		H (in)		H1 (in)	
		HNBR	1	Dec	Frac	Dec	Frac	Dec	Frac	Dec	Frac
30630	½	2.62	2⅝	5.24	5¼	4.57	4⅞ ₁₆	1.99	2	0.63	⅝
30635	¾	2.80	2⅓ ₁₆	5.59	5⅞ ₁₆	4.57	4⅞ ₁₆	2.10	2⅛	0.77	¾
30640	1	3.16	3⅜ ₁₆	6.31	6⅝ ₁₆	5.77	5¾	2.46	2⅞ ₁₆	0.91	1⅝ ₁₆
30645	1¼	3.78	3¾	7.55	7⅞ ₁₆	5.77	5¾	2.69	2⅞ ₁₆	1.14	1⅞
30650	1½	3.98	4	7.97	8	6.12	6⅞	3.02	3	1.36	1⅞
30655	2	4.35	4⅝	8.70	8⅞ ₁₆	6.12	6⅞	3.31	3⅞ ₁₆	1.65	1⅞
86840	2½	3.72	3¾	11.04	11⅞ ₁₆	11.09	11⅞ ₁₆	5.14	5⅞	2.40	2⅞
86845	3	4.07	4⅞ ₁₆	12.80	12¾	11.09	11⅞ ₁₆	5.54	5⅞ ₁₆	2.80	2¾
86850	4	4.67	4⅞ ₁₆	15.68	15⅞ ₁₆	13.06	13⅞ ₁₆	6.70	6⅞ ₁₆	3.45	3⅞ ₁₆

Viega MegaPressG Ball Valve - Model 6675.1



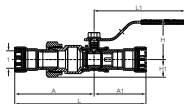
Part No.	Size (in)	A (in)		A1 (in)		L (in)		L1 (in)		H (in)		H1 (in)	
		Dec	Frac	Dec	Frac	Dec	Frac	Dec	Frac	Dec	Frac	Dec	Frac
30630	1/2	1.20	13/16	2.62	25/8	3.82	313/16	4.57	49/16	1.99	2	0.63	5/8
30635	3/4	1.36	13/8	2.80	213/16	4.15	41/8	4.57	49/16	2.10	21/8	0.77	3/4
30640	1	1.85	17/8	3.16	33/16	5.00	5	5.77	53/4	2.46	27/16	0.91	15/16
30645	1 1/4	1.87	17/8	3.78	33/4	5.64	55/8	5.77	53/4	2.69	27/16	1.14	11/8
30650	1 1/2	2.05	21/16	3.98	4	6.03	6	6.12	61/8	3.02	3	1.36	13/8
30655	2	2.43	27/16	4.35	43/8	6.78	63/4	6.12	61/8	3.31	33/8	1.65	15/8

Viega MegaPressG Ball Valve - Model 6675.2



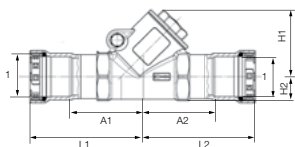
Part No.	Size (in)	A (in)		A1 (in)		L (in)		L1 (in)		H (in)		H1 (in)	
		Dec	Frac	Dec	Frac	Dec	Frac	Dec	Frac	Dec	Frac	Dec	Frac
30630	1/2	1.81	113/16	2.62	25/8	4.44	47/16	4.57	49/16	0.63	5/8	1.99	2
30635	3/4	1.87	17/8	2.80	213/16	4.64	45/8	4.57	49/16	0.77	3/4	2.10	21/8
30640	1	2.53	21/2	3.16	33/16	5.69	511/16	5.77	53/4	0.91	15/16	2.46	27/16
30645	1 1/4	2.56	21/8	3.78	33/4	6.33	63/8	5.77	53/4	1.14	11/8	2.69	211/16
30650	1 1/2	2.67	21/16	3.98	4	6.65	65/8	6.12	61/8	1.36	13/8	3.02	3
30655	2	2.92	215/16	4.35	43/8	7.28	71/4	6.12	61/8	1.65	15/8	3.31	35/8

Viega MegaPressG Ball Valve - Model 6675.3



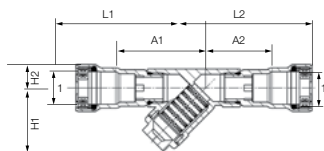
Part No.	Size (in)	A (in)		A1 (in)		L (in)		L1 (in)		H (in)		H1 (in)	
		Dec	Frac	Dec	Frac	Dec	Frac	Dec	Frac	Dec	Frac	Dec	Frac
30630	1/2	4.00	4	2.62	25/8	6.62	65/8	4.57	49/16	1.99	2	0.89	7/8
30635	3/4	4.19	43/16	2.80	213/16	6.99	7	4.57	49/16	2.10	21/8	1.08	11/16
30640	1	4.53	41/2	3.16	33/16	7.69	77/16	5.77	53/4	2.46	27/16	1.18	13/16
30645	1 1/4	5.65	55/8	3.78	33/4	9.43	97/16	5.77	53/4	2.69	27/16	1.50	11/2
30650	1 1/2	5.59	59/16	3.98	4	9.57	99/16	6.12	61/8	3.02	3	1.50	11/2
30655	2	6.53	61/2	4.35	43/8	10.88	107/8	6.12	61/8	3.31	33/8	1.65	15/8

Viega MegaPress FKM Swing Check Valve – Model 5974.2



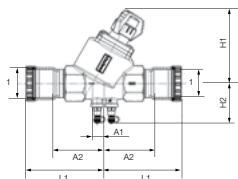
Part No.	Size (in)	H1 (in)		H2 (in)		L1 (in)		L2 (in)		A1 (in)		A2 (in)		Cv (US gal/min)
	1	Dec	Frac	Dec	Frac	Dec	Frac	Dec	Frac	Dec	Frac	Dec	Frac	
87200	½	1.65	1⅝	0.63	⅝	3.07	3⅛	3.07	3⅛	0.47	½	2.01	2	5.50
87205	¾	1.97	2	0.75	¾	3.35	3⅝	3.35	3⅝	0.55	⅝	3.35	3⅝	9.50
87210	1	2.28	2¼	0.91	1⅝	3.86	3⅞	3.86	3⅞	0.75	¾	2.48	2½	16.80
87215	1¼	2.72	2¾	1.10	1⅞	4.57	4⅞	4.57	4⅞	0.91	1⅝	2.76	2¾	27.50
87220	1½	2.72	2¾	1.10	1⅞	4.57	4⅞	4.57	4⅞	0.91	1⅝	2.76	2¾	40.80
87225	2	3.86	3⅞	1.34	1⅞	5.28	5¼	5.28	5¼	1.30	1⅝	3.31	3⅝	76.30

Viega MegaPress FKM Strainer Valve – Model 5981.1



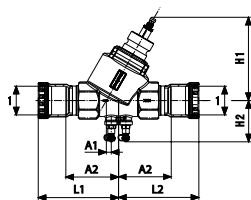
Part No.	Size (in)	H1 (in)		H2 (in)		L1 (in)		L2 (in)		A1 (in)		A2 (in)		Cv (US gal/min)
	1	Dec	Frac	Dec	Frac	Dec	Frac	Dec	Frac	Dec	Frac	Dec	Frac	
87140	½	1.69	1⅞	0.63	⅝	3.50	3½	2.87	2⅞	2.44	2⅞	1.81	1⅞	3.7
87145	¾	2.01	2	0.75	¾	3.98	4	3.19	3⅝	2.83	2⅞	2.05	2⅞	6.2
87150	1	2.52	2½	0.91	1⅝	4.72	4¾	3.50	3½	3.39	3⅝	2.17	2⅞	8.3
87155	1¼	2.76	2¾	1.10	1⅞	5.51	5½	4.13	4⅞	3.66	3⅞	2.28	2¼	14.6
87160	1½	3.19	3⅞	1.22	1¼	5.83	5⅞	4.25	4¼	3.98	4	2.36	2⅞	21.4
87165	2	3.54	3⅞	1.46	1⅞	6.61	6⅞	4.57	4⅞	4.61	4⅞	2.60	2⅞	33.4

Viega MegaPress Dynamic Auto Balancing Valve – Model 4881.7



Part No.	Size (in) 1	H1 (in)		H2 (in)		L1 (in)		A1 (in)		A2 (in)		Flow Range (GPM)	Cv (US gal/min)
		Dec	Frac	Dec	Frac	Dec	Frac	Dec	Frac	Dec	Frac		
87335	1/2	3.47	3 1/2	2.32	2 5/16	3.43	3 3/16	0.39	3/8	2.32	2 5/16	0.26 - 4.75	3.02
87340	3/4	3.47	3 1/2	2.32	2 5/16	3.58	3 3/16	0.39	3/8	2.40	2 5/8	0.45 - 8.50	3.02
87345	1	3.58	3 5/8	2.44	2 7/16	3.98	4	0.39	3/8	2.40	2 5/8	0.60 - 10.57	4.87
87350	1 1/4	4.37	4 3/8	2.76	2 3/4	4.80	4 13/16	0.55	9/16	2.84	2 13/16	0.88 - 22.01	12.65
87355	1 1/2	5.20	5 3/8	2.87	2 7/8	5.43	5 7/16	0.83	1 3/16	3.58	3 5/8	3.17 - 32.58	20.88
87360	2	5.20	5 3/8	3.11	3 1/8	5.55	5 5/16	0.83	1 3/16	3.58	3 5/8	3.96 - 45.57	23.55

Viega MegaPress Pressure Independent Balancing and Control Valve – Models 4881.71 / 4887.72



Part No.	Size (in) 1	H1 (in)		H2 (in)		L1 (in)		A1 (in)		A2 (in)		Flow Range (GPM)	Cv (US gal/min)
		Dec	Frac	Dec	Frac	Dec	Frac	Dec	Frac	Dec	Frac		
4881.71 4887.72	1/2	2.44	2 7/16	2.24	2 1/4	3.43	3 3/16	0.39	3/8	2.32	2 5/16	0.26 - 4.75	3.02
87450 89955	3/4	2.64	2 5/8	2.24	2 1/4	3.58	3 3/16	0.39	3/8	2.44	2 5/8	0.45 - 8.50	3.02
87395 89960	1	2.76	2 3/4	2.32	2 5/16	3.98	4	0.39	3/8	2.64	2 5/8	0.60 - 10.57	4.87
87400 89965	1 1/4	3.35	3 3/8	2.68	2 11/16	4.80	4 13/16	0.55	9/16	2.99	3	0.88 - 22.01	12.65
87405 89970	1 1/2	5.63	5 5/8	2.80	2 13/16	5.43	5 7/16	0.83	1 3/16	3.58	3 5/8	3.17 - 32.58	20.88
87410 89975	2	5.63	5 5/8	3.03	3	5.59	5 5/16	0.83	1 3/16	3.58	3 5/8	3.96 - 45.57	23.55
87415 89980													

Q How would an inspector know they are looking at a good connection?

A Good connections can be proven by performing a pressure test. MegaPress fittings are approved for test pressures of 200 psi with air and 600 psi with water. Shipyard best practices mark each fitting connections after a press has been made.

Q Can MegaPress fitting be used with galvanized steel pipes??

A Viega MegaPress fittings may be used with galvanized steel pipe as long as the pipe follows the specifications set forth in ASTM A53.

Q Do I have to lubricate the pipe or the fitting?

A No, Viega does not require lubrication of the pipe or the fitting.

Q Can I install Viega MegaPress fittings on epoxy coated pipe?

A Yes, the surface of the pipe must be smooth before installing the fittings. Surface smoothing can be accomplished by using the RIDGID Pipe Prep tool or an abrasive sanding cloth.

Q Can Viega systems be installed in critical systems in machinery spaces?

A Yes, please refer to appropriate Class Type Approvals and US Coast Guard letters.

Q What is the procedure for welding near a Viega MegaPress fitting?

A When welding adjacent to a Viega MegaPress fitting, a minimum four inches of space should be allowed to avoid overheating and damaging the sealing element. When welding a fitting in line with a Viega MegaPress fitting, a minimum distance of three feet should be maintained. The Viega MegaPress fitting should also be protected from overheating through use of a cooling agent or welding blanket.

Q Can Viega MegaPress fittings be installed in a potable water application?

A No, Viega MegaPress is not certified for potable water usage. However, Viega ProPress copper press system is certified to NSF 61/372 for use in potable water systems.

Q Which MegaPress Carbon Steel system is best suited for use with vacuum sanitary drain systems on ships?

A MegaPress FKM has been approved for use with sanitary drain systems utilizing carbon steel piping.

Q What is the maximum pressure for MegaPress FKM fittings in a marine application?

A Viega MegaPress FKM fittings have been approved for use at 232 psi operating pressures by ABS, LR, DNV-GL, and the USCG.

Q What is Smart Connect technology?

A Smart Connect technology provides a quick and easy way to identify unpressed connections during the pressure-testing process. Unpressed connections are located by pressurizing the system with air or water. When testing with air or water, the pressure range is 15 psi to 85 psi maximum. The flow path is removed during the pressing process, creating a leakproof, reliable connection. Guaranteed.

Q Why is Smart Connect technology so valuable?

A Smart Connect technology gives the user strong peace of mind. It allows for faster testing procedures since you do not have to shut down and drain the system. Costly damages and possible insurance claims and premiums can be avoided because it identifies unpressed connections before they can become a problem. Because of the time savings, projects stay on track.

Viega Marine Applications

Marine applications are defined as mobile structures used to navigate water or stationary structures in water.

Subject to the terms and conditions of this Limited Warranty, Viega LLC (Viega) warrants to end users, installers, and distribution houses that its Viega metal press products (Viega Product), when properly installed in approved marine applications, and other products sold by Viega LLC, when properly installed in marine applications in accordance with our listings, shall be free from failure caused by manufacturing defects for a period of two (2) years from date of installation. This warranty applies only to approved applications. Installations that are not approved shall not be covered by this warranty and shall not be the responsibility of Viega LLC.

Under this Limited Warranty, you only have a right to a remedy if the failure or leak resulted from a manufacturing defect in the Viega Product and the failure or leak occurs during the warranty period. You do not have a remedy under this warranty and the warranty remedy does not apply if the failure or any resulting damage is caused by (1) components other than those sold by Viega; (2) not designing, installing, inspecting, testing, or maintaining the Viega Product in accordance with Viega's installation and product instructions in effect at the time of installation and other specifications and approvals applicable to the installation; (3) improper handling and protection of the Viega Product prior to, during, and after installation; inadequate freeze protection; or exposure to environmental or operating conditions not recommended for the application; or (4) acts of nature, such as, but not limited to, earthquakes, fire, or weather damage. Final approval as to use compatibility to a specific process or fluid application is the responsibility of the engineer of record or responsible design/facilities personnel, and this Limited Warranty only applies to manufacturing defects in the Viega Product.

In the event of a leak or other failure in the Viega Product covered by this warranty, it is the responsibility of the end user to take appropriate measures to diminish any damage, to include making timely repairs. Only if the warranty applies will Viega be responsible for the remedy under this

warranty. The part or parts which you claim failed should be kept and Viega contacted by writing to the address on the back page or telephoning 1-800-976-9819 within thirty (30) calendar days after the leak or other failure and identifying yourself as having a warranty claim. You should be prepared to ship, at your expense, the product which you claim failed due to a manufacturing defect; and document the date of installation and the amount of the repair or replacement if performed by you. Within a reasonable time after receiving the product, Viega will investigate the reasons for the failure, which includes the right to inspect the product at a Viega location and reasonable access to the site of damage. Viega will notify you in writing as to the results of its review.

In the event that Viega determines that the failure or leak was the result of a manufacturing defect in the Viega Product covered by this warranty and to which this warranty applies, the EXCLUSIVE AND ONLY REMEDY under this warranty shall be the reimbursement for reasonable charges for repair or replacement of the Viega Product itself. VIEGA SHALL NOT BE LIABLE FOR CONSEQUENTIAL OR OTHER DAMAGE (FOR EXAMPLE, ECONOMIC LOSS OR WATER, PROPERTY, OR MOLD REMEDIATION) UNDER ANY LEGAL THEORY AND WHETHER ASSERTED BY DIRECT ACTION, FOR CONTRIBUTION OR INDEMNITY OR OTHERWISE.

THE ABOVE WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OR ANY STATUTE OF LIMITATIONS RELATING TO SUCH WARRANTIES. Other than this Limited Warranty, Viega does not authorize any person or firm to create for it any other obligation or liability in connection with its products.

This Limited 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.



Viega LLC

585 Interlocken Blvd
Broomfield, CO 80021

Ph: 800-976-9819
Fax: 800-976-9817
www.viega.us

