

MegaPress FKM



2.3

viega

MegaPress FKM

Viega MegaPress FKM is the first and only clean, secure and efficient choice for joining ½" to 4" carbon steel pipe with an FKM sealing element (formerly known as MegaPress XL for sizes 2½" to 4"). Meticulously engineered, it is suitable for renovations, repairs or installation on new carbon steel pipe systems. Viega MegaPress FKM can even be installed on noncombustible/flammable lines that are not completely shut down, eliminating the need to fully drain a system, and shortening repair and installation time. It is approved for use in hydronic heating, compressed air, fire protection, cooling water, marine applications and many more. Not approved for use with potable water.

FEATURES AND BENEFITS

- Engineered with a 420 stainless steel grip ring plus a 304 stainless steel separator ring for sizes ½" to 2" and a PBT separator ring for sizes 2½" to 4"
- Approved for more applications than any other carbon steel pipe press fitting system
- Suitable for use with ASTM Schedule 5 to Schedule 40 carbon steel pipe (can be used on higher schedule pipe, but limited to maximum pressure listed)
- Corrosion-resistant zinc nickel coating
- Over 180 engineered fitting configurations from ½" to 4"
- Approved for underground applications, in accordance with code and local AHJ
- The same hanger and support requirements as threaded systems
- Viega Smart Connect technology provides installers added confidence in their ability to ensure secure connections
- UL and FM listed for fire-protection applications
- Not approved for use with Schedule 10½" to 1" pipe where UMC codes apply

CODES AND STANDARDS

- ASME B31: Code for Pressure Piping
- ASME B31.1: Power Piping
- ASME B31.3: Process Piping
- ASME B31.9: Building Service Piping
- IACS UR P2: Rules for piping design, construction and testing
- IAPMO PS-117: Press Connections
- IAPMO: Uniform Mechanical Code (UMC)
- IAPMO: Uniform Solar, Hydronics and Geothermal Code (USHGC)
- ICC: International Mechanical Code (IMC)
- ICC: International Residential Code (IRC)
- ICC-ES LC1002-2013, Press-Connect Fittings for Potable Water Tube and Radiant Heating Systems
- NFPA 13: Standard for the Installation of Sprinkler Systems
- NFPA 13D: Standard for the Installation of Sprinkler Systems in One- and Two-Family Dwellings and Manufactured Homes
- NFPA 13R: Standard for the Installation of Sprinkler Systems in Low-Rise Residential Occupancies

LISTINGS AND CERTIFICATIONS

- ABS: American Bureau of Shipping Type Approval
- BV: Bureau Veritas Type Approval
- Canadian Registration Number (CRN): 14541.5 A/B/C
- DNV GL: Det Norske Veritas Germanischer Lloyd Type Approval
- FM Class 1920: Pipe Couplings and Fittings for Aboveground Fire Protection Systems (2½" to 4" only)
- IAPMO file M8332 (MegaPress FKM)
- ICC-ES LC1002: Press-Connection Fittings for Potable Water Tube and Radiant Heating Systems
- ICC-ES PMG-1124 (MegaPress)
- LR: Lloyd's Register Type Approval
- RINA: Registro Italiano Navale
- ANSI/CAN/UL 213: Standard for Rubber Gasketed Fittings for Fire-Protection Service
- United States Coast Guard Acceptance Letter 2019-3650

NOTE

A white dot on a Viega MegaPress fitting indicates Smart Connect technology with an FKM sealing element.


Viega MegaPress adapter
Smart Connect technology

- For use with Sch.5 to Sch.40 carbon steel pipe
- Carbon steel
- Press connection, male pipe thread

Components

FKM sealing element

Note

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

Model 4811XL

P	MPT	Wt [lb]	Quantity	Part No	DG
2½	2½	1.895	1	26640	12
3	3	2.314	1	26645	12
4	4	4.020	1	26650	12


Viega MegaPress adapter
Smart Connect technology

- For use with Sch.5 to Sch.40 carbon steel pipe
- Carbon steel
- Press connection, female pipe thread

Components

FKM sealing element

Model 5912

P	FPT	Wt [lb]	Quantity	Part No	DG
½	½	0.251	10	84275	12
¾	½	0.306	10	84750	12
¾	¾	0.322	10	84280	12
1	½	0.450	5	84755	12
1	¾	0.441	5	84760	12
1	1	0.541	5	84285	12
1¼	½	0.679	1	84765	12
1¼	¾	0.703	1	84770	12
1¼	1	0.789	1	84775	12
1¼	1¼	0.705	1	84290	12
1½	½	0.864	1	84780	12
1½	¾	0.882	1	84785	12
1½	1	0.976	1	84790	12
1½	1¼	0.886	1	84795	12
1½	1½	0.967	1	84295	12
2	¾	1.168	1	84800	12
2	1	1.254	1	84805	12
2	1½	1.217	1	84810	12
2	2	1.358	1	84300	12


Viega MegaPress adapter
Smart Connect technology

- For use with Sch.5 to Sch.40 carbon steel pipe
- Carbon steel
- Press connection, female pipe thread

Components

FKM sealing element

Note

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

Model 4812XL

P	FPT	Wt [lb]	Quantity	Part No	DG
2½	2½	2.036	1	26655	12
3	3	2.623	1	26660	12
4	4	3.557	1	26665	12

Flanges


Viega MegaPress flange
Smart Connect technology

- For use with Sch.5 to Sch.40 carbon steel pipe
- Carbon steel
- Press connection

Components

FKM sealing element

Model 5959.5

P	BP	BPd	Wt [lb]	Quantity	Part No	DG
½	4	2¾	1.400	1	84845	12
¾	4	2¾	1.849	1	84850	12
1	4	3⅞	2.473	1	84855	12
1¼	4	3½	3.006	1	84860	12
1½	4	3⅞	4.022	1	84865	12
2	4	4¾	5.907	1	84870	12

BP = bolt pattern

BPd = bolt pattern diameter