

1 System Data Sheet

MegaPress FKM Fittings



MegaPress FKM is a carbon steel, cold press system designed for use in chilled water, hydronic heating, compressed air, and fire sprinkler applications. MegaPress FKM fittings in sizes from ½" to 4" are offered in configurations including: elbows, couplings, no-stop couplings, reducers, tees, reducing tees, adapters, unions, caps, and flanges.

Components

- Alloy: carbon steel with corrosion-resistant zinc/nickel coating
- FKM sealing element
- 420 stainless steel grip ring
- 304 stainless steel separator ring for ½" to 2" fittings
- PBT separator ring for 2½" to 4" fittings

Operating Parameters

- Operating Pressure: 200 psi max
- Test Pressure: 600 psi max
- Operating Temperatures: 14° F to 284° F
(with temperature spikes up to 356° F)

Listings and Certificates

- | | |
|----------------------------|--|
| ■ ANSI/CAN/UL 213 | The following apply to
2½" to 4" fittings only: |
| ■ ASME B31.1, B31.3, B31.9 | |
| ■ ASTM F3226 | ■ FM Class 1920 |
| ■ CRN 23019.5 A/B/C | |
| ■ IAPMO PS117 | |
| ■ ICC LC1002 | |
| ■ NFPA 13, 13D, 13R | |

Compliant With

- ASME B31: Code for Pressure Piping
- IAPMO Uniform Mechanical Code (UMC)
- ICC International Mechanical Code (IMC)
- ICC International Residential Code (IRC)
- National Building Code of Canada (NBCC)
- National Plumbing Code of Canada (NPCC)

Approved Applications

- Fire Sprinkler
- Hydronics
- Low Pressure Steam
- Fuel Oil
- Industrial Gases
- Compressed Air
- Vacuum

MegaPress FKM is not approved for potable water application. For more specific information on applications for MegaPress FKM, contact Viega Technical Services at 1-800-976-9819.

MegaPress FKM systems are approved for underground use and must be protected against corrosion in accordance with NFPA 54 section 404.8, NACE Standard RP0169-2002 section 5, 2009 UPC Chapter 6 section 609.3.1, 2009 UMC Chapter 13 section 1312.1.3, and in accordance with local and national codes.

MegaPress FKM fittings are designed for use in piping systems utilizing ASTM A53, A106, A135, and A795 Schedule 5 to Schedule 40 carbon steel pipe.

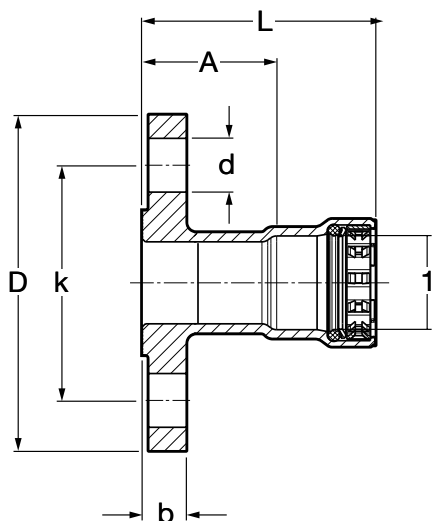
Recommended Tools

- Standard size press tool (minimum hydraulic ram output of 7200 lbs.)
- #56013 MegaPress jaw/ring kit (½" to 2")
- Viega 26200 PressBooster with 2½" MegaPress XL ring
- Viega 26201 3" and 4" MegaPress XL rings
- #57081 Z3 Actuator with 2½" ring (must be used with press gun with minimum 80mm press stroke)

Smart Connect® Technology

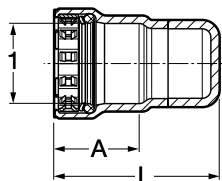
MegaPress FKM fittings are manufactured with Viega's unique Smart Connect technology. A design of the fitting, Smart Connect technology allows identification of an unpressed fitting during pressure testing.

MegaPress Flange, Carbon Steel, P x BP - Models 4859.5 / 5959.5 / 6659.5



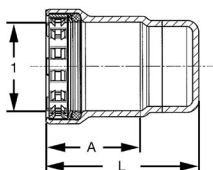
Part No.			Size (in)	A (in)	L (in)	b (in)	k (in)	D (in)	d (in)
EPDM	FKM	HNBR	1						
25760	84845	25761	1/2	1.51	2.58	0.46	2.36	3.54	0.63
25765	84850	25766	3/4	1.58	2.74	0.52	2.76	3.94	0.63
25770	84855	25771	1	1.75	3.10	0.58	3.11	4.33	0.63
25775	84860	25776	1 1/4	1.89	3.71	0.64	3.50	4.53	0.63
25780	84865	25781	1 1/2	2.06	3.93	0.70	3.86	4.92	0.63
25785	84870	25786	2	2.07	4.06	0.77	4.76	5.91	0.75

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



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

Viega MegaPress Cap P - Models 4856.1XL / 6656.1XL



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