

# 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<br>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)

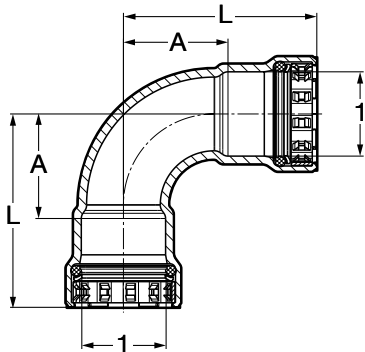
### Smart Connect® Technology

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.

# 4 Dimensional Documents

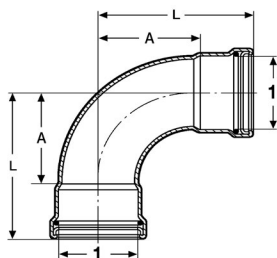
## MegaPress 1/2" to 4" Fittings

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



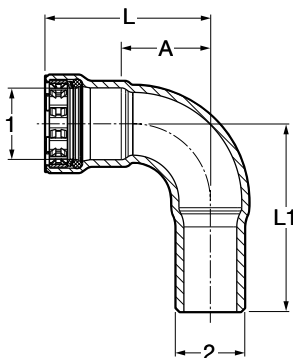
EPDM	Part No.		Size (in)	A (in)	L (in)
	FKM	HNBR			
25200	84305	25201	1/2	1.17	2.24
25205	84310	25206	3/4	1.36	2.52
25210	84315	25211	1	1.72	3.07
25215	84320	25216	1 1/4	2.00	3.82
25220	84325	25221	1 1/2	2.26	4.13
25225	84330	25226	2	2.80	4.78

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



FKM	Part No.		Size (in)	A (in)	L (in)
	HNBR				
26500	28600		2 1/2	4.15	5.94
26505	28605		3	4.76	7.09
26510	28610		4	6.00	9.17

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



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