

# 1 System Data Sheet

## MegaPress 304 FKM



MegaPress 304 FKM fittings are designed to be used with standard IPS ASTM A312 stainless steel pipe to form a complete press system that is ideal for industrial applications. MegaPress 304 FKM ½" to 2" fittings can be used with Schedule 5 to Schedule 40 stainless steel pipe and

2½" to 4" fittings can be used with Schedule 10 to Schedule 40 stainless steel pipe. A MegaPress 304 FKM system can stand up to harsh environments while transporting process water, diesel fuel, lube oil, ammonia, low pressure steam, or any number of other essential fluids or gases. MegaPress 304 FKM fittings in sizes from ½" to 4" are offered in configurations including: elbows, couplings, reducers, tees, reducing tees, threaded adapters, unions, caps, and flanges.

### Components

- Alloy: 304 stainless steel
- 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
- Operating Temperatures: 14°F to 284°F (with temperature spikes up to 356°F)

### Listings and Certificates

- |                            |                         |
|----------------------------|-------------------------|
| ■ ABS type approval        | ■ NFPA 13, 13D, 13R     |
| ■ ASME B31.1, B31.3, B31.9 | The following apply to  |
| ■ BV (Bureau Veritas)      | ½" to 2" fittings only: |
| ■ CRN 13492.5 A/B/C        | ■ FM Class 1920         |
| ■ DNV-GL                   | ■ UL/ANSI 213           |
| ■ IAPMO PS117              | ■ ULC/ANSI ORD-C213-ES  |
| ■ ICC-ES LC1002            |                         |
| ■ Lloyd's Register         |                         |

### Compliant With

- ASME B31
- ASTM A312
- ASTM A554
- 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

- |                         |                               |
|-------------------------|-------------------------------|
| ■ Low pressure steam    | ■ Acid solutions              |
| ■ Industrial gases      | ■ Vacuum                      |
| ■ Compress air (no oil) | ■ Process water (non-potable) |
| ■ Lube oil              |                               |
| ■ Caustic solutions     |                               |

For more specific information on applications for MegaPress 304 FKM, contact Viega Technical Services at 1-800-976-9819.

MegaPress 304 FKM systems are approved for underground use. When installed underground, MegaPress 304 FKM should have proper corrosion protection in accordance with local and national codes.

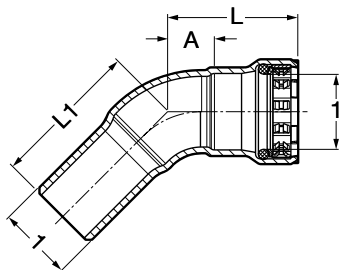
### Recommended Tools

- Standard size press tool (minimum hydraulic ram output of 7200 lbs.)
- #56013 MegaPress jaw/ring kit (½" to 2")
- #26200 MegaPress XL PressBooster with 2½" press ring
- #26201 MegaPress XL 3" and 4" press ring kit

### Smart Connect® Technology

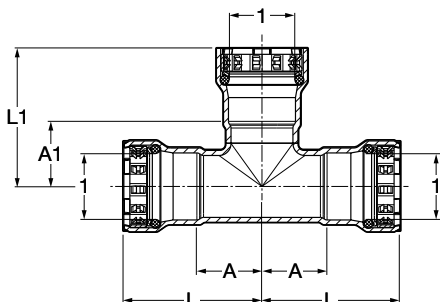
MegaPress 304 FKM fittings are manufactured with Viega's unique Smart Connect technology. Designed into the fitting itself, Smart Connect technology allows identification of an unpressed fitting during pressure testing.

**MegaPress 45° Elbow, Stainless Steel, FTG x P - Models 4126.1 / 5126.1 / 6826.1**



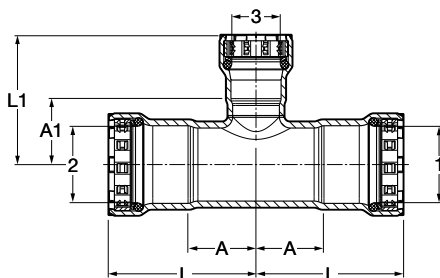
Part No.			Size (in)	A (in)	L (in)	L1 (in)
304 FKM	316 EPDM	316 FKM				
95080	90080	91785	1/2	0.56	1.67	1.97
95085	90085	91790	3/4	0.67	1.87	2.13
95090	90090	91795	1	0.82	2.20	2.52
95850	90900	91800	1 1/4	0.94	2.80	2.99
95095	90095	91805	1 1/2	1.08	2.99	3.07
95100	90100	91810	2	1.28	3.29	3.58

**MegaPress Tee, Stainless Steel, P x P x P - Models 4118 / 5118 / 6818**



Part No.			Size (in)	A (in)	A1 (in)	L (in)	L1 (in)
304 FKM	316 EPDM	316 FKM					
95105	90105	91600	1/2	0.97	0.93	2.08	2.04
95110	90110	91605	3/4	1.09	1.05	2.29	2.24
95115	90115	91610	1	1.24	1.20	2.63	2.59
95795	90845	91640	1 1/4	1.41	1.31	3.27	2.42
95120	90120	91615	1 1/2	1.57	1.56	3.48	3.47
95125	90125	91620	2	1.81	1.76	3.82	3.77

**MegaPress Reducing Tee, Stainless Steel, P x P x P - Models 4118 / 5118 / 6818**



Part No.			Size (in)			A (in)	A1 (in)	L (in)	L1 (in)
304 FKM	316 EPDM	316 FKM	1	2	3				
95130	90130	91625	3/4	x 3/4	x 1/2	1.09	1.02	2.29	2.13
95135	90135	91630	1	x 1	x 1/2	1.24	1.17	2.63	2.28
95140	90140	91635	1	x 1	x 3/4	1.24	1.20	2.63	2.40
95855	90905	91645	1 1/4	x 1 1/4	x 1/2	1.41	1.31	3.27	2.42
95860	90910	91650	1 1/4	x 1 1/4	x 3/4	1.41	1.35	3.27	2.55
95865	90915	91655	1 1/4	x 1 1/4	x 1	1.41	1.34	3.27	2.73
95145	90145	91660	1 1/2	x 1 1/2	x 1/2	1.57	1.42	3.48	2.53
95150	90150	91665	1 1/2	x 1 1/2	x 3/4	1.57	1.46	3.48	2.65
95155	90155	91670	1 1/2	x 1 1/2	x 1	1.57	1.45	3.48	2.84
NA	NA	91910	1 1/2	x 1 1/2	x 1 1/4	1.57	1.50	3.48	3.36
95160	90160	91675	2	x 2	x 1/2	1.81	1.72	3.82	2.83
95165	90165	91680	2	x 2	x 3/4	1.81	1.74	3.82	2.93
95170	90170	91685	2	x 2	x 1	1.81	1.70	3.82	3.09
NA	NA	91915	2	x 2	x 1 1/4	1.81	1.81	3.82	3.67
95175	90175	91690	2	x 2	x 1 1/2	1.81	1.80	3.82	3.71