Boss™ LPS
Low Pressure Systems

Frac Fittings

Application:
• specifically designed for the transfer of water, chemicals and sand slurry at hydraulic fracturing sites

Sizes:
• 2", 3", 4", 6" and 8"

Materials:
• male NPT fittings: machined iron
• 2", 3", 4" and 6" are schedule 80 pipe
• 8" is schedule 40 pipe
• stems: zinc plated
• nut: forged steel meeting AISI standards

Features:
• one-piece stem design eliminates the leak path common with two-piece threaded systems
• interchangeable with current fittings; phase them into your operation
• designed to work with Dixon® King Crimp™ sleeves or ferrules

Specifications:
• 2", 3" and 4" sizes: 400 PSI working pressure at 70°F (21°C); 4:1 safety factor
• 6" size: 230 PSI working pressure at 70°F (21°C) 4:1 safety factor
• 8" size: 150 PSI working pressure at 70°F (21°C) for 3:1 safety factor

Approval:
• frac fittings iron machined to ASTM standards
• forged nuts meet AISI standards

1 400 PSI working pressure with a minimum 4:1 safety factor (hose burst: hose working pressure) is only achieved with:
• 2" and 3" sizes use standard crimp ferrules
• 4" size requires heavy duty crimp ferrules, CF400-6CSHD through CF400-16CSHD, and heavy duty stems

Note: Water and petroleum transfer hoses rated from 100 to 300 PSI WP (4:1 safety factor) have excellent test results with the standard King Crimp™ ferrules CF400-xxCS.
**Figure 206 Frac Fittings (316 stainless steel)**

**Application:**
- used in the transfer of water, chemicals and sand slurry at hydraulic fracturing sites

**Sizes:**
- 1", 2" and 4"

**Material:**
- 316 stainless steel

**Feature:**
- one-piece stem design eliminates leak path experienced with two-piece threaded systems interchangeable with reliable brands

**Specifications:**
- 1" and 4" sizes: **400 PSI (28 BAR)** working pressure at **70°F (21°C)**; 4:1 safety factor (SF)\(^1\) female and male with King Crimp™ ferrules
- 2" size: **300 PSI (21 BAR)** working pressure at **70°F (21°C)**; 4:1 safety factor, female and male with King Crimp™ ferrules

\(^1\) 400 PSI (28 BAR) working pressure with a minimum 4:1 safety factor (hose burst: hose working pressure) is only achieved with: 4" size requires heavy duty (HD) crimp ferrules: CF400-6CSHD through CF400-16CSHD. Heavy duty SS are not available.

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**Suction Service Fittings**

**Application:**
- used in the transfer of dry cement, and in mud system suction lines

**Size:**
- 5"

**Material:**
- forged steel

**Features:**
- socket weld male and female unions can be attached to hose fittings or pipe
- weld ready hose fittings
- two-piece nut is pinned and bolted for easy service and repair

**Specification:**
- available configurations: socket weld x suction male hammer union, socket weld x suction female hammer union, King™ combination nipple, figure 50 suction hammer union split nut (includes bolts)

**Approval:**
- 2-piece nuts meet AISI standards