KF Industries
Product Summary

Superior Fluid Control Products
A Brand of CIRCOR Energy Products, Inc.
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When quality counts, **Specify KF Industries**.
We’re dedicated to providing our customers with technically superior products that are designed, manufactured, and tested to the exacting standards of various qualifying authorities. Other additional non-destructive or destructive examination may be performed to customer requirements or specifications. Please contact KF Industries for additional information and clarification.

Ask your KF Representative about our complete line of technically superior flow control products.

Specifications Conformance

KF valves are designed, manufactured and tested in accordance with API, ANSI and ASME requirements. The following list contains the most important applicable standards. KF valves may be produced in accordance with other standards on request.

ANSI-American National Standard Institute
B 1.20.1 Pipe threads, general purpose.
B 16.5 Steel pipe flanges and flanged fittings.
B 16.10 Face-to-face and end-to-end dimensions of ferrous valves.
B 16.25 Butt welding ends.
B 16.34 Steel valves-flanged and butt welding ends.

API-American Petroleum Institute
Spec. 6A Specification for wellhead valves.
Spec. 6D Specification for pipeline valves.
Spec. 6FA Specification for fire testing of valves.
Std. 607 Fire test for soft seated quarter-turn valves.
Spec. Q1 Quality program.
Spec. 5B EUE External upset tubing threads.

ISO 9001-International Organization for Standardization
ISO 9001 Quality systems-model for quality assurance in design, development, production, installation and servicing.

MSS-Manufacturers Standardization Society
SP 6 Standard finishes for contact faces of pipe flanges and connecting-end flanges of valves and fittings.
SP 25 Standard marking system for valves, fittings, flanges and unions.
SP 55 Quality standard for steel castings.

NACE-National Association of Corrosion Engineers
MR0175 Sulfide stress cracking resistant metallic materials for oilfield equipment.

KF Industries reserves the right to change designs, materials or specifications without notice or without obligation to furnish or install such changes on products previously or subsequently sold.
KF Threaded & Grooved-End Floating Ball Valves

**Features**
- Full & Reduced Port
- Threaded & Grooved End Connections
- External Grease Fitting For Stem Journal Lubrication
- Weather Seal (Stem)
- Firesafe API 607 4th Edition
- Blowout Proof Stem Design
- Heavy Duty Flattened Stem Design
- Metal-To-Metal Firesafe Sealing
- Integral Locking Device
- Manual Operation Handle

**Optional Features**
- AntiStatic Device
- Actuation & Square Nut Assemblies
- Enduro-Bond™ Coating For Corrosion Resistance
- Valves Specified with Stainless Steel Trim Meet NACE MR0175
- Anti-Freeze Design*

*Available upon request.

**Series A & AH**
Ductile Iron Body
Series A - 1"FP - 4"RP, 1000-1500 psi
Series AH - 1"FP - 3"RP, 1500-2000 psi

**Series C, CH & CXH**
Carbon or Stainless Steel Body
Series C - 1"FP - 4"FP, 1000-2500 psi
Series CH - 1"FP - 4"FP, 2000-3000 psi
Series CXH - 1"FP - 2"RP, 5000 psi

**Series CA & CAH**
Carbon Steel Body,
2³/₈ EUE X 2¹/₁₆ Bore & 2⁷/₈ EUE X 2³/₁₆ Bore
Series CA - 1000-2000 psi
Series CAH - 3000 psi

**Series CB & CBH**
Nickel Aluminum Bronze Body
1"FP - 2"FP
Series CB - 1000-2500 psi
Series CBH - 3000 psi

**Series E, EH & EC**
Series E-Ductile Iron Body, 2"RP-4"RP, 750 CWP
Series EH-Ductile Iron Body, 2"RP-4"RP, 1000 CWP
Series EC-Stainless Steel Body, 2"RP-3"RP, 750 PSI

Note: Padlocks not included.
Consult Factory.
KF Commodity Ball Valves

**Series HC-730, 740 & 710, HS-810 & 820 & HB-600**

HC-730 - Carbon Steel Unibody, 1/2"-2", 1500-2000 CWP
HC-740 - Carbon Steel Two-Piece, 1/4"-2", 1500-2000 CWP
HC-710/HS-810 - Carbon & Stainless Steel Unibody, 1/4"-2", 2000 CWP
HS-820 - Stainless Steel Seal Welded Two-Piece, 1/4"-2", 2000 CWP
HB-600 - Bronze Two-Piece 1/4"-4", 400-600 CWP

**Features**
- Two-Piece & Unibody, Cast, Investment Cast & Bar Stock Body
- Designed For Hydraulic Hook-Ups, Offshore Applications, Well Heads, Production Lines, Petroleum & Chemical Plant Applications
- Chrome Plate Ball
- Reinforced PTFE Seats
- Blowout Proof Stem
- Optional Locking Device

**Optional Features**
- Antistatic Device
- Actuation & Square Nut Assemblies
- Enduro-Bond™ Coating For Corrosion Resistance
- Valves Specified With Stainless Steel Trim Meet NACE MR0175

**Series HC740**

**Series HS-820**

**Series HB610**

KF Floating Threaded Bolted Body Ball Valves

**Features**
- Full & Reduced Port
- Threaded End Connections
- Bolted Body Adapter Connection
- External Grease Fitting For Stem Journal Lubrication
- Weather Seal (Stem)
- FireSafe API 607 4th Edition
- Blowout Proof Stem Design
- Heavy Duty Flatted Stem Design
- Metal-To-Metal FireSafe Sealing
- Integral Locking Device
- Manual Operation Handle

**Optional Features**
- Antistatic Device
- Actuation & Square Nut Assemblies
- Enduro-Bond™ Coating For Corrosion Resistance
- Valves Specified With Stainless Steel Trim Meet NACE MR0175

**Series AF & AFH**

Ductile Iron Body
Series AF - 2" RP - 4" RP, 1000-1500 psi
Series AFH - 2" RP - 3" RP, 2000 psi

**Series CF, CFH & CFXH**

Carbon Steel Body
Series CF - 2" RP - 4" FP, 1500-2500 psi
Series CFH - 2" RP - 4" FP, 3000 psi
Series CFXH - 2" RP & 2" FP, 5000 psi
KF Threaded End Floating Ball Valves

**Features**
- Full & Reduced Port
- Threaded End Connections
- Weather Seal (Stem)
- Blowout Proof Stem Design
- Heavy Duty Flatted Stem Design
- Metal-To-Metal Firesafe Sealing
- Manual Operation Handle

**Optional Features**
- Antistatic Device
- Actuation & Square Nut Assemblies
- Enduro-Bond™ Coating For Corrosion Resistance
- Valves Specified With Stainless Steel Trim Meet NACE MR0175

**Series B & BH • 3-Piece Design**
Carbon, Stainless or Low Temp Carbon Steel Body
Series B - 1/4”FP - 2”RP, 2250 - 3000 psi
Series BH - 1/4”FP - 1”FP, 5000 psi

**Series W**
Carbon or Stainless Steel Body
1/4”FP - 2”RP, 1500 - 2000 CWP

**KF Flanged End Floating Ball Valves**

**Features**
- NACE MR0175 (ISO 15156)
  (SS Ball/Stem Configuration)
- Weather Seal (Class 600 & Higher)
- Actuator Mounting Pad
  (4 Bolt Machined)
- API 6D Monogrammed, API 607 4th Edition* (O-Ring & Graphite)
- Secondary Metal-to-Metal Sealing
- Full Rated Bi-Directional Dead End Service
- Antistatic Device
- Lockable Handle
- O-Ring Design (Std.)
- Graphite Or Teflon® Packing
  (Optional For Class 150 & 300)

*Not applicable to Teflon® packed.

**Series F**
Carbon, Stainless or Low Temp Carbon Steel Body
1”FP-12”RP, Class 150, 300, 600, 900 & 1500
KF Trunnion Supported Ball Valves

Features

- Double Block & Bleed
- Blowout Proof Stem Design
- Corrosion Resistant Low Friction Bearings
- Inconel Wave Springs Assist In Low Pressure Sealing
- Firesafe Trim
- 3 mil ENP Ball, Stem & Seat Carriers
- Stainless Steel Injection Fittings For Emergency Stem Or Seat Sealant & Lubrication Maintenance
- Minimized Torque Required To Open & Close Valve
- Antistatic Grounding Between Ball, Stem & Body
- NACE MR0175 (ISO 15156)
- Integral Topworks Direct Mounting Pad
- 8” & Larger Valves Are Equipped With Lifting Lugs
- Bi-Directional

Series T Top Entry (Inline Repairable)

Top Entry One-Piece Carbon Steel, Low Temp Carbon Steel or Stainless Steel Body
2”FP-16”FP, Class 600
2”FP-12”FP, Class 900, 1500 & 2500
2 1/16”FP-7 1/16”FP, API 2000, 3000 & 5000

Series P3 • 3-Piece Design

Three-Piece Carbon Steel, Low Temp Carbon Steel or Stainless Steel Body
14”FP-24”FP, Class 150 & 300
2”FP-36”FP, Class 600
2”FP-24”FP, Class 900
2”FP-12”FP, Class 1500 & 2500

Series FA • 2-Piece Design

Two-Piece Carbon Steel, Low Temp Carbon Steel or Stainless Steel Body
2”FP-14”RP, Class 150 & 300
KF Check Valves

**Features**
- Long Pattern
- Short Pattern
- Single Disc
- Internal Spring Assist
- No Spring Assist
- External Spring Assist
- Air Cushion

**Specifications**
- ANSI B16.34 & B16.5
- API 6D (Monogrammed)
- API 607 4th Edition
- API 594, 6A & 6FD

**Certified**
- CE Mark (Optional)
- NACE MR0175
- ISO 15156

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**Series 10 & 10S**
2"-.72", ANSI Class 150, 300, 600, 900, 500 & 2500, API 2000, 3000 & 5000
Wafer Long Pattern Single Disc, Internal Spring Assist
NACE MR0175 (ISO 15156) & CE Mark

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**Series 12**
2"-.24", ANSI Class 150, 300, 600 & 900
Wafer Short Pattern
Single Disc, No Spring Assist

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**Series 18**
4"-.12", ANSI Class 125 & 150
Wafer Style, External Spring Assist w/Back Flush Lever
ANSI B16.1 & B16.5

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**Series 20 & 22**
2"-.72", ANSI Class 125 & 150
Wafer Semi-Lug Single Disc External Spring Assist, Air Cushion (Series 22 only)
ANSI B16.1 & B16.47

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**Series 31**
1"-.4", MOP 300, 750, 2200, 3000 & 5000 psi
Threaded and Grooved Ends, Single Disc, No Spring Assist
NACE MR0175 (ISO 15156)
KF Check Valves (cont.)

**Series 35**
2"-24", ANSI Class 150, 300, 600, 900, 1500 & 2500, API 2000, 3000 & 5000
Flanged End, Weld-End, Long Pattern, Single Disc, Internal Spring Assist, No Spring Assist

**Series 50**
2"-8", ANSI Class 300, 600 & 900
Spring Assisted Closure, Precisely Metered Piston Orifice
ANSI B16.34 & B16.5

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**KF Needle & Isolator Valves**

**Features**

**Packed Bonnet Style**
- Available in Hard & Soft Seat For Pressures Up To 10,000 psi.
- Stainless Steel Stem & Teflon® Or Grafoil® Packing
- Optional Graphfoil® Packing For Temperatures Up To 1000°F
- NACE Conformance Available

**O-Ring Style**
- Accurate Regulation At Pressures Up To 6000 psi For Soft Seat & 10,000 psi For Metal Seat.
- Temperature Limit 400°F
- NACE Conformance Available

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**Packed Bonnet & O-Ring Style Needle Valves**
Carbon or Stainless Steel Body
- Packed Bonnet - 1/4"-1" NPT, Up to 10,000 psi
- O-Ring - 1/4"-1/2" NPT, Soft Seated, Up to 6000 psi, Metal Seated, Up to 10,000 psi

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**Features**
- Enables Isolation Of The Safety Relief Valve From The Pressure Source For Relieving Set Point Verification Without Shutdown Or Removal
- Latch-Lock Handles On Isolator & Test Port Valve
- Seal Welded Body & Test Port Valve

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**KF-AIV Isolator Valves**
Carbon or Stainless Steel Body
- 1"-2" NPT, 1500-5000 psi
- 1"-6" ANSI Flanged, 150-1500 psi
KF Butterfly Valves

Features
- Installs Between ANSI 125 Or 150 Flanges
- PTFE Bushings 2"-12"
- Bronze Bushings 14"-36"
- Lugged Style Valves Suitable For Bi-Directional Dead End Service At Full Rated Pressure
- Lockable Handle, Easily Locked In Full Open Or Full Closed Position
- Maximum Size Stem Diameter Offers Greater Strength & Increases the Life Of The Valve
- Standard Polished Bronze Disc With Replaceable Buna N O-Ring
- Seats Available In Buna N & Viton® A
- One-Piece Shaft Through 24"
- Direct Mount Topworks (2"-10")
- 29" HG Vacuum Rating
- ISO 5211 Topworks
- Optional Fluoroelastomer O-Ring Material Is Available.
- Disc & Stem O-Rings Are Easily Replaced In The Field
- One-Piece Cast Iron, Nickel Plated Body For Corrosion Resistance
- Trim For Salt Water Is Available

Specifications
- MSS SP-67
- API 609

Series BG
2"-36", Wafer or Lug Ductile Iron Body
2"-12", 200 PSI
14"-36", 150 PSI

Series 2200
One-Piece Cast Iron Body (Electro Plated Nickel)
2"-6", 200 WOG
**KF Specialty Ball Valves**

**Features**
- Engineered & Manufactured For Severe Oilfield Applications Including Well Treating & Frac Service, High Pressure Mud Mixing Lines, Production Manifolds & Standpipe Manifolds
- Easy To Replace Seats For Positive Sealing

**Series K1**
One-Piece Stainless Steel Investment Cast Body
1/4" - 2" NPT, 2000 psi

**Series K3**
Rugged Three-Piece Forged Steel Design
1/4" - 2" NPT
3000 & 6000 psi, A105 & A350-LF2 Material

**TOP FLOW Rubber Seated Gate Valve**

**Features**
- Engineered & Manufactured For Severe Oilfield Applications Including Well Treating & Frac Service, High Pressure Mud Mixing Lines, Production Manifolds & Standpipe Manifolds
- Easy To Replace Seats For Positive Sealing

**Series TG**
Carbon Steel Body
4" ANSI 400 & API 3000

**KF Gate, Globe & Check Valves**

Forged Steel - In a wide range of steel materials including ASTM A105N, A350-LF2, A182-F11-F5-F304-F316 & F316L
1/4" - 2", ANSI Class 800-2500

Cast Steel - In a wide range of steel materials including ASTM A216-WCB, A352-LCC, A217-C5 & A351-CF8M
2" - 48", ANSI Class 150 - 2500

**TOP FLOW Quick Opening Closures**

**Features**
- Manufactured to ASME BPVC Section VIII Div 1 Specifications
- Each Closure Utilizes a Standard O-Ring Size
- Provides Quick Access To Piping System Interiors
- Can Be Custom Manufactured To Suit Any Application In Vertical, Horizontal Or Angled Installations

**Series TC**
Low Temp Carbon Steel Body
2" - 12", ASME 275 - 2160 psi
Worldwide Sales Offices

KF Industries, a leading brand of CIRCOR Energy Products, Inc. reaches into every corner of the globe serving the oil & gas and industrial marketplace.

Supplying an extensive range of product offerings through a worldwide network of manufacturer representatives and distributors, KF Industries is the right choice for all your flow control needs.

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