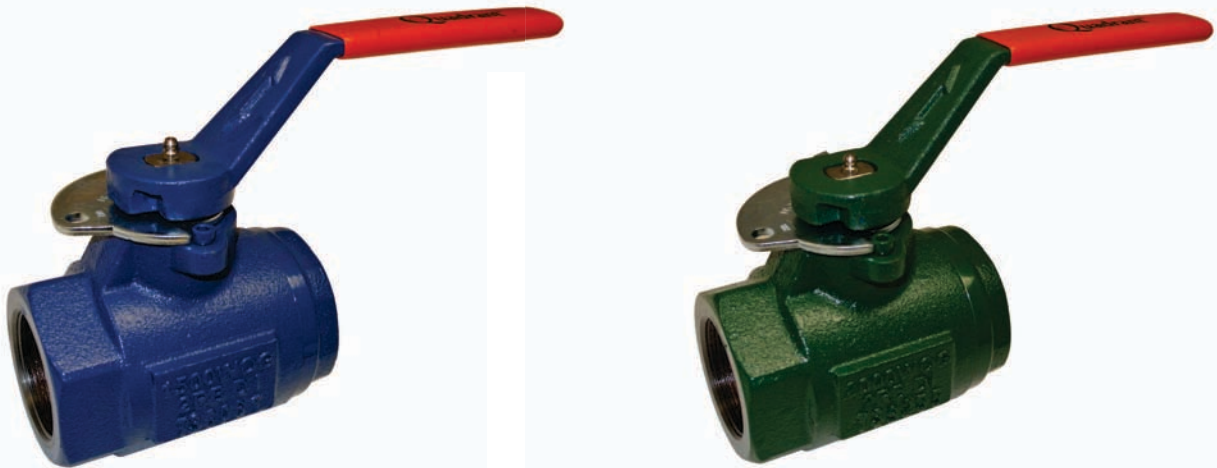


Smart Solutions. Powerful Products.



## Series Q Threaded Oilfield Ball Valves

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## Series Q Threaded Oilfield Ball Valves

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## Series QA & QH Threaded Ductile Iron Oilfield Ball Valves

### Standard Features

**Series QA: 1" FP thru 4" RP at 1000 to 1500 psi WOG**

**Series QH: 1" FP thru 2" FP at 2000 psi WOG**

- 316 Stainless Steel Trim
- Locking Devices for Added Security
- Two-Piece Construction
- Rugged Handle and Superior Wall Thickness for Tough Oilpatch Applications
- Blowout Proof Backseated Stem Design for Added Safety
- Grease Fitting on Stem Allows Constant Lubrication and Protection Against Corrosion and Moisture
- Meets NACE MR0175 2002



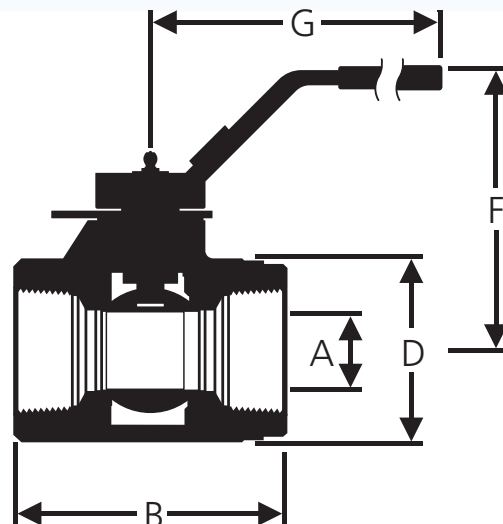
## Dimensional Data (in.)

### Series QA, ASTM A395 Ductile Iron

Size (in.)	Pressure (psi)	A	B	D	F	G	Weight (lbs.)
1" FP	1500	1	4	2 <sup>27</sup> / <sub>64</sub>	3 <sup>9</sup> / <sub>64</sub>	6 <sup>19</sup> / <sub>64</sub>	4
1 1/2" FP	1500	1 1/2	5 1/2	3 1/2	5 <sup>17</sup> / <sub>32</sub>	8 1/2	13
2" RP	1500	1 1/2	5 1/2	3 1/2	5 <sup>17</sup> / <sub>32</sub>	8 1/2	13
2" FP	1500	2	6	4 <sup>19</sup> / <sub>64</sub>	5 <sup>29</sup> / <sub>32</sub>	8 1/2	20
2 1/2" FP	1500	2 <sup>9</sup> / <sub>16</sub>	7	5 <sup>13</sup> / <sub>64</sub>	6 <sup>19</sup> / <sub>32</sub>	15	30
3" RP	1500	2	7 <sup>19</sup> / <sub>64</sub>	4 <sup>29</sup> / <sub>64</sub>	5 <sup>29</sup> / <sub>32</sub>	8 1/2	19
3" FP	1000	3	8 3/4	5 <sup>5</sup> / <sub>8</sub>	6 <sup>7</sup> / <sub>8</sub>	15	44
4" RP	1000	3	8 3/4	5 <sup>5</sup> / <sub>8</sub>	6 <sup>7</sup> / <sub>8</sub>	15	40

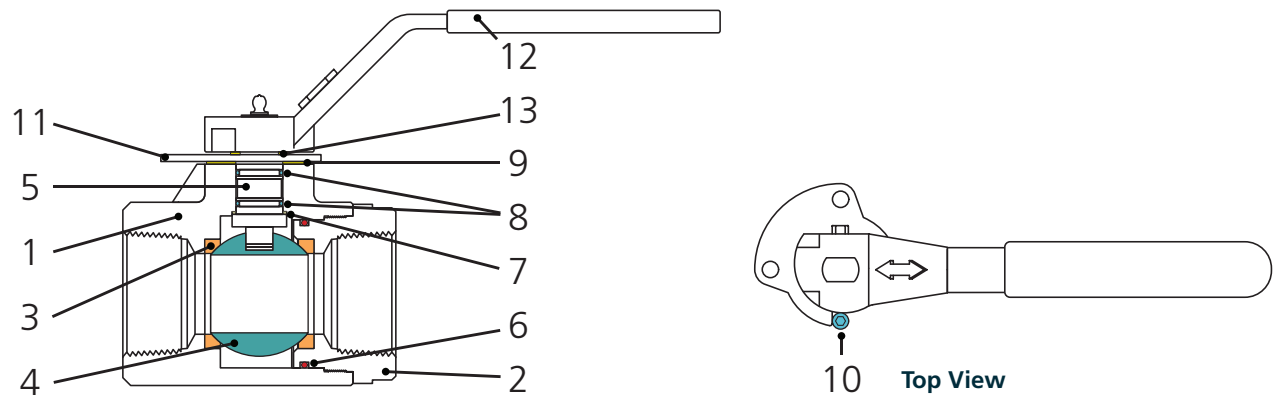
### Series QH, ASTM A395 Ductile Iron

Size (in.)	Pressure (psi)	A	B	D	F	G	Weight (lbs.)
1" FP	2000	1	4	2 <sup>27</sup> / <sub>64</sub>	3 <sup>9</sup> / <sub>64</sub>	6 <sup>19</sup> / <sub>64</sub>	4
1 1/2" FP	2000	1 1/2	5 1/2	3 1/2	5 <sup>17</sup> / <sub>32</sub>	8 1/2	13
2" RP	2000	1 1/2	5 1/2	3 1/2	5 <sup>17</sup> / <sub>32</sub>	8 1/2	13
2" FP	2000	2	6	4 <sup>19</sup> / <sub>64</sub>	5 <sup>29</sup> / <sub>32</sub>	8 1/2	20



# Series QA & QH Threaded Ductile Iron Oilfield Ball Valves

## Parts, Materials & Engineering Data



### Parts & Materials

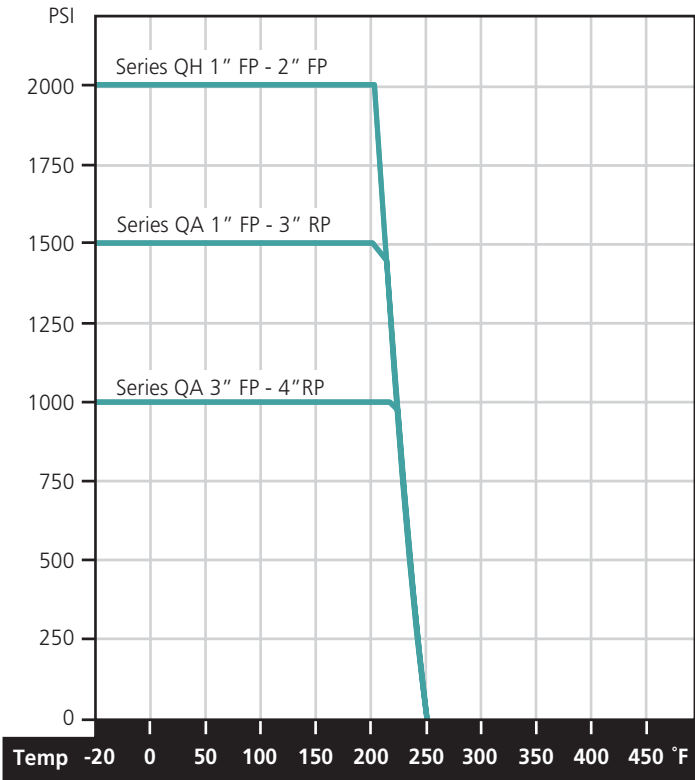
No.	Qty.	Description	Materials, Series QA/QH
1	1	Body	ASTM A395 Ductile Iron
2	1	Adapter	ASTM A395 Ductile Iron
3	2	Seat	Nylon + MOS <sub>2</sub>
4	1	Ball	316 Stainless Steel
5	1	Stem	316 Stainless Steel
6	1	Body Seal	Viton®
7	1	Thrust Bearing	PTFE
8	2	Stem Seal	Viton®
9	1	Spacer	PTFE
10	1	Stop Screw	Steel
11	1	Stop Plate	Steel Cadnium Plated
12	1	Handle	Carbon Steel
13	1	Retainer	Spring Steel

**Note:** We reserve the right to change materials and specifications.

### Break Torques (ft.-lbs.)

Size (in.)							
1" FP	1 ½" FP	2" RP	2" FP	2 ½" RP	3" RP	3" FP	4" RP
29	50	50	94	94	94	152	152

### Pressure Temperature



# Series QC, QB, & QX Carbon Steel Oilfield Ball Valves

## Standard Features

**Series QC: 1" FP thru 4" RP at 1500 to 2500 psi WOG**

**Series QB: 1" FP thru 2" FP at 3000 psi WOG**

**Series QX: 2" RP at 5000 psi WOG**

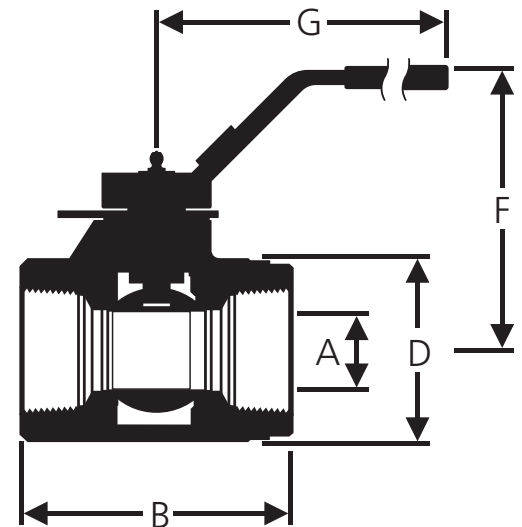
- 316 Stainless Steel Trim
- Locking Devices for Added Security
- Two-Piece Construction
- Rugged Handle and Superior Wall Thickness for Tough Oilpatch Applications
- Blowout Proof Backseated Stem Design for Added Safety
- Grease Fitting on Stem Allows Constant Lubrication and Protection Against Corrosion and Moisture
- Meets NACE MR0175 2002



## Dimensional Data (in.)

### Series QC, ASTM A216 Gr. WCB

Size (in.)	Pressure (psi)	A	B	D	F	G	Weight (lbs.)
1" FP	2500	1	4	2 <sup>27</sup> / <sub>64</sub>	3 <sup>9</sup> / <sub>64</sub>	6 <sup>19</sup> / <sub>64</sub>	4
1 1/2" FP	2500	1 1/2	5 1/2	3 1/2	5 <sup>17</sup> / <sub>32</sub>	8 1/2	14
2" RP	2500	1 1/2	5 1/2	3 1/2	5 <sup>17</sup> / <sub>32</sub>	8 1/2	13
2" FP	2500	2	6	4 <sup>19</sup> / <sub>64</sub>	5 <sup>29</sup> / <sub>32</sub>	8 1/2	20
2 1/2" FP	2500	2 <sup>9</sup> / <sub>16</sub>	7	5 <sup>13</sup> / <sub>64</sub>	6 <sup>19</sup> / <sub>32</sub>	15	32
3" RP	2500	2	7 <sup>19</sup> / <sub>64</sub>	4 <sup>29</sup> / <sub>64</sub>	5 <sup>29</sup> / <sub>32</sub>	8 1/2	23
3" FP	1500	3	8 3/4	5 5/8	6 7/8	15	50
4" RP	1500	3	8 3/4	5 5/8	6 7/8	15	45
4" FP	750	4 1/6	9 3/8	7 1/2	7 7/8	18 <sup>7</sup> / <sub>64</sub>	71



### Series QB, ASTM A216 Gr. WCB

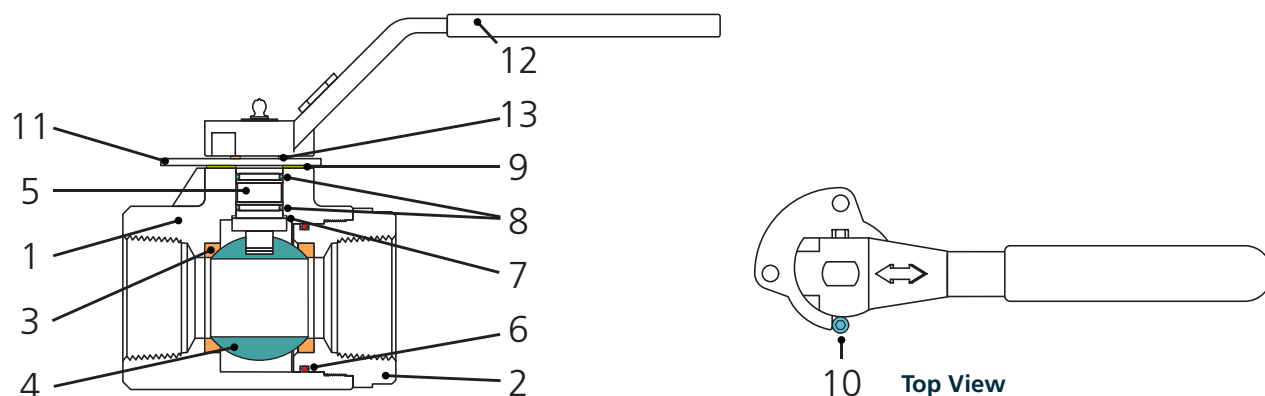
Size (in.)	Pressure (psi)	A	B	D	F	G	Weight (lbs.)
1" FP	3000	1	4	2 <sup>27</sup> / <sub>64</sub>	3 <sup>9</sup> / <sub>64</sub>	6 <sup>19</sup> / <sub>64</sub>	4
1 1/2" FP	3000	1 1/2	5 1/2	3 1/2	5 <sup>17</sup> / <sub>32</sub>	8 1/2	14
2" RP	3000	1 1/2	5 1/2	3 1/2	5 <sup>17</sup> / <sub>32</sub>	8 1/2	13
2" FP	3000	2	6	4 <sup>19</sup> / <sub>64</sub>	5 <sup>29</sup> / <sub>32</sub>	8 1/2	20

### Series QX, ASTM A216 Gr. WCB

Size (in.)	Pressure (psi)	A	B	D	F	G	Weight (lbs.)
2" RP	5000	1 1/2	5 1/2	3 1/2	5 <sup>17</sup> / <sub>32</sub>	8 1/2	15

# Series QC, QB, & QX Carbon Steel Oilfield Ball Valves

## Parts, Materials & Engineering Data

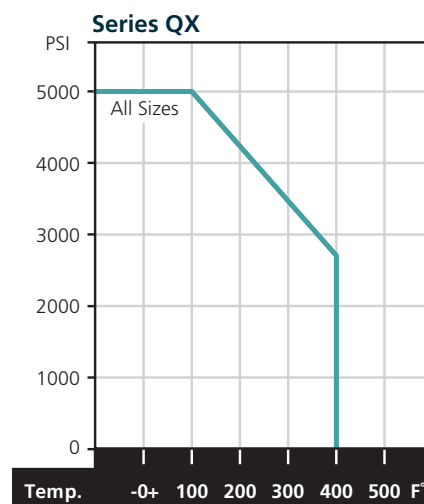
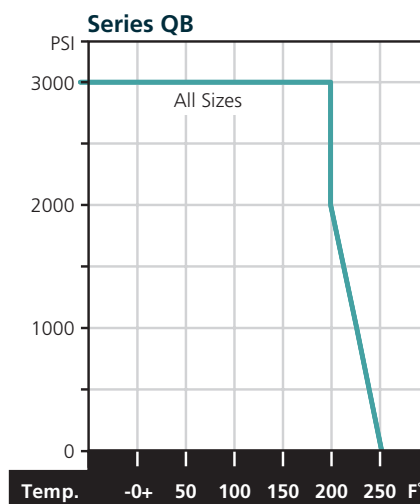
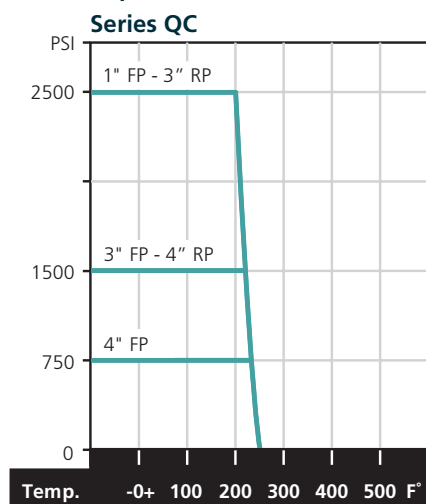


### Parts & Materials

No.	Qty.	Description	Series QC	Series QB	Series QX
1	1	Body	ASTM A216 Gr. WCB	ASTM A216 Gr. WCB	ASTM A216 Gr. WCB
2	1	Adapter	ASTM A216 Gr. WCB	ASTM A216 Gr. WCB	ASTM A216 Gr. WCB
3	2	Seat	Nylon + MOS <sub>2</sub>	Nylon + MOS <sub>2</sub>	PEEK™
4	1	Ball	316 Stainless Steel	316 Stainless Steel	316 Stainless Steel
5	1	Stem	316 Stainless Steel	316 Stainless Steel	316 Stainless Steel
6	1	Body Seal	Viton®	Viton®	Viton®
7	1	Thrust Bearing	PTFE	PTFE	PTFE
8	2	Stem Seal	Viton®	Viton®	Viton®
9	1	Spacer	PTFE	PTFE	PTFE
10	1	Stop Screw	Steel	Steel	Steel
11	1	Stop Plate	Steel Cadmium Plated	Steel Cadmium Plated	Steel Cadmium Plated
12	1	Handle	Carbon Steel	Carbon Steel	Carbon Steel
13	1	Retainer	Spring Steel	Spring Steel	Spring Steel

**Note:** We reserve the right to change materials and specifications.

### Pressure Temperature



### Break Torques (ft.-lbs.)

Size (in.)								
1" FP	1 ½" FP	2" RP	2" FP	2 ½" RP	3" RP	3" FP	4" RP	4" FP
29	50	50	94	94	94	152	152	250

# Series QE Ductile Iron Oilfield Ball Valves

## Standard Features

### Series QE: 2", 3" and 4" RP at 750 to 1000 psi WOG

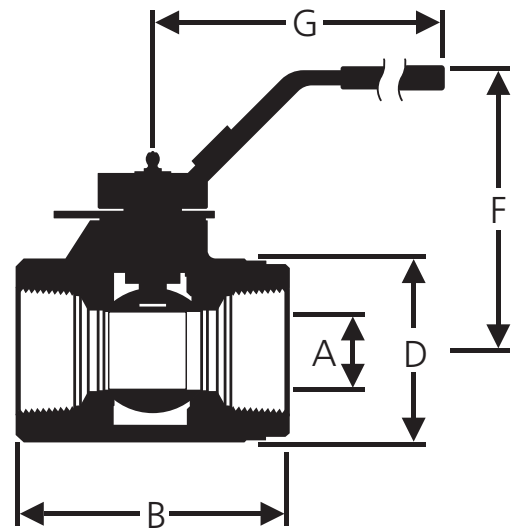
- 316 Stainless Steel Trim
- Two-Piece Construction
- Blowout Proof Stem Design
- Grease Fitting on Stem Allows Constant Lubrication and Protection Against Corrosion and Moisture
- Reinforced Second Generation High Performance Teflon® TFM Seat
- Meets NACE MR0175 2002
- Dual Locking Devices are Standard
- Ideally Suited for Tank Battery & Production Lines



## Dimensional Data (in.)

### Series QE, ASTM A395 Ductile Iron

Size (in.)	Pressure (psi)	A	B	D	F	G	Weight (lbs.)
2" RP	1000	1 ½	5 ½	3 ½	5 17/32	8 ½	13
3" RP	750	2	7 19/64	4 29/64	5 29/32	8 ½	17
4" RP	750	3	8 ¾	5 5/8	6 7/8	15	36

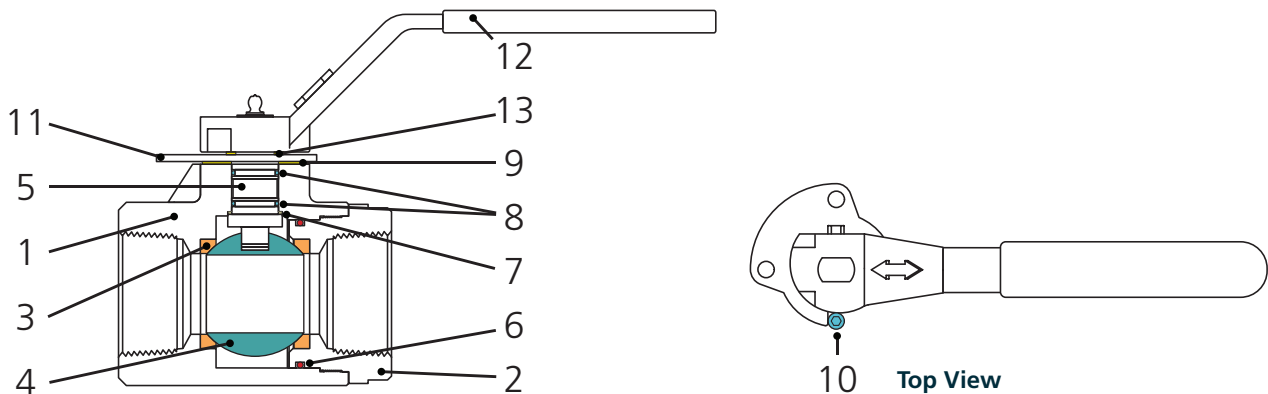


All Series Q Valves are Manufactured in Strict Conformance with the Following Industry Standards:

- ISO 9001 Quality System
- NACE MR01-75 2002 Sulfide Stress Cracking Resistant Metallic Materials for Oilfield Equipment
- Canadian Registration Number (CRN), Products Registered in all Provinces and Territories.

# Series QE Ductile Iron Oilfield Ball Valves

## Parts, Materials & Engineering Data



### Parts & Materials

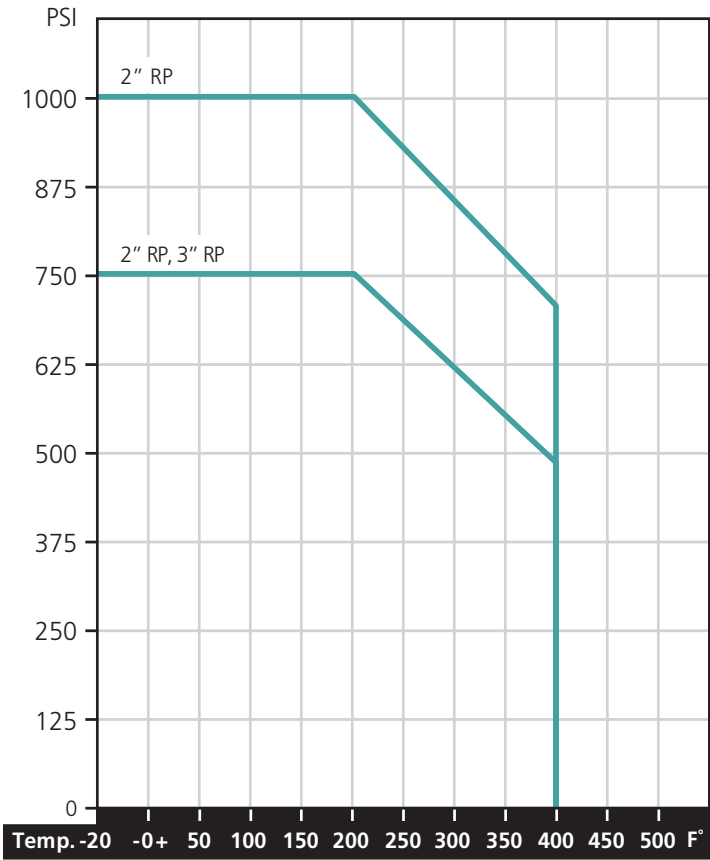
No.	Qty.	Description	Materials, Series QE
1	1	Body	ASTM A395 Ductile Iron
2	1	Adapter	ASTM A395 Ductile Iron
3	2	Seat	TFMC
4	1	Ball	316 Stainless Steel
5	1	Stem	316 Stainless Steel
6	1	Body Seal	Viton®
7	1	Thrust Bearing	PTFE
8	2	Stem Seal	Viton®
9	1	Spacer	PTFE
10	1	Stop Screw	Steel
11	1	Stop Plate	Steel Cadnium Plated
12	1	Handle	Carbon Steel
13	1	Retainer	Spring Steel
14	1	Chain	Carbon Steel
15	1	Ribbon Lock	Copper Tube

**Note:** We reserve the right to change materials and specifications.

### Break Torques (ft.-lbs.)

Size (in.)		
2" RP	3" RP	4" RP
50	94	152

### Pressure Temperature





Our goal is to become the leading provider of mission critical oilfield products and related services in terms of customer satisfaction, safety and financial performance.

Our experienced management team and employees are dedicated to solving our customers' problems. We invest in long term relationships and cooperate on product development with our clients, we consider them our partners.

### OUR CORE VALUES

**Integrity:** In everything we do, in every interaction, both internally and externally, we strive to operate with the upmost integrity and mutual respect.

**Long-term view:** We are building our company for the long-term, a company that we can be proud of.

**Open communication:** We believe partnerships with our customers and co-workers must be based on trust, professionalism and transparency.

**Customer focused:** Our products enhance our customer's performance and we listen to their needs and work with them to solve their challenges.

**Good place to work:** We are committed to creating a workplace that fosters innovation, teamwork and pride. Every team member is integral to our success and is treated equally and fairly.

**No one gets hurt:** The safety of our employees and customers is our first priority coupled with a healthy respect for the environment.



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