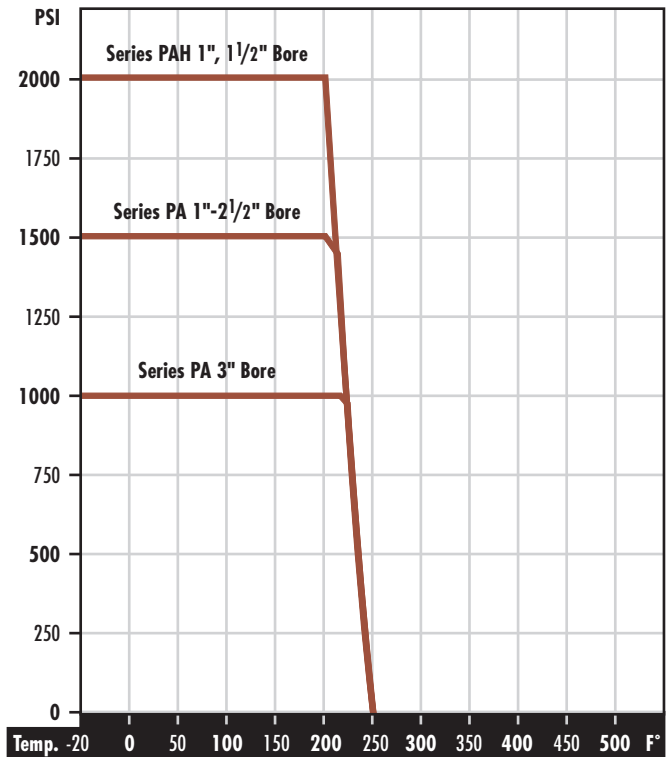


Parts & Materials

Item No.	Qty.	Description	Materials, Series PA & PAH
1	1	Body	ASTM A395 Ductile Iron
2	1	Adapter	ASTM A395 Ductile Iron
3	2	Seat	Nylon + MOS ₂
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 Cad. Plated
12	1	Handle	Carbon Steel
13	1	Retainer	Spring Steel

NOTE: We reserve the right to change materials and specifications.

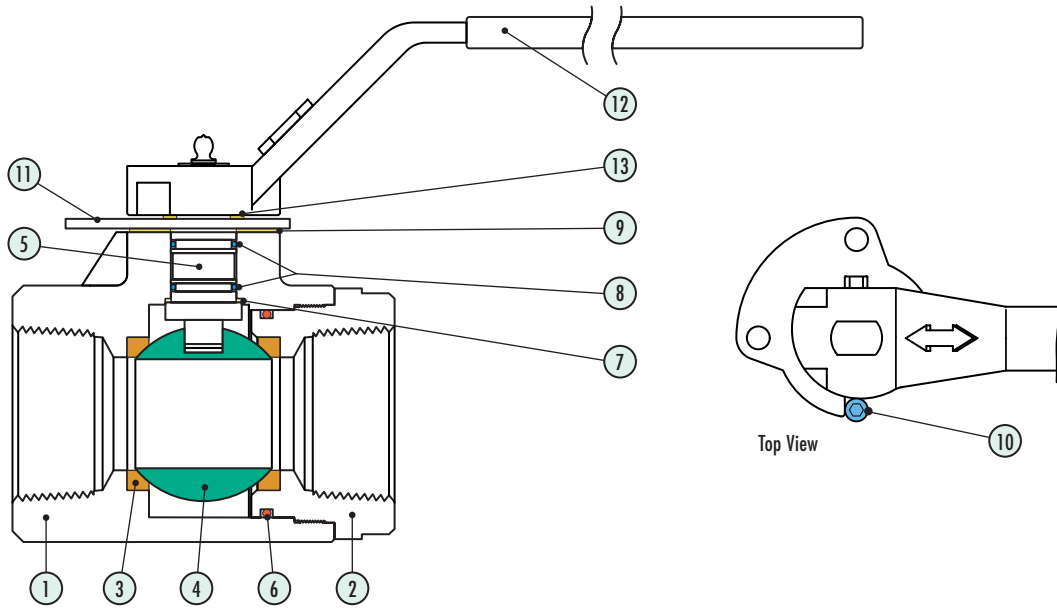
Pressure Temperature



Break Torques (ft.-lbs.)

Size (In.)							
1x1	1 1/2x1 1/2	2x1 1/2	2x2	2 1/2x2 1/2	3x2	3x3	4x3
29	50	50	94	94	94	152	152

PC/PCH/PCL/PCXH and PCSH Engineering Data

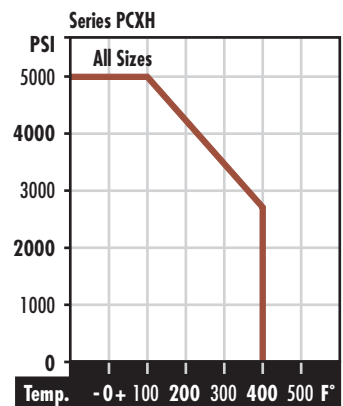
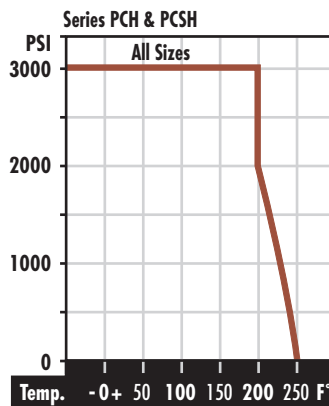
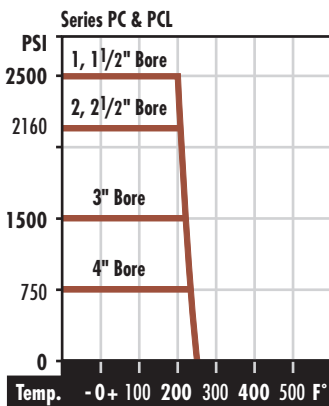


Parts & Materials

Item No.	Qty.	Description	Materials, Series PC & PCH	Materials, Series PCL	Materials, Series PCXH	Materials, Series PCSH
1	1	Body	ASTM A216 Gr. WCB	ASTM A352 Gr. LCC	ASTM A216 Gr. WCB	Stainless Steel CF8M
2	1	Adapter	ASTM A216 Gr. WCB	ASTM A352 Gr. LCC	ASTM A216 Gr. WCB	Stainless Steel CF8M
3	2	Seat	Nylon + MOS ₂	Nylon + MOS ₂	PEEK	Nylon + MOS ₂
4	1	Ball	316 Stainless Steel	316 Stainless Steel	316 Stainless Steel	316 Stainless Steel
5	1	Stem	316 Stainless Steel	316 Stainless Steel	316 Stainless Steel	316 Stainless Steel
6	1	Body Seal	Viton®	Low Temp Buna	Viton®	Viton®
7	1	Thrust Bearing	PTFE	PTFE	PTFE	PTFE
8	2	Stem Seal	Viton®	Low Temp Buna	Viton®	Viton®
9	1	Spacer	PTFE	PTFE	PTFE	PTFE
10	1	Stop Screw	Steel	Steel	Steel	Steel
11	1	Stop Plate	Steel Cad. Plated	Steel Cad. Plated	Steel Cad. Plated	Steel Cad. Plated
12	1	Handle	Carbon Steel	Carbon Steel	Carbon Steel	Carbon Steel
13	1	Retainer	Spring Steel	Spring Steel	Spring Steel	Spring Steel

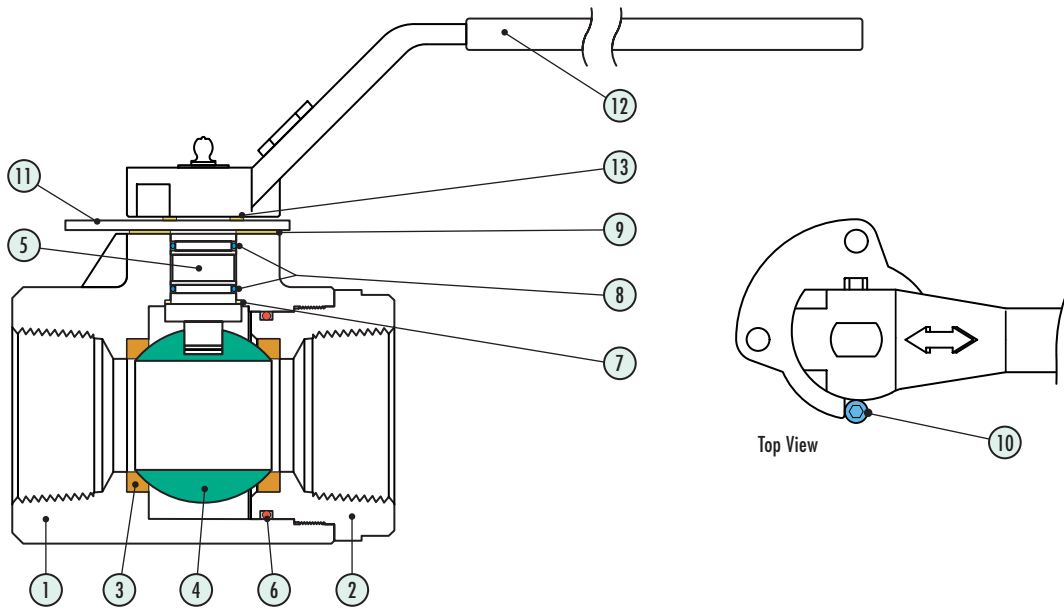
NOTE: We reserve the right to change materials and specifications.

Pressure Temperature Chart



Break Torques (ft.-lbs.)

Size (In.)								
1x1	1 1/2x1 1/2	2x1 1/2	2x2	2 1/2x2 1/2	3x2	3x3	4x3	4x4
29	50	50	94	94	94	152	152	250

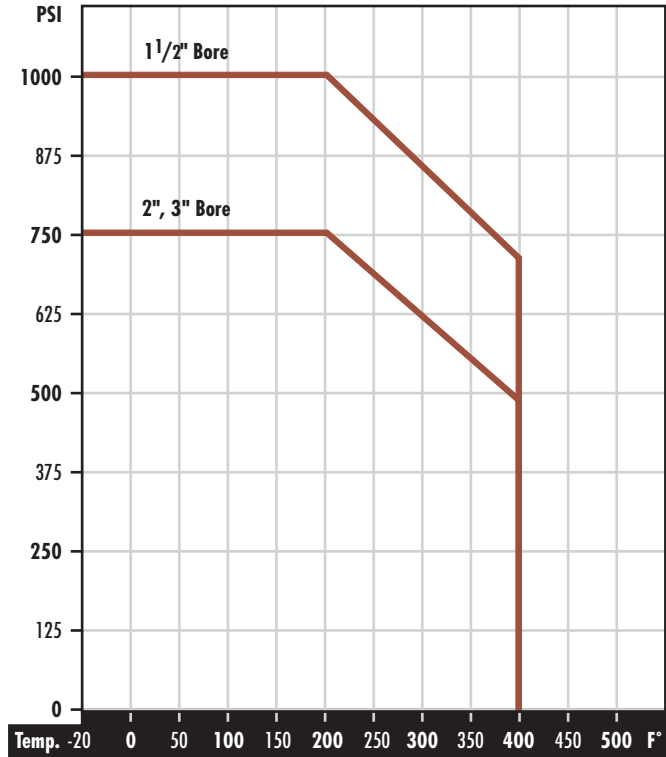


Parts & Materials

Item No.	Qty.	Description	Materials, Series PE
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 Cad. 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.

Pressure Temperature Chart



Break Torques (ft.-lbs.)

Size (In.)		
2x1 1/2	3x2	4x3
50	94	152