

ChemTite™ BALL VALVES

PFA Lined for Severe Duty



Made in the USA



**Bubble-Tight
GUARANTEED!**

FEATURES

- Bubble-Tight Design
- Size Range: 1" to 6" (Full standard port design)
- Pressure Rating: Full Vacuum to 275 psi (19 bar)
- Operating Temperature: (-)20°F to (+)400°F
- Separate ball and stem reduces packing side loading
- Anti-Blowout stem
- Cavity filled space around ball
- Heavy duty PFA liner resists cracking
- Dovetail locking grooves for PFA retention
- ASME B16.10 with ISO 5211 mounting pad
- Lockable handle and static ground spring (standard)
- Resistant To:
 - all acids
 - all solvents
 - all bleach solutions
 - all phenols
 - all caustics
 - all peroxides
 - all organic and inorganic chlorides & sulfates

THE ORIGINAL IN THE USA

Since 1931, Hills-McCanna® has earned a reputation for innovative products that serve demanding applications better than before. Today the Hills-McCanna legacy continues with the ChemTite™ series. ChemTite products are built with American quality for peace of mind and dependability in tough chemical applications.

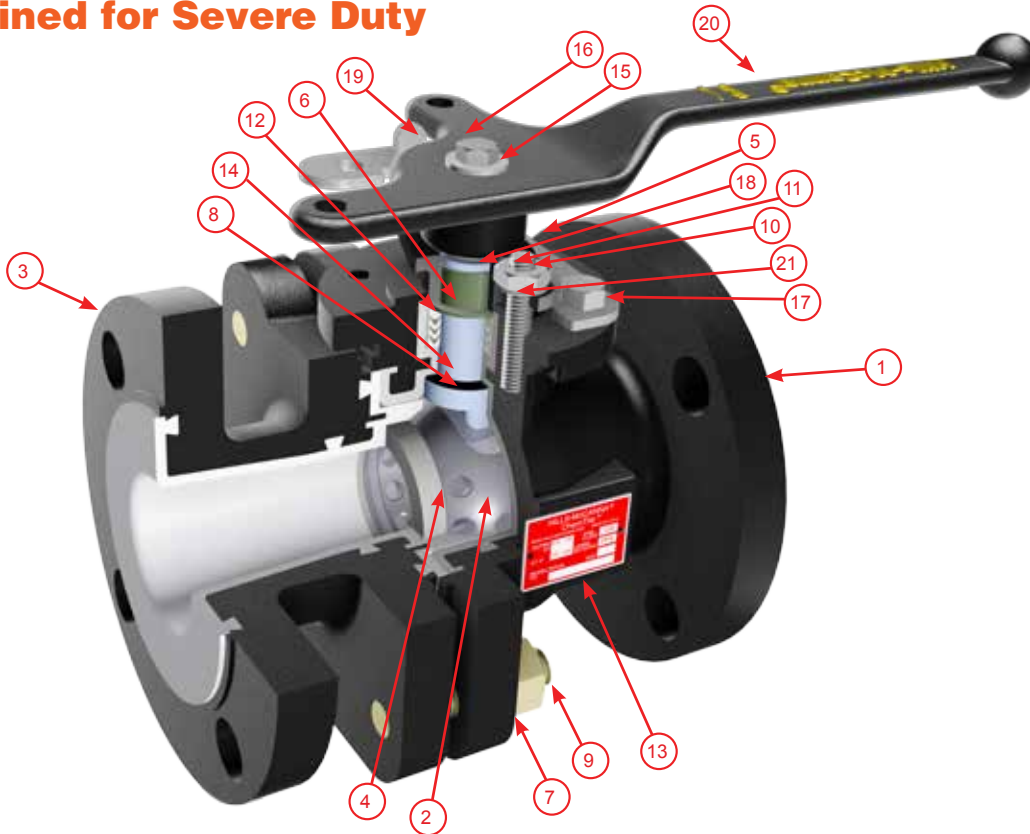


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Hills-McCanna®
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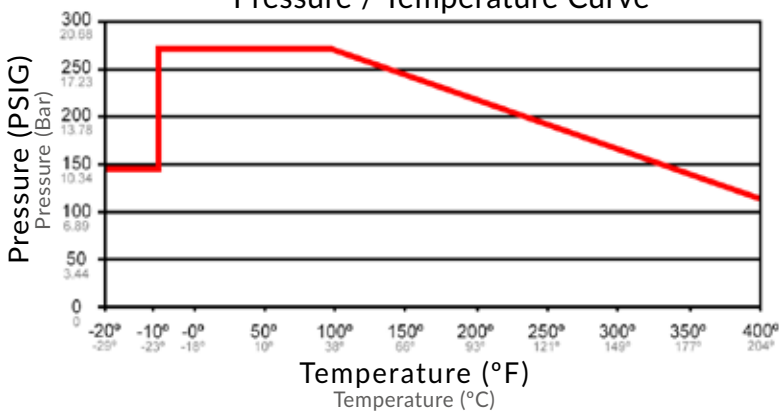
Parts List

ITEM	QTY	DESCRIPTION	MATERIAL
1	1	VALVE BODY	PFA LINED ASTM A395 DCI
2	1	BALL	PFA LINED ASTM A351, GRADE CF8 S.S.
3	1	SIDE PIECE	PFA LINED ASTM A395 DCI
4	2	SEAT	VIRGIN PTFE
5	1	PACKING GLAND	ASTM A351, GRADE CF8 S.S.
6	1	RADIAL BEARING	PTFE / GRAPHITE
7	4	HEX NUT	ASTM A194, YELLOW ZINC PLATED GR.2H
8	1	STEM	PFA LINED, GR. 2205 UNS S31803
9	4	STUD	ASTM A193, YELLOW ZINC PLATED GR.B7
10	2	HEX NUT	ASTM A194 GR.8
11	2	STUD	ASTM A193 GR.B8
12	1	V-PACKING	VIRGIN PTFE
13	1	NAMEPLATE	304 STAINLESS STEEL
14	1	THRUST BEARING	PTFE / GRAPHITE
15	1	WASHER	304 STAINLESS STEEL
16	1	HEX BOLT	ASTM A193 GR.B8
17	2	HEX BOLT	ASTM A193 GR.B8
18	1	GROUNDING SPRING	STAINLESS STEEL 18-8
19	1	WRENCH STOP PLATE	304 STAINLESS STEEL
20	1	WRENCH HANDLE	ASTM A395 DCI
21	2	INTERNAL TOOTH LOCK WASHER	STAINLESS STEEL 18-8

Actuator Sizing

VALVE SIZE	TORQUES @ MAX. DIFF. PSI
1"	70 in.-lbs
1-1/2"	75 in.-lbs
2"	175 in.-lbs
3"	220 in.-lbs
4"	620 in.-lbs
6"	700 in.-lbs

Pressure / Temperature Curve



Cv Data

VALVE SIZE	FULL OPEN Cv
1"	55
1-1/2"	125
2"	185
3"	350
4"	610
6"	1350

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