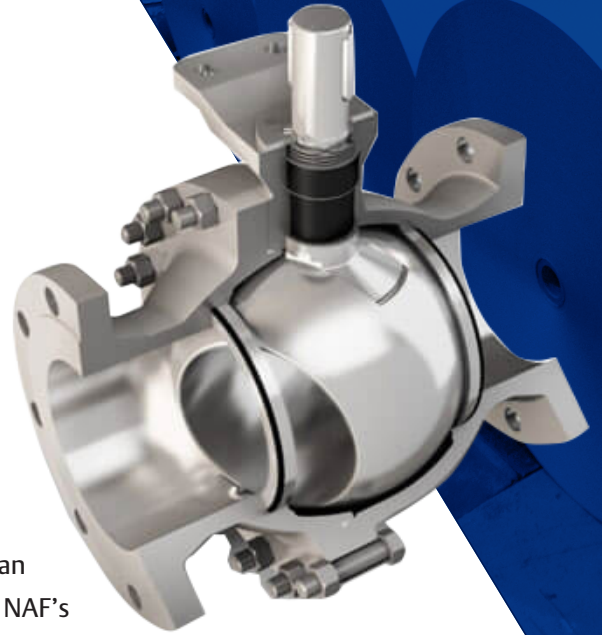


NAF® DUBALL™ METAL SEATED BALL VALVES

Reliable Performance for Your Most Challenging Applications

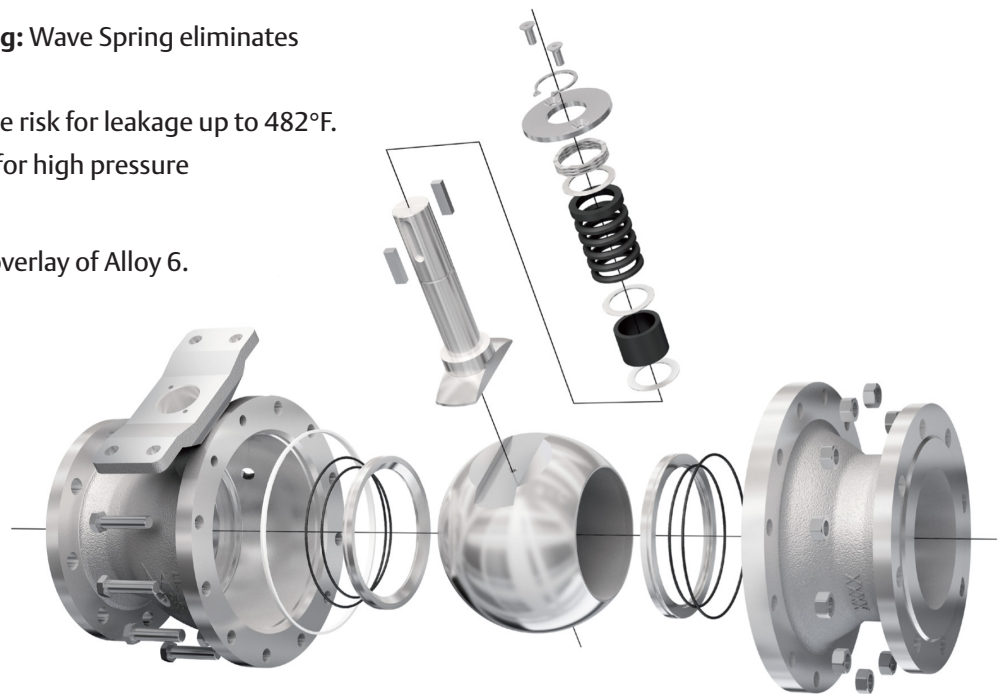
The NAF® Duball™ is a rugged, high performance, metal seated ball valve specifically designed to provide reliable performance in applications with difficult media and demanding pressure conditions.

NAF Duball is one of the most proven valve portfolios in the world. NAF began operation in 1899 and delivered the first ball valve in 1933. The Duball DL is NAF's 4th generation design. The full bore, metal seated valve is ideal for the harshest applications. Duball DL is the answer for batch and continuous digestors, recovery liquors, black liquor, green liquor, mud and much more.



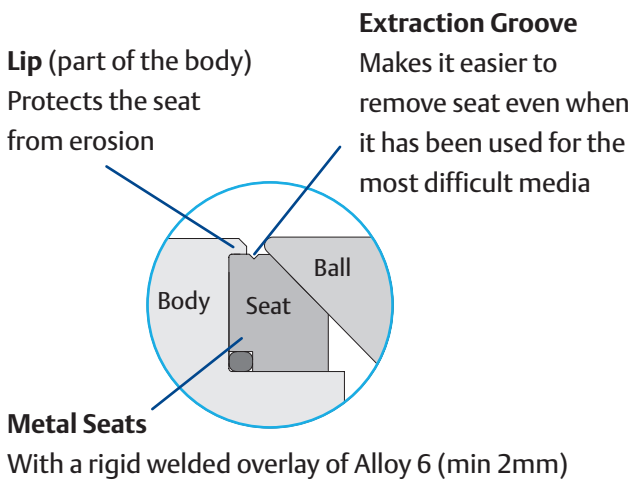
Critical Design Features Provide Long Service Life, Reliable Performance, and Minimal Downtime

- **Large Stem Foot:** Provides high torque transmission with **minimum mechanical backlash** and a **Blowout Proof Stem**.
- **Spring Loaded Stem Seal Packing:** Wave Spring eliminates the need for manual retorquing. Multi-stage RTFE V-rings minimize risk for leakage up to 482°F. High thrust, anti-friction washer for high pressure and high cycle applications.
- **Metal seats** with a rigid welded overlay of Alloy 6.

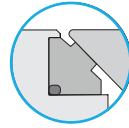


Rugged Metal Seat Design Provides Reliable Service for Harsh Media. Locked Metal Seat Option Ensures Media Cannot Get Behind the Seats, Enabling a Long Service Life in Liquor Applications.

METAL SEAT STANDARD

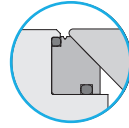


METAL SEAT OPTIONAL CONFIGURATIONS



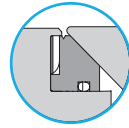
Scraper Seat

Used when media has a tendency to stick to the surface of ball and seat.



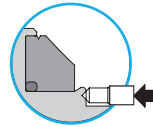
Sealed Seat

Prevents media from build-up behind seat. Unique solution for crystallizing media.



Spring Loaded Seat

O-ring or wave spring loaded seat maintains high tightness at differential pressure below 0.5 bar.

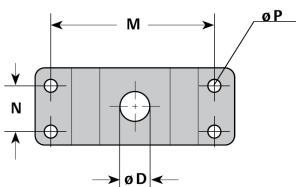
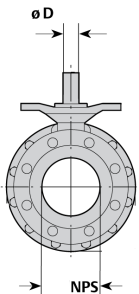
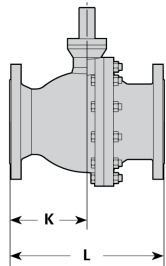


Locked Seat Rings

The seats are sealed and locked in place. This prevents medium build-up behind the seat and creates an increased torque over time.

R.E. Mason Is Your Local Pulp and Paper Process Control Expert. We Have the Valve You Need for Any Application.

VALVE DIMENSIONS :



Size	Dimensions, mm								
NPS	D	G	K 150#	L 150#	K 300#	L 300#	M	N	P
1	16	38	52	127	66	165	115	30	11
1.5	16	38	60	165	95	190	115	30	11
2	20	43	74	178	108	216	115	30	11
3	25	50	102	203	142	283	115	30	11
4	25	50	107	229	153	305	115	30	11
6	40	80	197	394	202	403	214	60	18
8	50	93	229	457	210	419	214	60	18
10	60	111	267	533	229	457	214	60	18
12	70	131	305	610	251	502	277	115	33
14	90	172	343	686	381	762	277	115	33
16	100	190	381	762	419	838	277	115	33



R.E. MASON

For More Information,
Contact Your Account Manager

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