

PRICE COMPARISON: Repairing a Ball Valve vs. Replacing a Ball Valve



Conval Camseal® metal-seated ball valves provide zero body, seat, and stem seal leakage. The body/bonnet joint is not subject to pipeline stresses. There is no in-line body bolting to loosen and fatigue. Reliable, accurate ball alignment is achieved due to the robust engagement between the one-piece stem and the ball. The unique Camseal replacement cartridge design makes it possible to perform in-line servicing in 30 minutes. For F91 valves, no welding is required!



EXAMPLE

Repairing a Ball Valve		CS WCB SW	F91
2" size	Tool kit*	n/a	n/a
	Cartridge**	\$1,170	\$1,170
	SUBTOTAL:	\$1,170	\$1,170
Labor	Labor rate/hour	\$100	\$100
	X number of hours	0.5	0.5
	X number of workers	1	1
	SUBTOTAL:	\$50	\$50
TOTAL REPAIR COST:		\$1,220	\$1,220

ACTUAL

Repairing your specific Ball Valve		COST
Size	Tool kit*	
	Cartridge**	
	SUBTOTAL:	
Labor	Labor rate/hour	
	X number of hours	
	X number of workers	
	SUBTOTAL:	
TOTAL REPAIR COST:		

Replacing a Ball Valve		CS WCB SW	F91
2" size	Cost of valve	\$1,930**	\$6,500**
	SUBTOTAL:	\$1,930	\$6,500
Labor	Post Weld Heat Treat (PWHT) both ends	n/a	\$7,000
	Labor rate/hour	\$100	\$100
	X number of hours	6	6
	X number of workers	2	2
	SUBTOTAL:	\$1,200	\$8,200
TOTAL REPLACEMENT COST:		\$3,130	\$14,700

Replacing your specific Ball Valve		COST
Size	Cost of valve	
	SUBTOTAL:	
Labor	Post Weld Heat Treat (PWHT)	
	Labor rate/hour	
	X number of hours	
	X number of workers	
	SUBTOTAL:	
TOTAL REPLACEMENT COST:		

* Assuming that you already have a tool kit for this valve.

** Based on #5 cartridge. Price of cartridge varies by valve size.

In the examples above:

- The cost of repairing a Carbon Steel WCB SW Camseal ball valve is just **39%** of the cost of replacing it.
- The cost of repairing an F91 Camseal ball valve is just **9%** of the cost of replacing it.

Either way, the savings in time and money over the lifetime of your facility are huge!