

MAINTENANCE MANUAL

BALL VALVE

THREE-PIECES DESIGN

SERIES 50 – ECONOMICAL VERSION

Montage

Ball valves are installed into pipeline in any position. Before montage disassemble the ball valve into the 3 parts (Body – No.1, and Flanges No.2). Connect both flanges with pipeline, insert the body between and then finally tighten the bolts.
THIS PROCEDURE IS NECESSARY TO USE WHEN INSTALLED THE WELDED BALL VALVES OTHERWISE MAY BE DAMAGED THE SEATS OF THE VALVE!!!

Maintenance

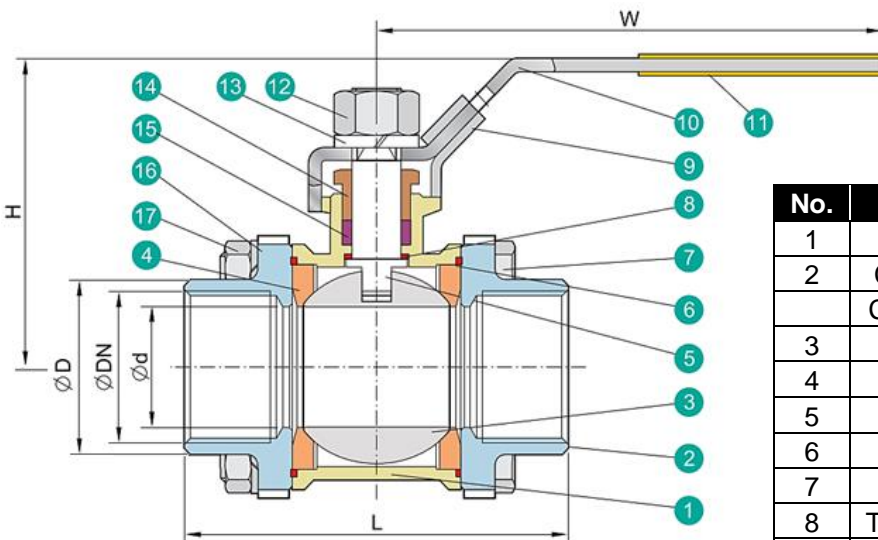
The ball valve series 50 are maintenance-free and when used properly no further maintenance is required. Packing is under constant pressure of springs and therefore is not necessary to be tightened.

Disassembling

- 1) Set the ball valve to the position sOPENED%
- 2) Release bolts on the flanges (No.7)
- 3) Absolutely unscrew the upper bolt, which doesn't go through the eye
- 4) The body of the ball valve fork out the flanges
- 5) Turn the lever to the position sCLOSED%
- 6) Remove the seats, gaskets and ball
- 7) Release the packing
- 8) Remove the stem (No.5)

Assembling

Please use the same procedure as you disassemble but proceed from back to front.



No.	Part name	Materials		
1	Body	CF8M	CF8	WCB
2	Cap (Thread)	CF8M	CF8	WCB
	Cap (Welding)	CF3M		
3	Ball	CF8M	CF8	
4	Ball Seat	PTFE		
5	Stem	SUS 316		SUS 304
6	Body Gasket	PTFE		
7	Bolt	A193-B8		
8	Thrust Washer	PTFE		
9	Locking device	SUS 304		
10	Lever	SUS 304		
11	Lever Sleeve	VINYL PLASTIC		
12	Stem Nut	A194-8		
13	Stem Washer	SUS 304		
14	Gland Nut	SUS 304		
15	V-Ring Packing	PTFE		
16	Bolt Washer	SUS 304		
17	Bolt Nut	A194-8		