

Montage

Butterfly valves series M1A are installed between flanges PN10 according to ČSN or DIN standards. Rubber seat is used to as flange gasket, another gasket is not needed. Butterfly valves are installed into horizontal or vertical pipelines. When installed into horisontal pipeline, we suggest the position with the horizontal axis of the stem.

Installation procedure

- 1) First of all make you sure that the space between flanges is sufficient to be able to put the butterfly between flanges without any scouring
- 2) Butterfly valve is installed in slightly opened position (5° - 10°)
- 3) Slightly tighten bolts and check the control of the valve (open to close positon)
- 4) Set the valve to the intermediate position
- 5) Cross tighten the flanges

Maintenance

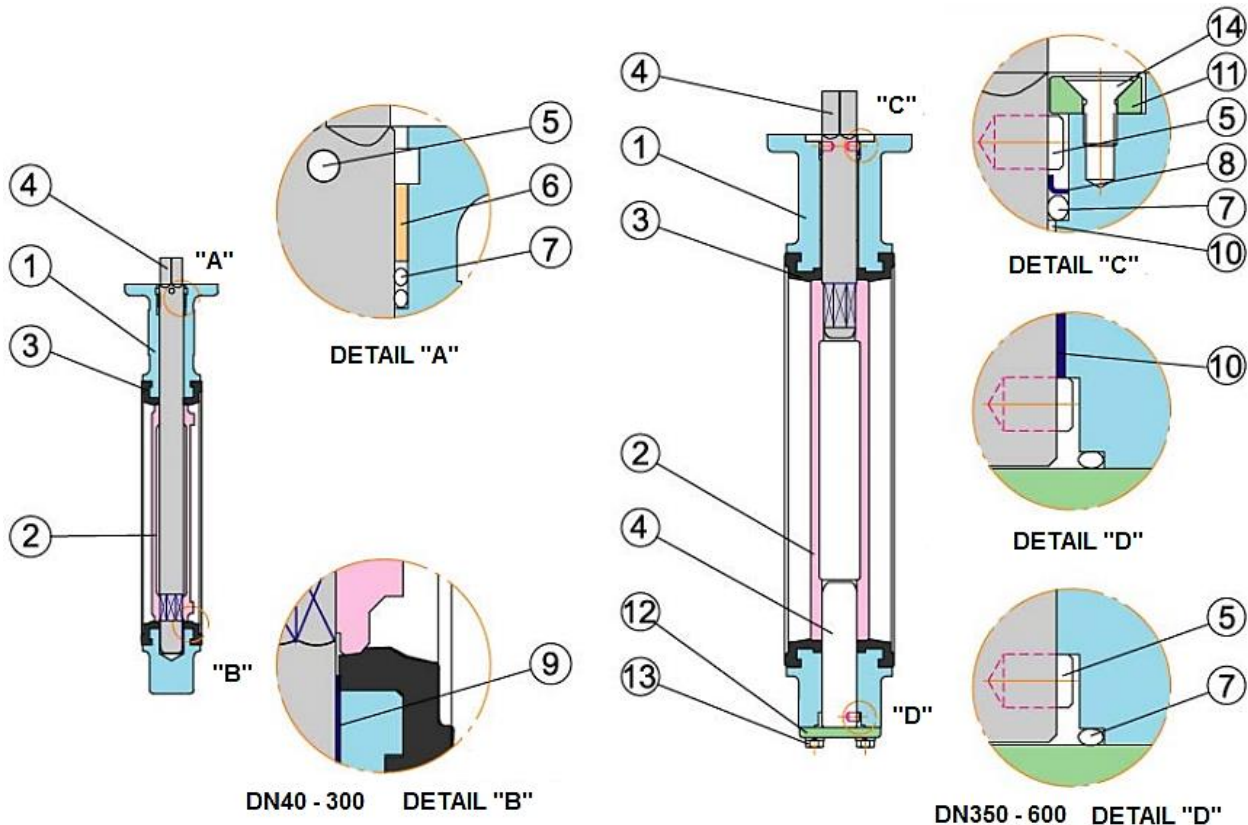
Butterfly valve series M1A is maintenance-free and when used properly no further maintenance is required.

Disassebling

- 1) Remove the operating of the valve
- 2) Put out pins connecting the disc and stem of the valve
- 3) Remove the stem from the body
- 4) Remove the disc and rubber seat

Disassebling

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



MAINTENANCE MANUAL

BUTTERFLY VALVE M1A DN 40 – 90 PN 10/16/40

#	Part	Material	Indication		Note
			DIN	US	
1	Body	Cast iron	0.6025	GG 25	
		Ductile iron	0.7040	GGG 40	
		Stainless steel	1.4301	AISI 304	
			1.4408	AISI 316	
2	Disc	Ductile iron	0.7040		Polyamide coating
			0.7040		Halar coating
		Stainless steel	1.4301	AISI 304	
			1.4408	AISI 316	
			Alu - brass	ALBC2	B148 C95400
3	Seat	NBR (BUNA)			-10°C ~ 80°C
		EPDM			-20°C ~ 120°C
		Silicon			-20°C ~ 180°C
		Hypalon			-20°C ~ 135°C
		Viton			-18°C ~ 150°C
4	Stem	Stainless steel	SUS 410	A182 Gr.F6A	
			1.4301	AISI 304	
			1.4404	AISI 316	
5	Pin	Stainless steel	1.4301	AISI 304	
6	Bearing	Delrin			
7	O-ring	NBR			
8	Support	Plastic			
9	Bearings	Stainless steel	1.4301	AISI 304	
10	Upper cover	Steel	St.20	A36	for Cast iron body
		Stainless steel	1.4301	AISI 304	for SS body
11	Bottom cover	Cast iron	0.6025	GG 25	for Cast iron body
		Stainless steel	1.4301	AISI 304	for SS body
12	Bolt	Steel			
13	Botl	Steel			