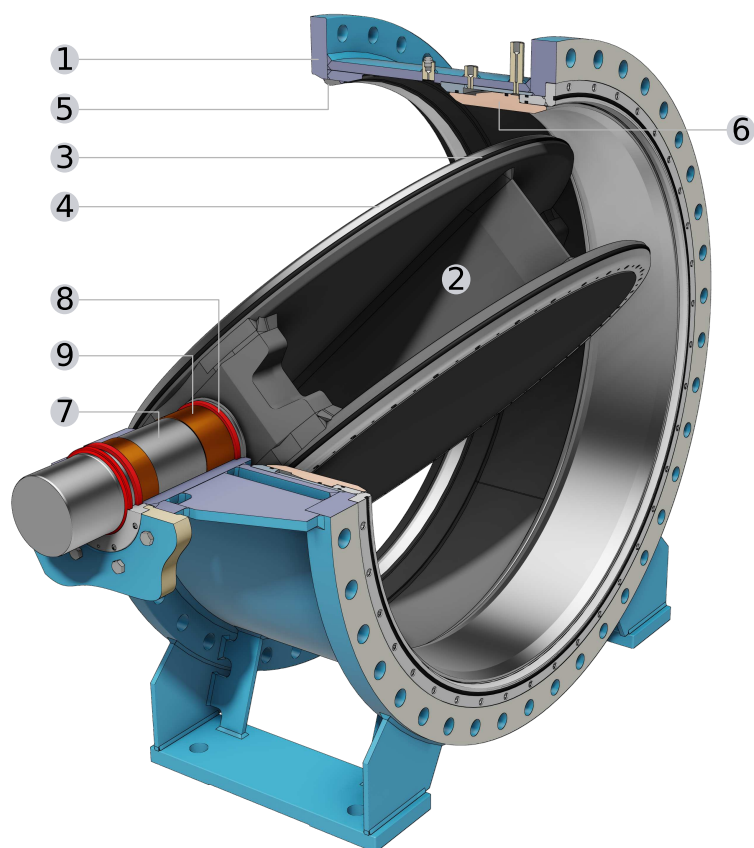
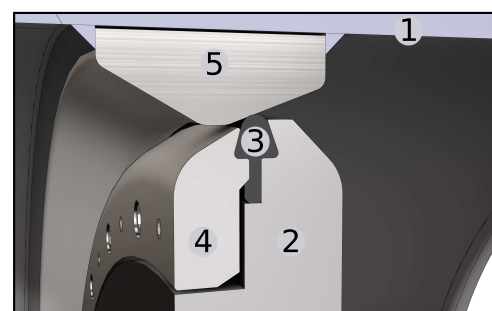


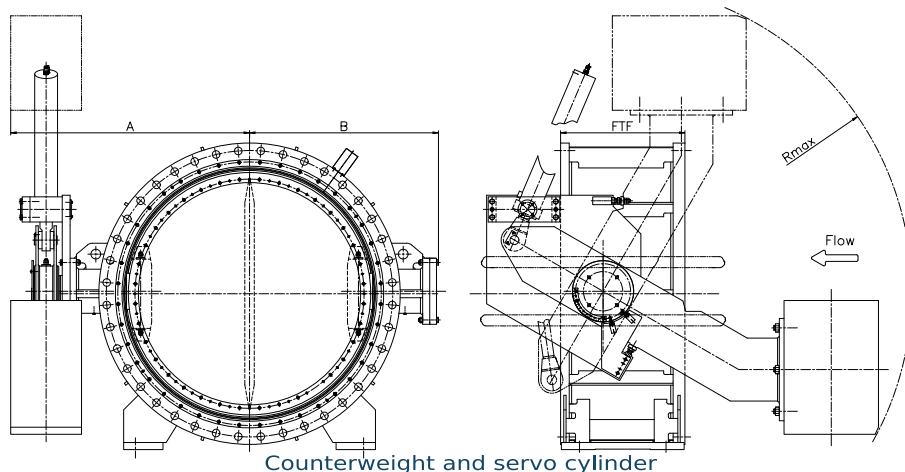


ID	Parts	Materials
1	Body	carbon steel
2	Disc	carbon steel
3	Main seal	NBR
4	Clamping ring	carbon steel
5	Seat ring	stainless steel
6	Maintenance seal	stainless steel
7	Shaft	stainless steel
8	Seals	polyurethane / NBR
9	Bearings	maintenance-free slide bearings



FEATURES & OPTIONS

• fabricated design with biplane disc • double eccentric positioning of the disc • special profile of the main seal • double sealing system on the shafts • maintenance seal with optical and electrical position indicator • movable, water operated maintenance seal system (metal to rubber), allows replacing the service seal without emptying the penstock and removing the valve from the pipeline • visual position indicator • limit switches for close and open position • no lubrication points / maintenance free	• for water service in temperature up to 70°C / 158°F • suitable for emergency closing under nominal flow
OPTIONS	
	+ additional hydraulic and electrical equipment
	+ flexible hydraulic hose for servo cylinder
	+ wiring with terminal box
	+ locking bolt in closed / open position
	+ locking bolts for maintenance seal ring



Counterweight and servo cylinder

DRIVE TYPES

- servo cylinder for opening, counterweight for closing
- double acting oil servo cylinder
- double acting water servo cylinder
- double acting oil / water servo cylinder
- manual operated gearbox
- electrical operated gearbox

DN	FTF	PN6				PN10				PN16				PN25			
		A	B	R max	Valve weight	A	B	R max	Valve weight	A	B	R max	Valve weight	A	B	R max	Valve weight
[mm]	[mm]	[mm]	[mm]	[mm]	[kg]	[mm]	[mm]	[mm]	[kg]	[mm]	[mm]	[mm]	[kg]	[mm]	[mm]	[mm]	[kg]
800	550	900	700	1250	880	950	700	1300	1050	1000	750	1400	1400	1100	800	1500	1850
900	590	950	750	1300	1150	1000	800	1400	1500	1100	850	1500	1950	1200	900	1650	2450
1000	620	1000	800	1500	1650	1100	850	1500	2000	1200	900	1650	2350	1300	1000	1800	2950
1200	730	1200	900	1600	2100	1300	1000	1700	2650	1400	1100	1800	3700	1600	1200	2000	4250
1400	810	1400	1100	1700	3050	1500	1200	1800	4250	1700	1300	1900	5200	1800	1400	2100	5900
1500	850	1450	1200	1800	3950	1600	1300	1900	5100	1800	1400	2000	6350	2000	1500	2200	7100
1600	890	1600	1300	1900	4750	1800	1400	2000	5800	2000	1500	2100	7700	2100	1600	2300	8600
1800	970	1700	1400	2000	6000	1900	1500	2200	7150								
2000	1050	2000	1500	2100	8200	2300	1800	2400	11600								
2200	1100	2100	1700	2200	10350												
2400	1200	2300	1900	2400	12600												
2600	1300	2600	2200	2600	16500												
2800	1350	2800	2400	2800	22500												
3000	1400	2900	2600	3000	27500												
3200 - 3600	Dimensions available on request.																

Other DN and PN upon request.

Valve weights in dimensions table are given without a drive weight.

Flange in accordance with EN 1092-1. ANSI and MSS flanges available on request.

Dimensions and weights are preliminary only. Final dimensions and weights are established after detail design.

Other materials are available upon request.

Painting for standard valves - two-component epoxy coating.

Drawings are schematic only.