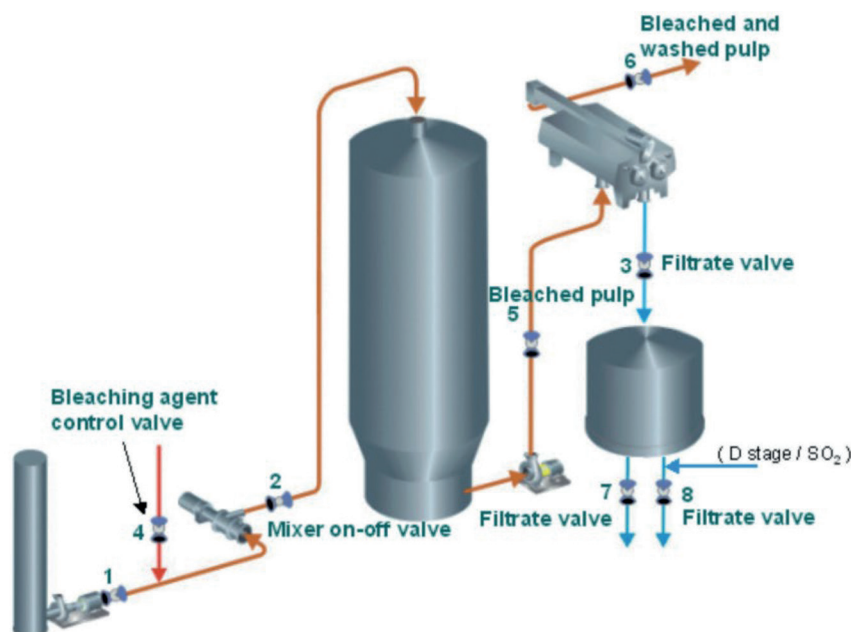


Maintenance recommendation for Neles™ valves in bleaching stages D₀, D₁ and D₂

Valves	Maintenance scope		
	Inspection	Minor maintenance	Major maintenance
Maintenance intervals Valves # 1 – 5, 7	Every 2 years	Every 4 years	Every 8 years
All other valves	Every 4 years	Every 8 years	Every 12 years
Maintenance scope with required spare parts	Workshop inspection + spare part set	Workshop inspection + spare part set + seat & bearings	Workshop inspection + spare part set + seat & bearings + trim parts

During maintenance Valmet technicians check parts that are not mentioned here and replace damaged parts if possible. Valmet technicians also make recommendations for future inspection and maintenance. Device condition monitoring helps determine whether a particular valve needs attention.

Bleaching stages D₀, D₁ and D₂ valves



Valve	Name	Valve type	Material D ₀ stage	Material D ₁ and D ₂ - stages	E.g.
1	MC control valve	High consistency segment valve	Titanium	Titanium	R_S../...TTTUT
2	Mixer on-off valve	Ball valve	Titanium	Titanium or CK3MCuN (254 SMO)	M1_A...TTT(A) or M1_A...UXTA
3	Filtrate valve	V-port segment valve	Titanium	Titanium or CK3MCuN (254 SMO)	RE_A...TTTUT(A) or RE_A...UUUT(A)
4	Bleaching agent control valve	V-port segment valve	Titanium	Titanium	RE_A... TTTUT(A)
5	Bleached Pulp valve	Ball or V-port segment valve	Titanium	Titanium or CK3MCuN (254 SMO)	M1_A...TTT(A) / M1_A...UXTA or RE_A...TTTUT(A) / RE_A...UUUT(A)
6	Bleached and washed pulp valve	Ball or V-port segment valve	CF8M (316 SS)	CF8M (316 SS)	RE_A...AJJST(A)
7	Filtrate valve	V-port segment valve or Triple eccentric disc valve	Titanium	Titanium or CK3MCuN (254 SMO)	RE_A...TTTUT(A) / RE_A...UUUT(A) or LW7...UUUKT
8	Filtrate valve	V-port segment valve or Triple eccentric disc valve	CF8M (316 SS)	CF8M (316 SS)	RE_A...AJJST(A) or LW7...AAJAT