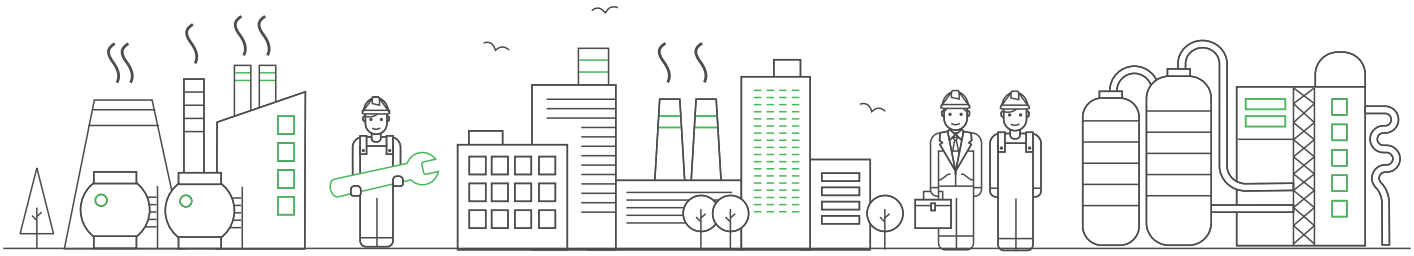
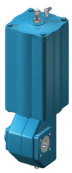


Maintenance recommendation for Neles™ valves in fiberline screening stage

Valves	Maintenance scope		
	Inspection	Minor maintenance	Major maintenance
Maintenance intervals Valves # 2 and 11	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.

Wearing out of devices:



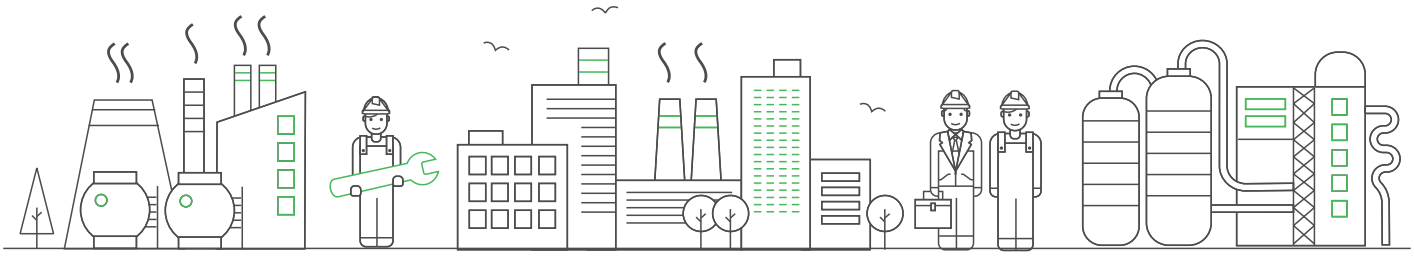
Lever arm, diaphragm and sealing elements

Valve controller components

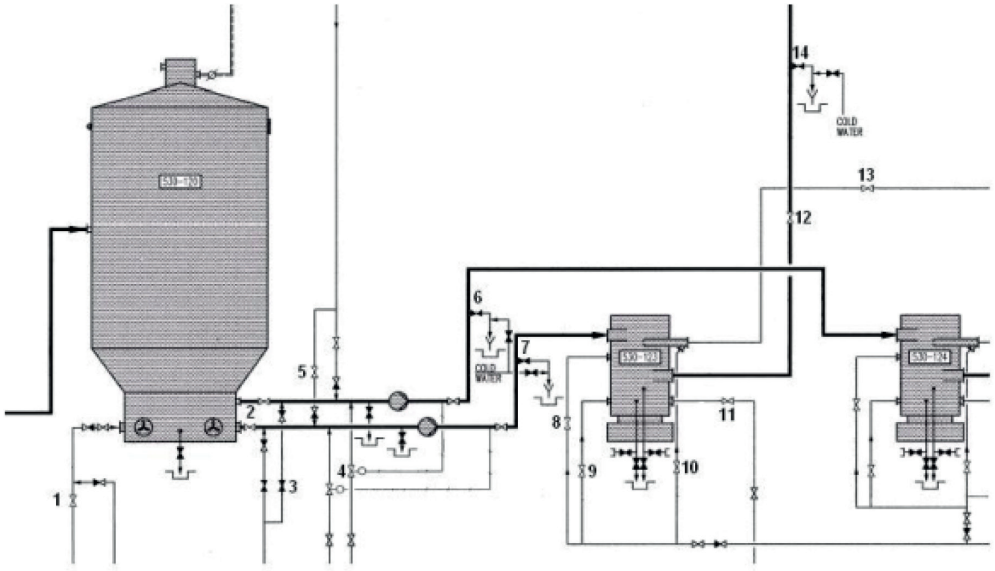
Valve controller components

Operational benefits:

- Improved plant availability
- Optimized performance
- Ensured quality
- Improved safety



Screening stage valves



Valve	Valve type	Material	E.g.
1	segment	CF8M (316SS)	RE_A..AJJST(A)
2	knife gate or ball valve	CF8M (316SS)	D2CA...AS or M1_W..APTA
3	segment	CF8M (316SS)	RAA...AS or RE_A..AJJST(A)
4	segment	CF8M (316SS)	RAA...AS or RE_A..AJJST(A)
5	segment	CF8M (316SS)	RAA...AS or RE_A..AJJST(A)
6	ball	CF8M (316SS)	M1_A…APTA
7	ball	CF8M (316SS)	M1_A..-APTA
8	segment	CF8M (316SS)	RAA...AS or RE_A..AJJST(A)
9	segment	CF8M (316SS)	RAA...AS or RE_A..AJJST(A)
10	segment	CF8M (316SS)	RAA...AS or RE_A..AJJST(A)
11	Reject Ball	CF8M (316SS) or ceramic	M1_A…APTA or E2/E6
12	segment	CF8M (316SS)	RAA...AS or RE_A..AJJST(A)
13	segment	CF8M (316SS)	RAA...AS or RE_A..AJJST(A)
14	ball	CF8M (316SS)	M1_A…APTA