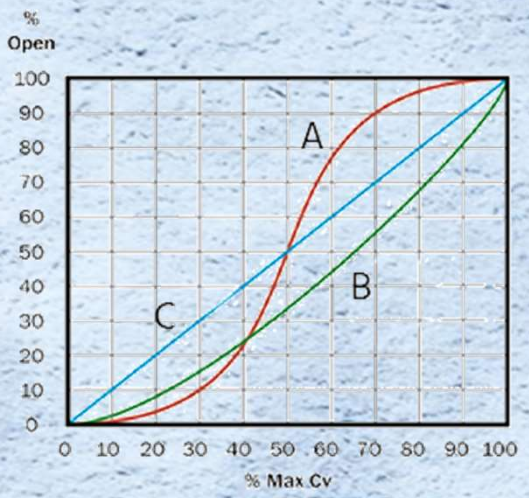
Dilution Valve

Basis Weight Dilution Profile Control



Flow characteristics of ball valve types:
Standard ball valve (A), V-form ball valve (B), Linear curve (C)

Dilution control systems are widely used in Pulp & Paper Industry to assure optimal CD basis weight profile and end product quality. The dilution valve is in crucial role on entire dilution system performance. The flow curve of a valve should be as linear as possible to create best controllability. This is typically reached on ball-valves by making V-form orifice to outflow opening.

It is also important that valve characteristics will remain the same and inner part of the valves are not wearing out. If wearing changes e.g. the V-form of the orifice, the valve – and entire dilution system performance will be degraded. This is particularly damaging because the wearing is slow and impossible to see from outside. Therefore it is important that inner part of a valve does not have easily worn plastic parts.

Fastpap dilution valve V-form is machined in the metall ball itself and not on plastic sealings.

BENEFITS

Dilution Profile Control:
- Improved CD basis weight profile
- Improved fiber orientation
- Less brakes and broke
- Faster grade changes
- Faster start – ups
- Better runnability

Ultra Valve:
- Ball valve
- V-form opening in metal
- Long lifetime
- Easy to install
- Easy to maintain
- Low torque
- Direct replacement to Valmet MV valve

Fastpap