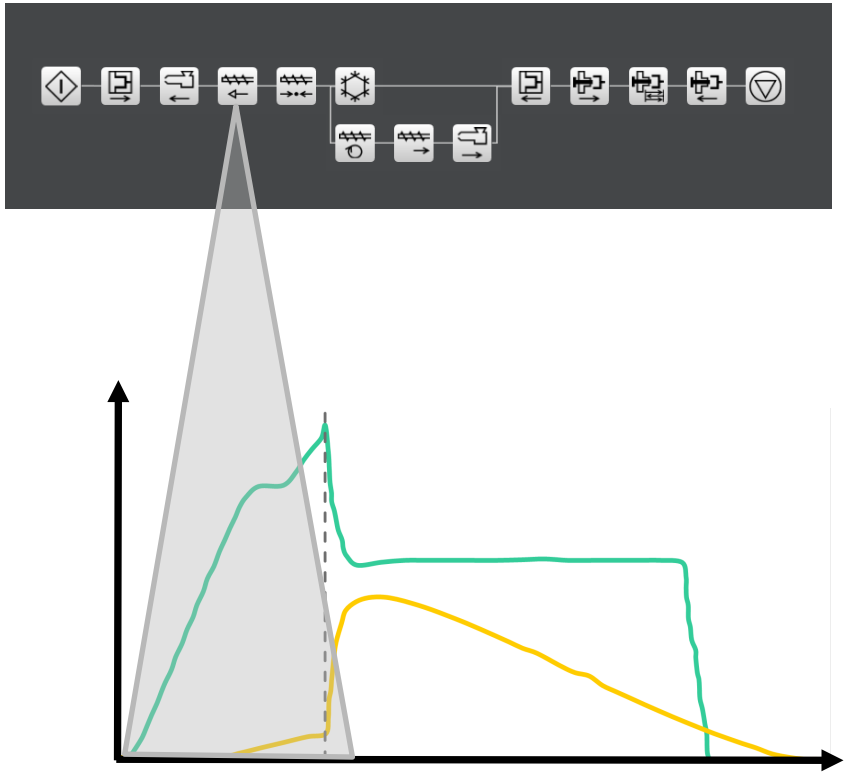Process control - injection phase