

Name	Unit	Definition	Range
Group (i): snowmelt calibration			
SFTMP	°C	Snowfall temperature	-5 to 5
SMTMP	°C	Snowmelt temperature	-5 to 5
SMFMX	mm °C ⁻¹	Maximum snowmelt factor	5-10
SMFMN	mm °C ⁻¹	Minimum snowmelt factor	0-5
TIMP	-	Snowpack temperature lag factor	0-1
Group (ii): flow calibration			
RCHRG_PAF	mm	Fraction of root zone percolation that recharges the surface aquifer	0-1000
lata		Linear coefficient of surface aquifer reservoir	0-1
latb		Exponential coefficient of surface aquifer reservoir	1-3
ALPHA_BF	days ⁻¹	Baseflow recession constant	0-1
EFFPORFACTOR		Fraction of effective porosity that can hold water under saturated conditions	0-1
EPCO		Plant water uptake compensation factor	0-1
ESCO		Soil evaporation compensation factor	0-1
Smax	mm	Maximum soil water storage capacity in the watershed	100-400
<i>b</i>		Shape parameter defining the distribution of soil water storage capacity	0.1-3