9. Process according to one of claims 1 to 7, wherein the solid form of the pharmaceutical composition is a powder.

10. Process according to one of claims 1 to 9, wherein the solvent is introduced in the container as a jet directed to the solid form of the pharmaceutical composition.

11. Process according to one of claims 1 to 10, further comprising an additional step (iv) wherein after reaching the controlled pressure (p_2), the pressure within the container is further increased before complete reconstitution.

12. Process according to one of claims 1 to 11 further comprising an additional step (v) wherein after reaching the controlled pressure (p_2), the container is subjected to multiple pressure cycles before complete reconstitution.

13. Process according to claim 1 wherein the initial pressure within the container (p_i) in step (i) is from $3x10^4$ Pa to $6x10^4$ Pa and the controlled time (Δt_1) in step (ii) is from 10 seconds to 2 minutes.

14. Process according to claim 13 further comprising after step (iii) a step of mixing the solvent and the pharmaceutical composition by fluidic recirculation and/or mechanical mixing.