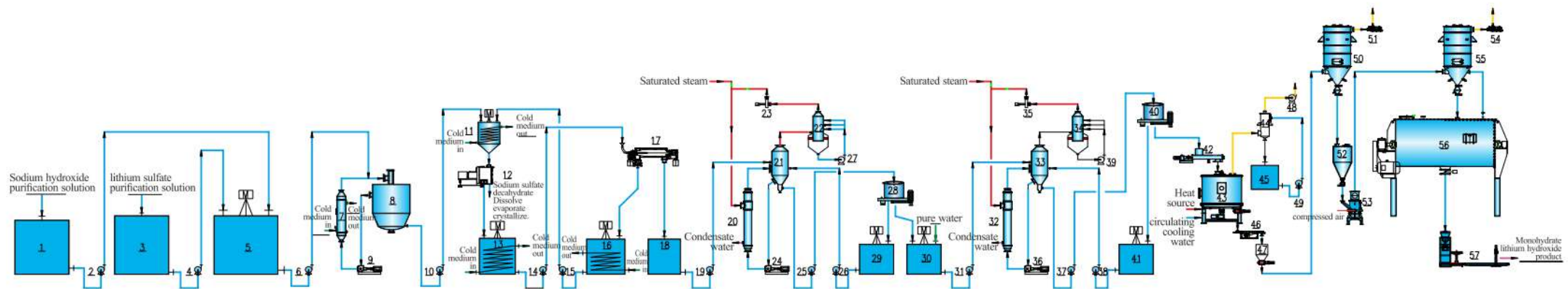


## Schematic diagram of lithium sulfate purification process for battery grade lithium hydroxide production



- 1.Sodium Hydroxide Purification Liquid Tank 2.Sodium Hydroxide Purification Liquid Pump 3.Lithium Sulfate Purification Liquid Tank 4.Lithium Sulfate Purification Liquid Pump 5.Lithium Hydroxide Mixing Liquid Tank 6.Mixing Liquid Pump 7.Crystallization External Cooler 8.Crystallizer 9.Crystallization Circulation Pump 10.Crystallization Discharge Pump 11.High level Tank 12.First stage Centrifuge 13.Mother Liquor Tank 14.Mother Liquor Pump 15.Slurry Pump 16.Second stage Centrifugal Slurry Tank 17.Second stage Centrifuge 18.Frozen Clear Liquid Tank 19.Frozen Clear Liquid Pump 20.One time Evaporation Heater 21.One time Evaporation Crystallizer 23.One time Evaporation Compressor 22.One time Evaporation Demister 24.One time Evaporation Circulation Pump 25.One time Evaporation Discharge Pump 26.One time Evaporation Mother Liquor Pump 27.One time Evaporation Spray Pump 28.One time Evaporation Centrifuge 29.One time Evaporation Mother Liquor Tank 30.Re dissolution Tank 31. Dissolved solution pump 32. Secondary evaporation heater 33. Secondary evaporation crystallizer 34. Secondary evaporation demister 35. Secondary evaporation compressor 36. Secondary evaporation cycle Pump 37.Secondary evaporation discharge pump 38. Secondary evaporation mother liquor pump 39.Secondary evaporation spray pump 40.Secondary evaporation centrifuge 41.Secondary evaporation mother liquor tank 42.Quantitative feeder 43.Disc continuous dryer 44.Wet dust collector 45.Spray water tank 46.Vibration screen 47.Buffer bin 48. Induced draft fan 49.Spray water pump 50.Pneumatic conveying dust collector 51.Pneumatic conveying induced draft fan 52.Buffer bin 53.Airflow mill 54.Airflow crushing induced draft fan 55.Airflow crushing dust collector 56.Mixing machine 57.Packaging machine