

## LWF Explosion-proof Decanter Centrifuges



Impeller liquid discharge system

Our LWF explosion-proof decanter centrifuges are frequently seen in explosive or flammable applications for industries of chemical, petrochemical and pharmacy, etc. During liquid-solid separations, this chemical explosion-proof centrifuge prevents interior air from being discharged or exterior air from flowing into inside of the solid bowl decanter, whereby eliminating explosions.

### Automatic Nitrogen Protection System



### Sealing Systems

#### 1. Atmospheric

The atmospheric centrifuge is well-suited for applications that phases or vapors are harmless to be released to environment, and centrifuge bowl is not necessary to be isolated from surrounding atmosphere.

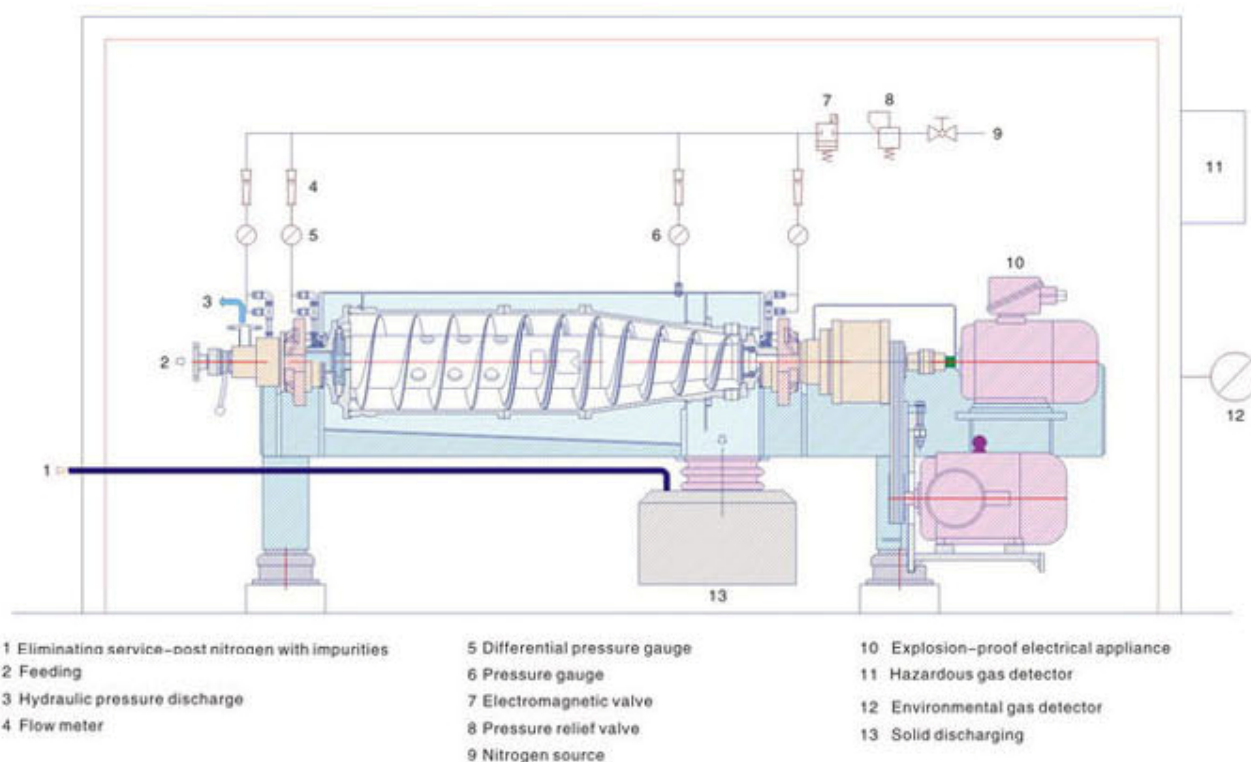
#### 2. Vapor-Tight

The vapor-tight decanter is the proven solution to cases where substances generated from separation processes are harmful to the environment or substances are not supposed to be contact with ambient air.

#### 3. Gas-Tight

The gas-tight centrifuge features inert gases to offer safe operations of phases that are toxic, corrosive or flammable.

## LWF Explosion-proof Decanter Centrifuge System



### Note

Due to sealing system, partial inert gases in our pharmaceutical explosion-proof centrifuge might be emitted to ambient environment. Therefore, sufficient oxygen supply for operatives is necessary. Additional environment detector, such as gas detector, is also essential to ensure staff safety in maintenance of explosion decanter centrifuge.

### Technical Parameter of LWF Explosion-proof Decanter Centrifuge

Items	Model	
	<a href="#">LWF420×1680</a>	<a href="#">LWF530×2120</a>
Bowl Dia. (mm)	420	530
L/D Ratio	4	4
Max. speed (r/min)	3600	3200
G-Force	3044	3035
Main Motor Power (kW)	30-37	45-55
Weight (kg)	2830	4200
Overall Dimension (L×W×H) (mm)	3610 × 1100 × 1486	4885 × 1230 × 1676