

Gaode Dosing Device

Major Performance parameters

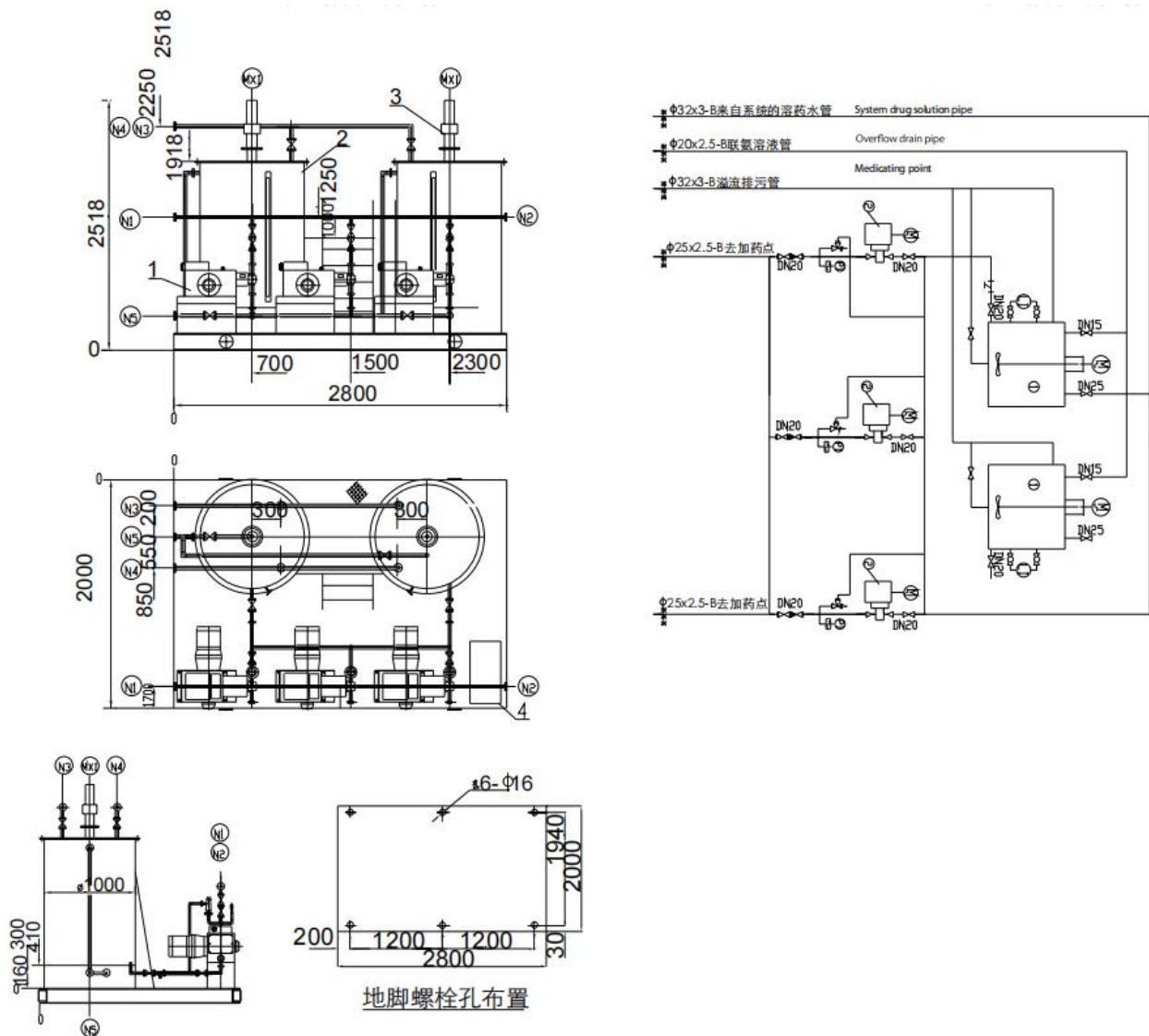
- The dosing device is a complete set of mechatronics equipment.
- In order to adapt to the automation requirements of various industries such as petroleum, chemical industry, metallurgy, oil refining, natural gas, water supply, thermoelectric, pharmaceuticals, food, etc., we design and produce complete sets of devices that add chemicals to each system. It is widely used in oil field surface gathering and transportation, dehydration treatment, papermaking, water treatment, electric power and other industries to add acid, alkali, salt, dehydrating agent, bactericide, flocculant, corrosion inhibitor and other chemicals.
- The device has compact structure, small size, corrosion resistance, low energy consumption, and easy operation and maintenance. It has the functions of storing medicine, mixing and external delivery.
- The core component of the device - the metering pump is a high-precision pump developed and produced by our company, with a maximum flow rate of 50 cubic meters and a maximum pressure of 50MPa.
- The installation components can be made of 304, 316 stainless steel, carbon steel metal-lined polymer materials, engineering plastics, etc.
- The volume of the solution tank ranges from 0.5 to 20 cubic meters.
- Can realize manual, automatic, remote, local and other control methods.
- Can be designed and manufactured according to user requirements.



Ammonia adding device technical design data

Design pressure(kpa)	120	Experimental pressure(kpa)	130
Operating pressure(kpa)	atmospheric pressure	Insulating thickness(mm)	
Design temperature	100	Empty weight(kg)	2500
Media	Water corrosives	Operating weight(kg)	4500
Erosion volume(mm)	D	Experimental weight(kg)	4800
Welding coefficient	0.7	Materials (major parts)	304SS
Radio graphic inspection	partial	Cylinder thickness(mm)	4
Working volume(m ³)		Roof thickness(mm)	4
Total volume(m ³)		Floor thickness(mm)	4

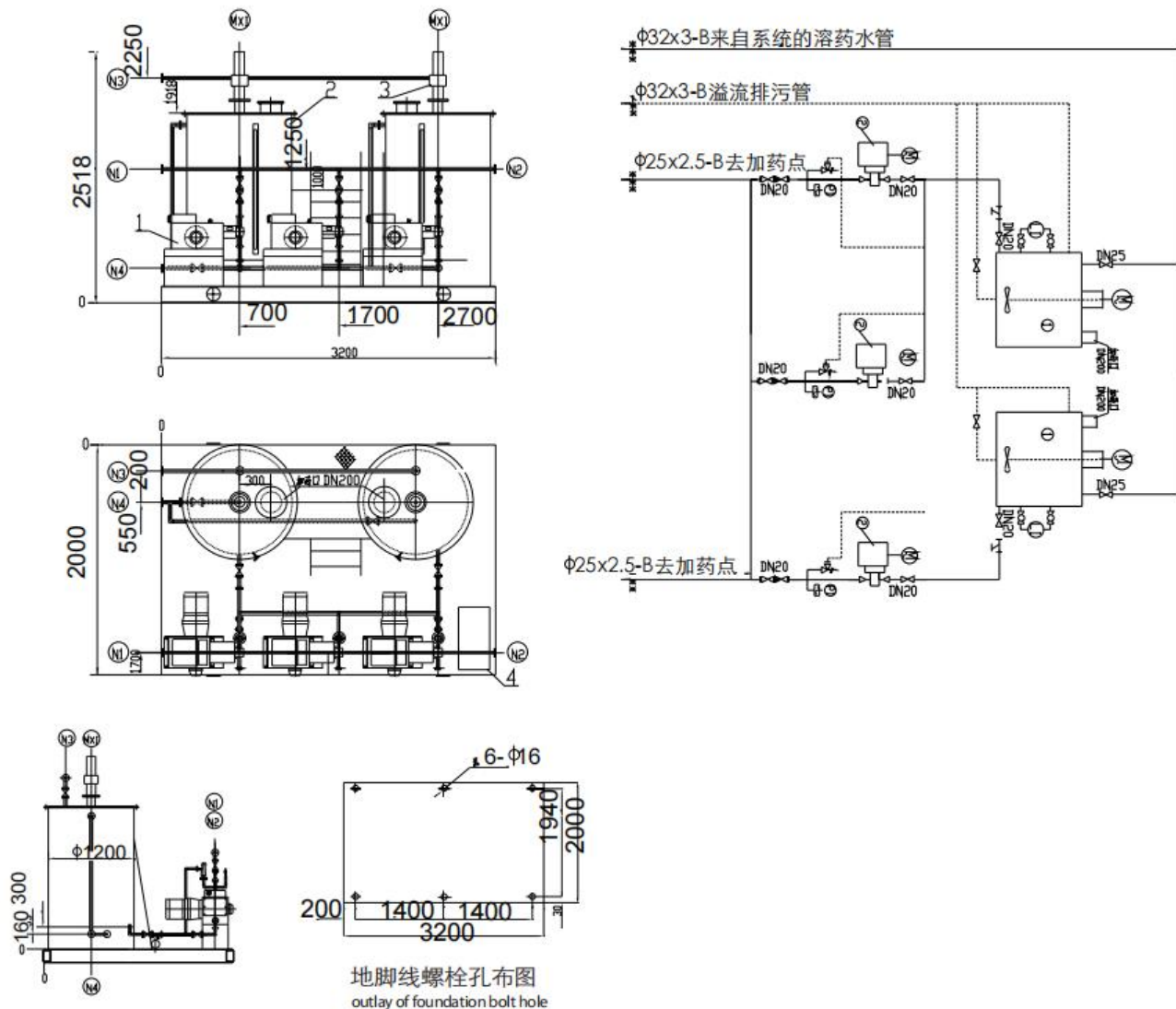
Ammonia adding device layout diagram and system diagram



Phosphate dosing device technical design data

Design pressure(kpa)	120	Experimental pressure(kpa)	130
Operating pressure(kpa)	atmospheric pressure	Insulating thickness(mm)	
Design temperature	100	Empty weight(kg)	2600
Media	Water corrosives	Operating weight(kg)	5600
Erosion volume(mm)	D	Experimental weight(kg)	5800
Welding coefficient	0.7	Materials (major parts)	304SS
Radio graphic inspection	partial	Cylinder thickness(mm)	4
Working volume(m ³)	1.5	Roof thickness(mm)	4
Total volume(m ³)	1.7	Floor thickness(mm)	4

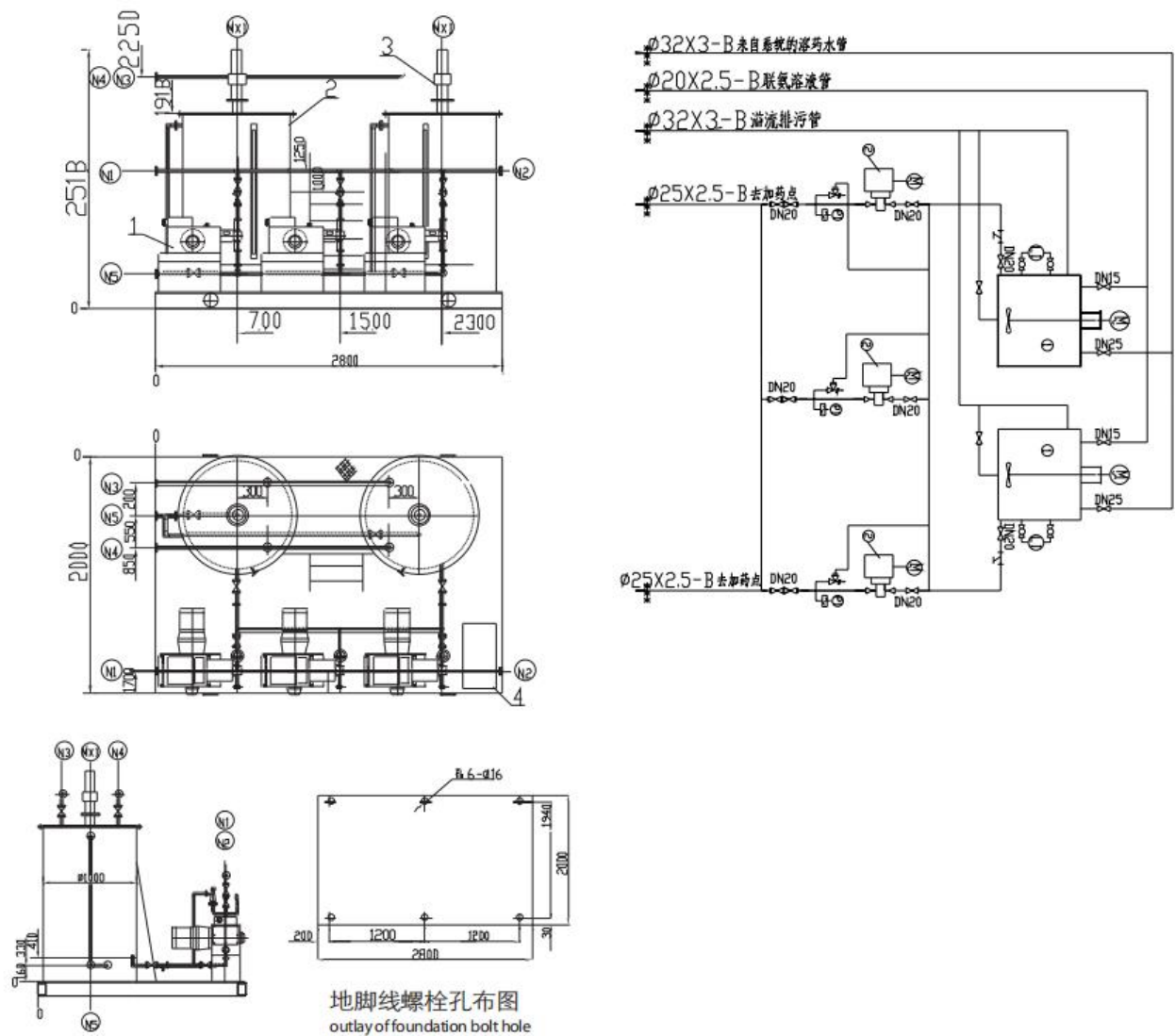
Phosphate dosing device layout diagram and system diagram



Hydrazine dosing device technical design data

Design pressure(kpa)	120	Experimental pressure(kpa)	130
Operating pressure(kpa)	atmospheric pressure	Insulating thickness(mm)	
Design temperature	100	Empty weight(kg)	2500
Media	Water corrosives	Operating weight(kg)	4500
Erosion volume(mm)	D	Experimental weight(kg)	4800
Welding coefficient	0.7	Materials (major parts)	304SS
Radio graphic inspection	partial	Cylinder thickness(mm)	4
Working volume(m ³)		Roof thickness(mm)	4
Total volume(m ³)		Floor thickness(mm)	4

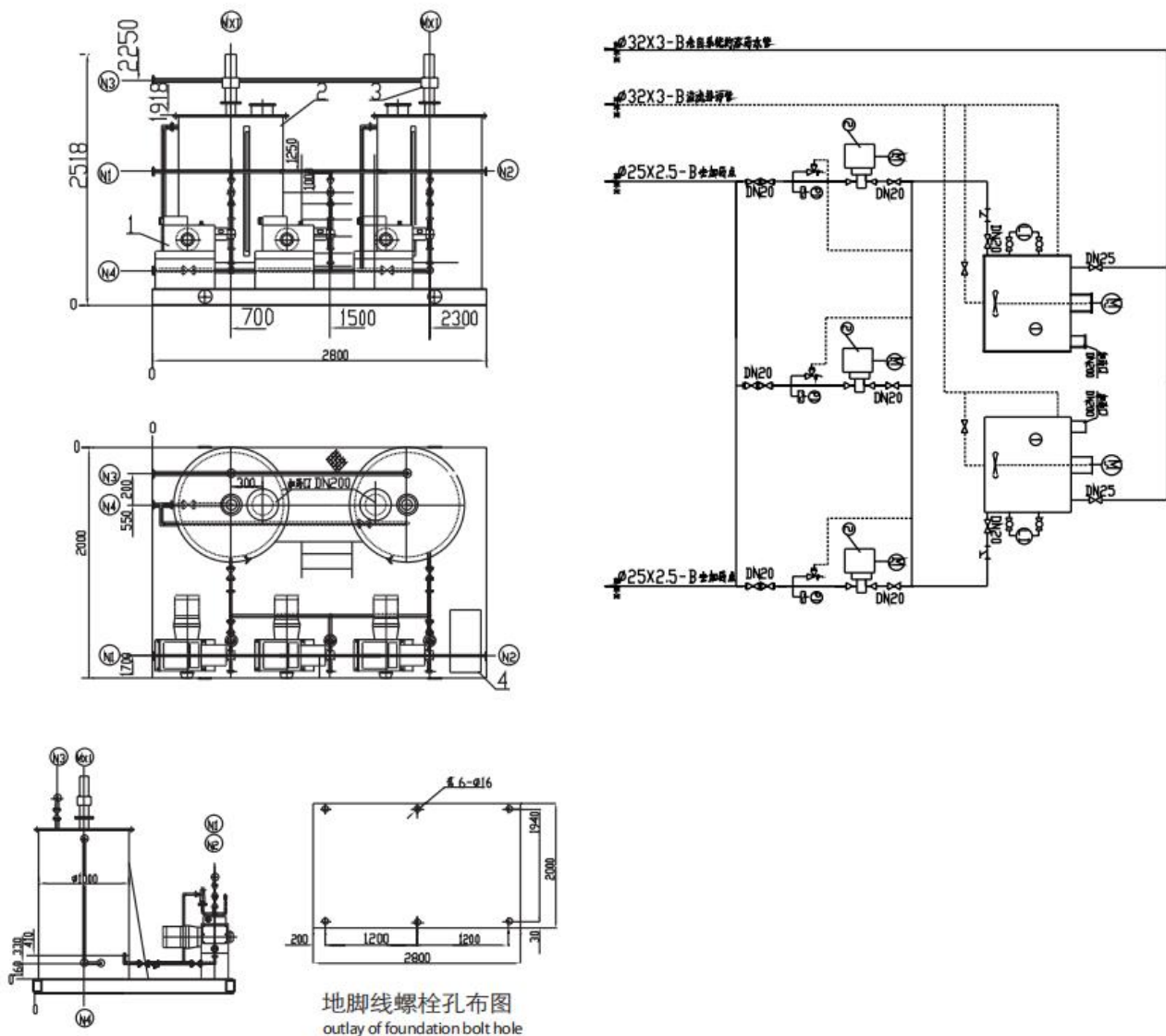
Hydrazine dosing device layout diagram and system diagram



Circulating water dosing device technical design data

Design pressure(kpa)	120	Experimental pressure(kpa)	130
Operating pressure(kpa)	atmospheric pressure	Insulating thickness(mm)	
Design temperature	100	Empty weight(kg)	2500
Media	Water corrosives	Operating weight(kg)	4500
Erosion volume(mm)	D	Experimental weight(kg)	4800
Welding coefficient	0.7	Materials (major parts)	304SS
Radio graphic inspection	partial	Cylinder thickness(mm)	4
Working volume(m ³)	1.0	Roof thickness(mm)	4
Total volume(m ³)	1.1	Floor thickness(mm)	4

Circulating water dosing device layout diagram and system diagram





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