

Архангельск (8182)63-90-72
Астана (7172)727-132
Астрахань (8512)99-46-04
Барнаул (3852)73-04-60
Белгород (4722)40-23-64
Брянск (4832)59-03-52
Владивосток (423)249-28-31
Волгоград (844)278-03-48
Вологда (8172)26-41-59
Воронеж (473)204-51-73
Екатеринбург (343)384-55-89
Иваново (4932)77-34-06

Ижевск (3412)26-03-58
Иркутск (395)279-98-46
Казань (843)206-01-48
Калининград (4012)72-03-81
Калуга (4842)92-23-67
Кемерово (3842)65-04-62
Киров (8332)68-02-04
Краснодар (861)203-40-90
Красноярск (391)204-63-61
Курск (4712)77-13-04
Липецк (4742)52-20-81

Магнитогорск (3519)55-03-13
Москва (495)268-04-70
Мурманск (8152)59-64-93
Набережные Челны (8552)20-53-41
Нижний Новгород (831)429-08-12
Новокузнецк (3843)20-46-81
Новосибирск (383)227-86-73
Омск (3812)21-46-40
Орел (4862)44-53-42
Оренбург (3532)37-68-04
Пенза (8412)22-31-16

Пермь (342)205-81-47
Ростов-на-Дону (863)308-18-15
Рязань (4912)46-61-64
Самара (846)206-03-16
Санкт-Петербург (812)309-46-40
Саратов (845)249-38-78
Севастополь (8692)22-31-93
Симферополь (3652)67-13-56
Смоленск (4812)29-41-54
Сочи (862)225-72-31
Ставрополь (8652)20-65-13

Сургут (3462)77-98-35
Тверь (4822)63-31-35
Томск (3822)98-41-53
Тула (4872)74-02-29
Тюмень (3452)66-21-18
Ульяновск (8422)24-23-59
Уфа (347)229-48-12
Хабаровск (4212)92-98-04
Челябинск (351)202-03-61
Череповец (8202)49-02-64
Ярославль (4852)69-52-93

Киргизия (996)312-96-26-47

Россия (495)268-04-70

Казахстан (772)734-952-31

<https://yinuo.nt-rt.ru/> || yno@nt-rt.ru

QZ Skid Mounted System



QZ Series Skid Mounted Loading System is the integrated loading System that specialized in loading/unloading and metering for oil depot, dock and chemical industry...

Description

- Overview
- Feature
- Model Selection
- Application fields

Overview

QZ Series Skid Mounted Loading System is the integrated loading System that specialized in loading/unloading and metering for oil depot, dock and chemical industry. The system could be customized to include functions of custody transfer, metering, auto-control and information network transmission. Just need to deliver to the site, connect the pipeline, power cables and communication cable, the system will be put into service.



Feature

The whole system mainly consist of pump, flow meter, temperature and pressure transmitters, loading arm, control valve, controller,

security System(anti-static overflow protection, emergency button, safety valve, human static eliminator and signo), parking system, oil gas recovery system and explosion-proof type big screen display, etc. This design not only increases the efficiency and security of operation, but also creates good environmental and social benefits due to eliminating the oil leakage and accurate measurement. According to the actual situation on site of terminal depot we could provide advisory service and customize the most economical and practical solution with

Following typical advantages:

- (1) Compact structure design save space for installation and provide an integrated systems concept for anti-static overflow protection, eliminating static electricity on the human body, the grounding and emergency shutdown etc which not only ensure the safety, but also prevent unnecessary waste and decrease the costs.
- (2) Turnkey solutions can achieve the seamless connection with the third party depot automatic system after pre-manufacturing and pre-testing in the factory and integrating all the framework, pipework, instrumentation, electric and control devices, security alarm system and relevant software.
- (3) Wide application for various products dosing such as gasoline oil, diesel oil alcohol; customized design of oil dispatching platform using various demand and diversified oil dispatching models including local or remote or IC card.
- (4) Substantial reduction on field work including welding, testing and commissioning cost; convenient maintenance also cut down the repair cost.

Model Selection for oil truck

Basic Model	1	2	3	4	5	6	7	Description
QV —	Side loading	Up loading	Dispatch	Communication	Unit	Accuracy	Pipeline aerial	
	1	1						Skid mounted System for oil truck
	2	2						Dispatching channel: 1
	3	3						Dispatching channel: 2
	4	4						Dispatching channel: 3
			S					Up loading
			X					Side loading
			SX	RS				Both of up and side loading RS485-MODBUS
					Q			Volume 3
					%			Mass: K g/T
						0.15		Accuracy +/ -0.15%
						0.25		Accuracy +/ -0.25%
						0.50		Accuracy +/ -0.50%
							G	Cast Steel
							304	Stainless Steel 304
							316	Stainless Steel 316

Model Selection for railway motor car

Basic Model	1	2	3	4	5	6	7	Description
QZZX	Loading arm No.	Oil gun No.	Video monitor	Communication	Unit	Accuracy	Pipeline aerial	Skid mounted System for railway motor car
1-6								Loading arm number
	1-12							Oil gun number
		Y						Yes
		N						No
			RS					RS485-MODBUS
				Q				Volume 3
				%				Mass: K g/T
					0.15			Accuracy +/ -0.25%
					0.25			Accuracy +/ -0.25%
					0.50			Accuracy +/ -0.50%
						G		Cast Steel
						304		Stainless Steel 304
						316		Stainless Steel 316
								Cast Steel
								Stainless Steel 304
								Stainless Steel 316

Technical Data for oil truck

- ⊙ Power source: AC220V
- ⊙ Communication: RS485-MODBUS
- ⊙ Input method: touch screen
- ⊙ Display mode: LCD instrument (LED big screen)
- ⊙ IC card mode: optional
- ⊙ System power : < 200W
- ⊙ Dispatching efficiency: 120m³/h
- ⊙ Dispatching records: 200 times
- ⊙ Alarm response time : < 2ms
- ⊙ System MTBF: 20000h
- ⊙ Operating temperature: (-20 ~ +60) °C
- ⊙ Explosive-proof grade: Exd II BT4

○IP Class: IP65

○With power-off protection function.

Main Technical Data for railway motor car

(1) Power source: AC220V or AC380

(2) Accuracy: Accumulative flow accuracy: $\pm 0.25\%$; Temperature display accuracy: $\pm 0.50^{\circ}\text{C}$

(3) Set value: Batch quantity setting range: 1~999999

Density setting range: 0.0001~2.0000

Flow coefficient setting range: 0.1000~99999

Temperature setting range: 1.0000~99999 $^{\circ}\text{C}$

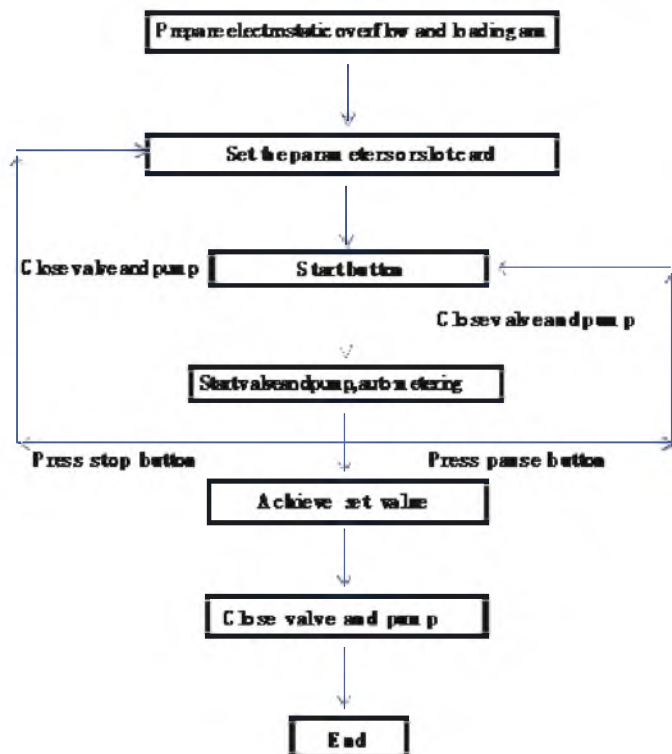
(4) Communication: Max. 1.2km through RS485-MODBUS;

Baud rate of 2400, 4800, 9600 and 19200 for option

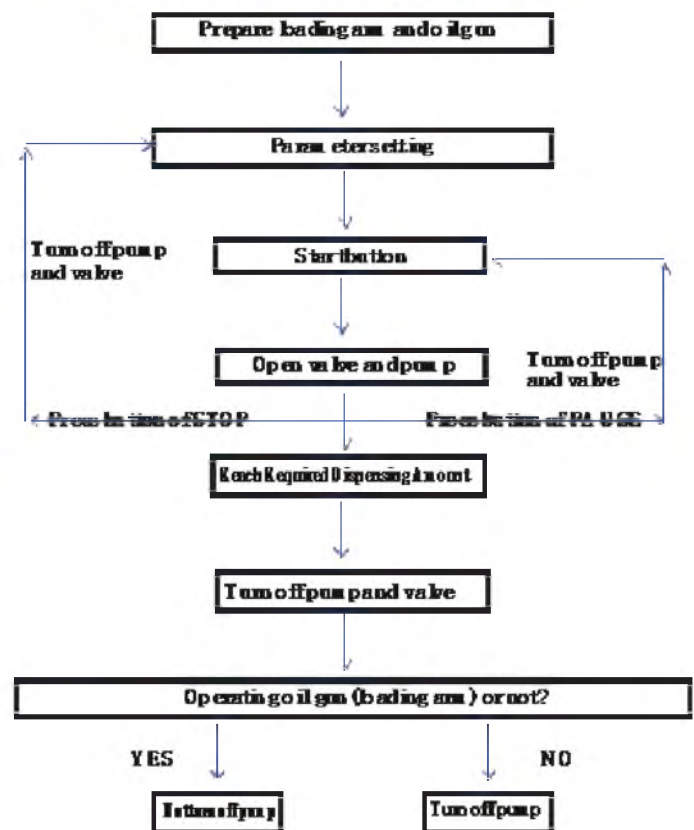
(5) Ambient condition: Ambient temperature: $-(40\sim+65)^{\circ}\text{C}$; Relevant humidity: $\leq 95\%$

(6) Explosion-proof: Exd II BT4

Workflow for oil truck



Workflow for railway motor car



Application fields

1. New oil depot or Old oil depot rebuilding.
2. Loading and unloading oil truck.
3. Loading and unloading railway motor car.
4. Loading and unloading ship at dock.

Архангельск (8182)63-90-72
Астана (7172)727-132
Астрахань (8512)99-46-04
Барнаул (3852)73-04-60
Белгород (4722)40-23-64
Брянск (4832)59-03-52
Владивосток (423)249-28-31
Волгоград (844)278-03-48
Вологда (8172)26-41-59
Воронеж (473)204-51-73
Екатеринбург (343)384-55-89
Иваново (4932)77-34-06

Ижевск (3412)26-03-58
Иркутск (395)279-98-46
Казань (843)206-01-48
Калининград (4012)72-03-81
Калуга (4842)92-23-67
Кемерово (3842)65-04-62
Киров (8332)68-02-04
Краснодар (861)203-40-90
Красноярск (391)204-63-61
Курск (4712)77-13-04
Липецк (4742)52-20-81

Магнитогорск (3519)55-03-13
Москва (495)268-04-70
Мурманск (8152)59-64-93
Набережные Челны (8552)20-53-41
Нижний Новгород (831)429-08-12
Новокузнецк (3843)20-46-81
Новосибирск (383)227-86-73
Омск (3812)21-46-40
Орел (4862)44-53-42
Оренбург (3532)37-68-04
Пенза (8412)22-31-16

Пермь (342)205-81-47
Ростов-на-Дону (863)308-18-15
Рязань (4912)46-61-64
Самара (846)206-03-16
Санкт-Петербург (812)309-46-40
Саратов (845)249-38-78
Севастополь (8692)22-31-93
Симферополь (3652)67-13-56
Смоленск (4812)29-41-54
Сочи (862)225-72-31
Ставрополь (8652)20-65-13

Сургут (3462)77-98-35
Тверь (4822)63-31-35
Томск (3822)98-41-53
Тула (4872)74-02-29
Тюмень (3452)66-21-18
Ульяновск (8422)24-23-59
Уфа (347)229-48-12
Хабаровск (4212)92-98-04
Челябинск (351)202-03-61
Череповец (8202)49-02-64
Ярославль (4852)69-52-93

Киргизия (996)312-96-26-47

Россия (495)268-04-70

Казахстан (772)734-952-31

<https://yinuo.nt-rt.ru/> || yno@nt-rt.ru