



凯龙高科技股份有限公司
Kailong High Technology Co., Ltd.



Hot Products Catalogue

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Filter

Part 1

Honeycomb ceramic substrate

Wall-flow type DPF -DPF(Symmetrical structure and asymmetric structure)

Cordierite 200 Mesh-12mil



Product Introduction

It is mainly made of cordierite or silicon carbide, and adopts wall flow structure to effectively capture particulate matter in diesel engine exhaust to reduce PM and PN emissions. It is suitable for the elimination of black smoke particulate matter in non-road internal combustion engine exhaust, such as diesel engine vehicles, diesel generator sets and various construction machinery.

Filtering Efficiency	$\geq 95\%$
The Median Pore Diameter	$12 \pm 3 \mu\text{m}$
SIC Poriness	$42 \pm 3\%$
Cordierite Porosity	$52 \pm 3\%$

Wall-flow type DPF -DPF(Symmetrical structure and asymmetric structure)

Cordierite 300 Mesh-9mil

Product Introduction

It is mainly made of cordierite or silicon carbide, and adopts wall flow structure to effectively capture particulate matter in diesel engine exhaust to reduce PM and PN emissions. It is suitable for the elimination of black smoke particulate matter in non-road internal combustion engine exhaust, such as diesel engine vehicles, diesel generator sets and various construction machinery.



Filtering Efficiency	≥95%
The Median Pore Diameter	12±3μm
SIC Poriness	42±3%
Cordierite Porosity	52±3%

Wall-flow type DPF -DPF(Symmetrical structure and asymmetric structure)

SiC Base 200 Mesh -14mil



Product Introduction

It is mainly made of cordierite or silicon carbide, and adopts wall flow structure to effectively capture particulate matter in diesel engine exhaust to reduce PM and PN emissions. It is suitable for the elimination of black smoke particulate matter in non-road internal combustion engine exhaust, such as diesel engine vehicles, diesel generator sets and various construction machinery.

Filtering Efficiency	$\geq 95\%$
The Median Pore Diameter	$12 \pm 3 \mu\text{m}$
SiC Poriness	$42 \pm 3\%$
Cordierite Porosity	$52 \pm 3\%$

Wall-flow type DPF -DPF(Symmetrical structure and asymmetric structure)

SiC Base 300 Mesh -10mil

Product Introduction

It is mainly made of cordierite or silicon carbide, and adopts wall flow structure to effectively capture particulate matter in diesel engine exhaust to reduce PM and PN emissions. It is suitable for the elimination of black smoke particulate matter in non-road internal combustion engine exhaust, such as diesel engine vehicles, diesel generator sets and various construction machinery.

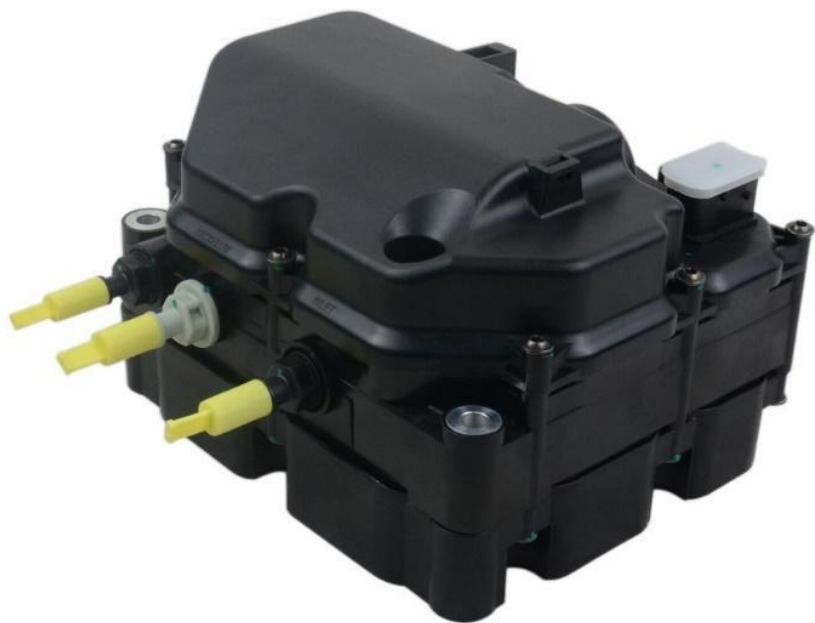


Filtering Efficiency	$\geq 95\%$
The Median Pore Diameter	$12 \pm 3 \mu\text{m}$
SiC Poriness	$42 \pm 3\%$
Cordierite Porosity	$52 \pm 3\%$

Part 2

Urea Pump

N2.2(Tank-Top Integrated Pump)



Product Introduction

12V Def Urea Pump 098644D120 0444042064 for
Denoxtronic 2.2 Cummins ISX ISB ISC

N2.1(Tank-Top Integrated Pump)



Kailong pump can perfect replace below products:

0444 042 002

BOSCH 0 444 042 004

BOSCH 0 444 042 009

BOSCH 0 444 042 012 Feed Module (AdBlue)

BOSCH 0 444 042 013 Feed Module (AdBlue)

BOSCH 0 444 042 014 Feed Module (AdBlue)

BOSCH 0444042015 Feed Module (AdBlue)

BOSCH 0 444 042 017 Feed Module (AdBlue)

BOSCH 0444042018 Feed Module (AdBlue)

BOSCH 0444042019 Feed Module (AdBlue)

BOSCH 0444042024 Feed Module (AdBlue)

BOSCH 0444042026 Feed Module (AdBlue)

BOSCH 0444042035 Feed Module (AdBlue)

BOSCH 0444042059 Feed Module (AdBlue)

BOSCH 0444042061 Feed Module (AdBlue)

BOSCH 0444042063 Feed Module (AdBlue)

BOSCH 0444042064 Feed Module (AdBlue)

BOSCH 0444042066 Feed Module (AdBlue)

BOSCH 0444042067 Feed Module (AdBlue)

BOSCH 0444042068 Feed Module (AdBlue)

BOSCH 0444042070 Feed Module (AdBlue)

BOSCH 0444042090 Feed Module (AdBlue)

BOSCH 0444042091 Feed Module (AdBlue)

BOSCH 0444042092 Feed Module (AdBlue)

BOSCH 0444042093 Feed Module (AdBlue)

CUMMINS 2871879RX CUMMINS 2871879 CUMMINS A028Y792

BOSCH 0444042003 BOSCH 0444042013 BOSCH 098644D120 BOSCH 098644D122

N2.2(Tank-Top Integrated Pump)



Product Introduction

24V BOSCH Denoxtronic 2.2 – EURO 6
Denoxtronic 2.2 BOSCH DEF Pump / Module / Doser for
Urea

N2.1(Tank-Top Integrated Pump)



Kailong pump can perfect replace below products:

ADL: 662102

Agrale: 60525001071001 / 6033001121007

BOSCH: 0444042067 / 0444042133 / 0444042137 / 0444042073 / 0444042004 /
0444042014 /

0444042129 / 0444042136

444042033 / 0444042003 / A0284793 / A052U285

Cummins: 2871880 / 2880158 / 4387305/RX / 4387658/RX

4387305 / A028Y93

DAF: 1819797

FAW: 1160010 / 116001AG682-0000 / 1161010-51B1B

John Deere: RE553796 / 17011521743

Volvo: 2871880/RX / 2871879 / 1871880

N2.2(Tank-Top Integrated Pump)

Product Introduction

24V Urea Pump for WEICHAIBOSCH
6.5 Gen

Kailong pump can perfect replace below products:

WEICHAIB612604130574

WEICHAIB612640130089

BOSCH 0444110011

BOSCH 0444110012

BOSCH 0444110014

BOSCH 0444 043016



N2.2(Tank-Top Integrated Pump)

Product Introduction

24V DAF CF65 LF45 LF55 LF EURO 6 ENGINES UREA
ADBLUE SCR PUMP DOSING MODULE



Kailong pump can perfect replace below products:

Cummins 5273338, Cummins 1705244, Cummins 1409391, Cummins 4931694

DAF CF65 (2001 - 2013). LF45 (2001 - 2013). LF55 (2001 - 2013). LF (2013 Onwards).

N2.1 (Tank-Top Integrated Pump)

Product Introduction



N2.1 series of urea pumps belong to tank top installation structure, the pump and urea level quality sensor integrated urea pump, the quality sensor module is independently installed in the bottom of the urea pump, used to measure the mass concentration of urea solution. The urea pump adopts the standard bayonet ($\phi 80$) connection form and is installed at the top of the urea tank. It is convenient and reliable to install and has compact structure, especially suitable for compact vehicles.

N2.1(Tank-Top Integrated Pump)

Parameters



Rated Pressure	7 bar
Rated Flow Rates	7.5L/h
Rated voltage	DC 12V/24V
Level of Ingress Protection	IP67
Operating temperature	-40~85°C
Heating Method	Heating (Electricity + Water)
Accuracy of Urea Concentration Measurement	±1% (- 7°C~60°C/25%~36%)
Operating Voltage	6v ~ 32v
Concentration response Time	≤3S
Operating power consumption	40W
Heating power consumption	20W
Communication Protocol	SAE J1939

N3.0(Tank Top Integrated Pump)

Product Introduction



N3.0 series urea pump belongs to tank top installation structure, the pump and urea liquid level quality sensor integrated urea pump, the quality sensor module is independently installed in the bottom of the urea pump, used to measure the mass concentration of urea solution. The urea pump adopts big bayonet (101) connection form to be installed on the top of the urea tank, convenient and reliable installation, compact structure, especially suitable for compact vehicle space.

N3.0(Tank Top Integrated Pump)



Parameters

Rated Pressure	7.5 bar
Rated Flow Rates	7.5L/h
Rated voltage	DC 12V/24V
Level of Ingress Protection	IP67
Operating temperature	-40~85℃
Heating Method	Heating (Electricity + Water)
Accuracy of Urea Concentration Measurement	±1% (- 7℃~60℃/25%~36%)
Operating Voltage	6v ~ 32v
Concentration response Time	≤3S
Operating power consumption	40W
Heating power consumption	20W
Communication Protocol	SAE J1939

N2.2B(Independent Urea Pump)

Product Introduction



N2.2 series urea pump belongs to independent installation structure, which needs to be installed in the vehicle by bracket. The performance of this urea pump is similar to that of Bosch Denox2.2, which is mature and reliable. Its installation size, mechanical and electrical interfaces are the same as Denox2.2 urea pump, and the interface of electronic control system is compatible, so it can replace Denox2.2 urea pump.

N2.2B(Independent Urea Pump)



Parameters

Rated Pressure	9 bar
Rated Flow Rates	7.2L/h
Rated voltage	DC 12V/24V
Level of Ingress Protection	IP67
Operating temperature	-40~85°C
Heating Method	Electrical Heating
Operating power consumption	40W
Heating power consumption	96W

N3.5 (Independent Urea Pump)

Product Introduction



N3.5 series urea pump is a new generation gear type independent pump independently developed by Kailong High-tech. It needs to be installed in the vehicle by bracket alone. It has the functions of urea solution filtration, temperature detection, pressure detection, heating, injection building pressure, stabilizing pressure, reverse pumping, anti-freezing and so on. It is small in size and light in weight, easy to install and maintain, and widely used in national Sixth light truck, heavy truck and other vehicles.

N3.5 (Independent Urea Pump)



Parameters

Rated Pressure	7.5 bar
Rated Flow Rates	5L/h
Rated voltage	DC 12V/24V
Level of Ingress Protection	IP67
Operating temperature	-40~85°C
Heating Method	Electrical Heating
Operating power consumption	40W
Heating power consumption	70W
Communication Protocol	SAE J1939

Part 3

Urea Tank

10L



It is used for storing urea aqueous solution of SCR post-treatment system that meets national Six emission standards. The urea solution tank is made of polyethylene, which has excellent properties such as high earthquake resistance, high aging resistance and high corrosion resistance. The tank is equipped with urea liquid level, urea quality and urea temperature sensors. Related sensors monitor the status of urea solution in the tank to ensure the normal supply of urea solution. This specification urea tank is widely used in non - road, light truck models.

Parameters

Tank Material	HDPE
Volume	10L
Diameter of Filling Port	Φ20mm
Inlet and Outlet Connectors	SAE Standard Connector
Environment Temperature	-40~85℃

16L



It is used to store urea solution in SCR post-treatment system that meets CN6 and EU6 emission standards. The urea solution tank is made of polyethylene and has excellent properties such as high earthquake resistance, high aging resistance and high corrosion resistance. The tank is equipped with urea liquid level, urea quality and urea temperature sensors. Related sensors monitor the status of urea solution in the tank to ensure the normal supply of urea solution. This specification urea tank is suitable for non - road, light truck models.

Parameters

Tank Material	HDPE
Volume	16L
Diameter of Filling Port	Φ20mm
Inlet and Outlet Connectors	SAE Standard Connector
Environment Temperature	-40~85℃

20L



Product Introduction

It is used to store urea solution in SCR post-treatment system that meets CN6 and EU 6 emission standards. The urea solution tank is made of polyethylene and has excellent properties such as high earthquake resistance, high aging resistance and high corrosion resistance. The tank is equipped with urea liquid level, urea quality and urea temperature sensors. Related sensors monitor the status of urea solution in the tank to ensure the normal supply of urea solution. This specification urea tank is widely used in non - road, light truck models.

Parameters

Tank Material	HDPE
Volume	20L
Diameter of Filling Port	Φ20mm
Inlet and Outlet Connectors	SAE Standard Connector
Environment Temperature	-40~85℃

35L



It is used to store urea solution in SCR post-treatment system that meets national and Euro 6 emission standards. The urea solution tank is made of polyethylene and has excellent properties such as high earthquake resistance, high aging resistance and high corrosion resistance. The tank is equipped with urea liquid level, urea quality and urea temperature sensors. Related sensors monitor the status of urea solution in the tank to ensure the normal supply of urea solution. This specification urea tank is widely used in non - road, light truck models.

Parameters

Tank Material	LLDPE
Volume	35L
Diameter of Filling Port	Φ20mm
Inlet and Outlet Connectors	SAE Standard Connector
Environment Temperature	-40~85℃

40L



Product Introduction

It is used to store urea solution in SCR post-treatment system that meets national and Euro 6 emission standards. The urea solution tank is made of polyethylene and has excellent properties such as high earthquake resistance, high aging resistance and high corrosion resistance. The tank is equipped with urea liquid level, urea quality and urea temperature sensors. Related sensors monitor the status of urea solution in the tank to ensure the normal supply of urea solution. This specification urea tank is suitable for non - road, medium - heavy truck type.

Parameters

Tank Material	LLDPE
Volume	40L
Diameter of Filling Port	Φ20mm
Inlet and Outlet Connectors	SAE Standard Connector
Environment Temperature	-40~85℃

50L



Product Introduction

It is used to store urea solution in SCR post-treatment system that meets national and Euro 6 emission standards. The urea solution tank is made of polyethylene and has excellent properties such as high earthquake resistance, high aging resistance and high corrosion resistance. The tank is equipped with urea liquid level, urea quality and urea temperature sensors. Related sensors monitor the status of urea solution in the tank to ensure the normal supply of urea solution. This specification urea tank is suitable for non - road, medium - heavy truck type.

Parameters

Tank Material	HDPE
Volume	50L
Diameter of Filling Port	Φ20mm
Inlet and Outlet Connectors	SAE Standard Connector
Environment Temperature	-40~85℃

Part 4

Nozzle

Product Introduction

The three-hole flange is installed on the nozzle seat of the exhaust pipe to measure the amount of urea solution sprayed by the SCR system, which has the advantages of high injection precision, good atomization effect and high stability.

Parameters



Dynamic Flow Accuracy	±5%
Static Flow Accuracy	7.2kg/h@900kPa
Spray Cone Angle	23° ±5°
The Spray Particle Size SMD	75µm

Product Introduction

The v-shaped clamp is installed on the nozzle seat of exhaust pipe to measure the amount of urea solution sprayed by SCR system, which has the advantages of high injection precision, good atomization effect and high stability.

Parameters



Dynamic Flow Accuracy	$\pm 5\%$
Static Flow Accuracy	5.1kg/h@900kPa
Spray Cone Angle	$25^{\circ} \pm 5^{\circ}$
The Spray Particle Size SMD	70 μ m

Dosing Module, urea injection



Kailong reference no.: 04.1205.17606200B

OE no. info:

AGCO: 837074845 / E842201110050

BOSCH: 0444043045 / 0444043051 / 0444043054 / 444043073
0444043133 / 0444043140 / 0444043053

Cummins: 5305254 / A043C088

DAF: 1975291

John Deere: RE560468

KHD: 04604141

New Holland: 47715717

Diesel Urea Single Spay Nozzle 0280158701 fit For Adblue Urea Injector pump
2.2 Repair of DAF CF 85 XF 105 75 of Injection Dosing Module

Kailong reference no.: 04.1205.17605520B

OE no. info:
0280158714, 0280158701



AdBlue Doser Injector (Urea Pump Nozzle) – Cummins Euro 4 BOSCH



Kailong reference no.: 03.1205.17111000

OE no. info:

Cummins: 4936201 / R1471205750 / T13L0

DAF: 1735780 / 1735784

BOSCH: 0444012003

DAF 1703574 Adblue Injection Nozzle Truck;
1409396 DAF Ad Blue Injector Nozzle 1703574,4999800



Kailong reference no.: 03.1205.17110300

OE no. info:

4999800, 1703574, 1409396

Replace fits OE#: 4999800,
0444043018 ,Q67693, 1205750-KW100 ,
1703574 ,1409396

Urea Pump Injector Nozzle 5309343 For Cummins Engine ISBE ISF For Tianlong
For Auman Ecofit 5290995 A042P588 Urea Fuel System



OE no. info:
5309343,5290995,A042P588

Part 5

Sensor

Urea Level Sensor

Product Introduction

This product is used to measure the height and temperature of urea liquid level in the urea solution tank of the SCR exhaust after-treatment system, which sends corresponding signals to the ECU to ensure the normal operation of the SCR exhaust after-treatment system. It has the advantages of high precision, good reliability, strong earthquake resistance, high defrost efficiency and simple installation. It is widely used in road and non - road SCR after-treatment system.



Parameters

Operating Temperature	-40～85℃
Level of Ingress Protection	IP67
Storage Temperature	-55～95℃
Heating Method	Engine Coolent
Accuracy of Liquid Level Measurement	±5 mm
Temperature Range / Accuracy	±1℃(-40～85℃)

This product is used to measure the height, temperature and concentration of urea liquid level in the urea solution tank in the SCR exhaust after-treatment system, and send corresponding signals to ECU to ensure the normal operation of the SCR exhaust after-treatment system. It has the advantages of high precision, good reliability, strong earthquake resistance, high defrost efficiency and simple installation. It is widely used in road and non - road SCR post - processing system.

Operating Temperature	-40～85℃
Level of Ingress Protection	IP67
Storage Temperature	-55～95℃
Heating Method	Engine Coolent
Accuracy of Liquid Level Measurement	±5 mm
Temperature Range / Accuracy	±1℃(-40～85℃)
Concentration Range	0～50%
Accuracy of Concentration Measurement	±1% (- 7℃～60℃/25%～36%)
	±2% (Life Circle)
Initial Response Time	<3S

Fuel Level Sensor



Product Introduction

This product is used to measure the fuel level in the tank of the truck and send corresponding signal to THE ECU to ensure the normal operation of the fuel supply system. It has the advantages of high precision, good reliability, strong earthquake resistance and simple installation. Widely used in light, medium and heavy truck fuel fuel supply system.

Parameters

Rated Power	125mW
Precision Range	10 ~ 40mm
Operating Temperature	-40~85℃
Level of Ingress Protection	IP67

Part 6

Urea / DEF Filter

Urea / DEF Filter



Bosch DEF Filter 1457436033, 1457436088
VOLVO21516229 VOLVO21496419 VOLVO21673812
VOLVO23381562 VOLVO21519229

SCANIA2164921

MAN81154036151 DAF2014774 DAF1927474 DAF1847823
IVECO47364243 IVECO5801667204 IVECO500086593
IVECO5802310802 IVECO58086593
RENAULT TRUCKS7421574991
RENAULT TRUCKS7485138439
FORDGC465L264AAN
FORDT221046
ISUZU8981694030
HINOS17K0E0011
AGCOV837079423
CASE IH47703146 CASE IH48089821 CASE IHKHH20151
CATERPILLAR3783187
LIEBHERR12205084



Chinese technology
Making the sky bluer



谢谢

T H A N K S

