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Nuke Performance CFC Unit - Low profile Competition Fuel Cell Unit with integrated fuel surge tank

Cena brutto	**3 399,00 zł**
Cena netto	**2 763,41 zł**
Cena poprzednia	~~**4 194,86 zł**~~
Dostępność	**Na zamówienie**
Numer katalogowy	**331140445**
Kod producenta	**NP-150-05-201**

Opis produktu

The Nuke Performance CFC Unit - Competition Fuel Cell Unit, with integrated fuel surge tank and fuel pump hanger. Fits the most common fuel cells for your every need.
The next-gen and the perfect solution for a modern, lightweight, safe, and functional fuel setup for serious builds for track days, time attack, drifting, or any other type of motorsports. Eliminates fuel starvation during racing.

Fits your standard **aftermarket Fuel Cell**
Lowest weight "drop-in surge tank" available
Integrated **2 liter Fuel Surge Tank** function
A single oversized AN-10 outlet, for maximal flow
Steady flow even **well over 2000 horsepower**
Now with ORB threads, AN-10 outlet / AN-8 return
Made in Sweden
100% proof for E85, methanol, and petrol

The Nuke Performance CFC Unit eliminates the need for an external surge tank which is other needed when running a fuel cell, it is a perfect use for fuel injected systems. Use with PWM control, combined with the CFC Unit it is an effective solution to prevent emerging heat when running numerous fuel pumps. This is the best way to eliminate fuel starvation that may occur in motorsports. And with the use of the standardized 6x10" 24-bolt fill plate pattern, it fits close to all fuel cells on the market.

Integrated 2 liter surge tank, billet fuel pump hanger for 1-2 fuel pumps
The unique CFC Unit from Nuke Performance works as a fill plate replacement for fuel cells with the standardized 6x10" 24-bolt pattern fill plates. The CFC Unit is the perfect solution for a simplified high performing fuel system where safety is of uttermost importance. With the integrated drop-in surge tank, this setup eliminates the need for a space-consuming external surge tank. With all the needed fuel pumps mounted within the fabric fuel bladder itself, this is the only thing you need. This frees up space and weight and increases safety as fewer fuel line fittings are necessary and no external fuel pumps are used. And with its unique low-profile billet design, this is the most lightweight solution on the market and lets you save crucial weight in your racecar.

Internal high-pressure fuel pumps, for any need between 200 - 2000hp
The CFC Unit - Competition Fuel Cell Unit, with an integrated fuel surge tank, uses a billet fuel pump hanger and fits a single or dual high-pressure fuel pump from Deatschwerks, AEM, Ti Automotive, Walbro, Bosch, Fuelab, Aeromotive, and many more. It fits all common 39mm fuel pumps, as well as the larger Deatschwerks DW400, Walbro GST400/GST450/GST520, Bosch BR540, and Aeromotive Stealth 450. To make sure that the fuel surge tank is always filled, one fuel pump is mounted within the fuel cell, mounted to a height-adjustable aluminum mount, and works as a lift fuel pump. This solution is ready to deliver steady fuel flow for demands anywhere between 200-2500 horsepower without fuel starvation, even during demanding driving conditions thanks to the internal surge tank. This has become an extremely popular solution for all types of motorsports.

Fits **Deatschwerks DW400** in a single or dual setup

Single or dual **Ti Automotive / Walbro GST450 / GST 525**

All 39mm fuel pumps such as **AEM 320L E85** and **DW300**

100% E85 proof design and functionality

The CFC Unit fits the most common fuel pumps. Together with the Nuke Performance fuel pump mounting kits, it has never been this easy to set up a high-performance fuel system. And every little part of the CFC Unit is guaranteed to work perfectly with alcoholic fuels, such as ethanol even during long-term usage.

How to mount fuel pumps with the Nuke Performance CFC Unit?
The single fuel pump mounted within the fuel cell functions as a pickup fuel pump that ensures that the high-pressure fuel pumps within the oversized 2.0 liter (0.53 gallons) surge tank always have sufficient fuel to maximize fuel flow and eliminate the risk of starvation that can seriously harm your engine and your performance. For more information, view the product manual. The CFC Unit is delivered with everything you need to install the fuel pumps of your selection, but we recommend adding one of our fuel pump mounting kits for optimal functionality. All fuel pumps are securely mounted in all conditions thanks to the billet fuel pump brackets.

Our wide variety of fittings and fitment possibilities suits your every need for fuel delivery within an aftermarket fuel system
The Nuke Performance CFC Unit - Low profile Competition Fuel Cell Unit, with an integrated fuel surge tank, is now equipped with ORB threads instead of the UNF threads they used in the beginning. The AN-10 ORB outlet port and the AN-8 ORB return port lets you choose from a wide range of different available ORB fittings. The use of the oversized, high flow AN-10 ORB outlet combines the internal fuel pumps into one single fuel line and minimizes the need for external equipment, hoses, and fittings. The included rollover protected vent fitting is of AN-6 (3/4 UNF) and can be swapped for AN-6 to AN-10 when needed. Outlet and return AN-6, AN-8, AN-10, and AN-12 fittings are sold separately as accessories.
Outlet fittings :
AN-10 ORB to AN-6 Male Part # : 700-04-108
AN-10 ORB to AN-8 Male Part # : 700-04-109
AN-10 ORB to AN-10 Male Part # : 700-04-110
AN-10 ORB to AN-12 Male Part # : 700-04-111
Return fittings :
AN-8 ORB to AN-6 Male Part # : 700-04-104
AN-8 ORB to AN-8 Male Part # : 700-04-105
AN-8 ORB to AN-10 Male Part # : 700-04-106
AN-8 ORB to AN-12 Male Part # : 700-04-107

Which brands and what type of fuel cells can you use the Nuke Performance CFC Unit with?
The Nuke Performance CFC Unit - Competition Fuel Cell Unit, with an integrated fuel surge tank, fits the most common fuel cell/fuel tank manufacturers such as **Fuelsafe**, **ATL** Ltd, **Pyrotect**, **Jaz**, **Premiere** Fuel Systems, and more that utilizes the standardized 6x10" 24-bolt pattern for the fill plate and has an available mounting depth of at least 219mm. The fitment is quick and easy and the CFC Unit is delivered with everything you need to mount it to most fuel cells. For **ATL Saver Cells**, and other fuel cells that are made of a harder material, we also offer the ATL version of the CFC Unit that is delivered when ordered an ATL CFC Unit fuel cell, this unit can be ordered separately if needed

How does the Nuke Performance Competition Fuel Cell Unit work?
The CFC Unit works as a fuel pump hanger with an integrated surge tank for motorsports applications where safety and functionality are of uttermost importance. It is designed to mount directly to an aftermarket fuel cell with a standardized 24-bolt pattern. For more information about the functionality of the CFC Unit, view our Youtube video explaining its functions or visit our FAQ guidé that tells you more about the CFC Unit.

Which fuel cell should you use for the Nuke Performance CFC unit?
The Nuke Performance fuel cell fill plate surge tank unit is delivered as a single unit, to be used with a fuel cell of choice, a self-made aluminum fuel cell, or any 24-bolt pattern fuel tank. A few things to take into consideration is, do you need a fuel cell with a homologation such as FIA, if your main priority is weight, money, or safety. No matter what your answer is, the CFC Unit is the right way to go for all these requests.

How do connect fuel pumps to the electrical connectors and fuel lines?
The CFC Unit from Nuke Performance utilizes over-dimensioned electrical connectors is a fail-proof setup, you will not have to worry about the connectors being overloaded when running on a high ampere. For the lift fuel pump you have two electrical connectors and for the high-pressure fuel pumps you have a total of three connectors, letting you run a dual fuel pump setup in two steps or simultaneous if preferred. The fuel line connects to the included barb fittings, but we recommend adding one of the fuel pump mounting kits for your selected fuel pumps to get all the benefits of easy maintenance, fail-proof functionality, and long-run durability even when running alcoholic fuels such as ethanol.

Low profile fuel filler cap or remote fill neck for 50mm fuel fill hose?
The CFC Unit is delivered with a low-profile filler cap with integrated roll-over protection. But for those who prefer to utilize a

remote fill, we offer a remote filler neck for a 50-52mm fuel fill hose. It fits straight into the CFC Unit and uses the integrated roll-over protection mounted on the underside of the CFC Unit. The remote filler neck is available as an accessory.
Remote filler neck for 50mm fuel hose Part # : 150-05-202

NEW : The Fuel Cell Vent Kit AN-6 fits straight to the vent valve of the CFC Unit for easy installation
The CFC Unit is equipped with a roll-over protected AN-8 (3/4 UNF) to AN-6 Male vent fitting, and the easiest way to route the vent line into a safe and functional position is to accommodate a fuel cell vent kit from Nuke Performance. Available in several sizes, from AN-6 to AN-12, you can choose the kit that suits your needs the best. If you want to use a larger vent line than AN-6, you also need to swap the fitting on the vent valve, view the assortment here. The vent kit is delivered with a 1m (3.3ft) nitrile fuel hose and a universal air filter that prevents debris to get into your fuel system.
Fuel Cell Vent Valve AN-6 Part # : 150-22-206

Choose the right Fuel Level Sender Unit for your aftermarket fuel cell
For most applications, an accurate fuel level sender is required to get an optimal experience. The Nuke Performance CFC Unit fits the most common fuel level senders that utilize the 5-bolt SAE pattern. The CFC Unit is delivered with a low profile and lightweight, block-off plate that easily can be swapped for a fuel level sender of choice. You can get your CFC Unit delivered with an FLS, make sure to select the right length when placing an order. For easy selection, measure the depth of your fuel cell and subtract approx 20mm (0.78") and select the fuel level sender that comes closest to your measurement.

How to fit the CFC Unit to your own custom fuel cell
The CFC Unit is made to fit the standard 24-bolt pattern 6x10". We offer an aluminum flange that makes it possible to bolt the CFC Unit to a custom-manufactured fuel cell that utilizes this standard pattern. You could either weld it to your aluminum cell or copy the pattern to your top sheet and bolt the CFC Unit to it putting the top sheet in between the flange and the CFC Unit. The CFC Unit is delivered with a Viton gasket (safe for all types of fuels) that fits perfectly for custom fuel cell applications.
Aluminum weld flange 24 bolt pattern Part # : 150-05-300

Complete your high flow fuel system with Nuke Performance Full Flow series fuel lines, hose ends, and fittings
Nuke Performance offers a wide variation of both PTFE and nitrile fuel line systems for your every fueling need. The lightweight fuel cell fill plate replacements from Nuke Performance are a perfect match to the Nuke Performance Full Flow-series fuel lines. Available in AN-4 to AN-12 and in a wide variety of available fittings and accessories. And with the handy selection of fuel line tools, it has never been as easy to assemble your fuel system.

Made in Sweden with high demands from worldwide motorsports
Co-developed with worldwide motorsports teams, it has become a common sight in motorsports such as time-attack, drifting, and GT racing. Saving weight is often equally important as chasing horsepower, and several of our customers have been able to perform weight savings of more than 10kg by upgrading to our compact and lightweight solution. The Nuke Performance CFC Unit - Competition Fuel Cell Unit, with an integrated fuel surge tank, is a perfect fit for aftermarket fuel cells and is designed, developed, and manufactured in Sweden with the highest possible quality, with the same hallmark as the other parts in the lightweight Nuke Performance motorsports range.

There is no substitute for the quality of Nuke Performance.

Nuke Performance CFC Unit Specifications
For more information about specifications, view the product manual.

CFC Unit Part #	150-05-201
Minimum mounting depth	219mm (8.62")
Mounting bolt pattern	6x10" 24-bolt pattern
High-pressure fuel pump connector	x 3 (max 125 ampere / each *)
- Connector points	6 mm bolt connectors
Pickup fuel pump connector	x 2 (max 125 ampere / each *)
- Connector points	6 mm bolt connectors
Length	295mm (13.74")
Width	194mm (9.88")
Weight	1934g (68.21oz)
Maximum pickup pipe length	90mm (3.54") / 95mm (3.74")
Fits number of lift fuel pumps	1 x brushed fuel pump
Fits number of high-pressure pumps	1-2 x brushed fuel pump
Fuel compatibility	Gasoline, Methanol, Ethanol, E85
Fits additional venturi lift kit	NO
Internal surge tank volume	Approximately 2.0 liter (0.53 gallons)
Outlet port, thread	AN-10 ORB, view assortment **
Return port, thread	AN-8 ORB, view assortment **
Vent valve, thread	AN-8 (3/4 UNF), view assortment
For motorsports use	YES

* for reference only
** changed specification 2022

Nuke Performance CFC Unit includes:
1 x Nuke Performance CFC Unit - low profile version
2 x 1/4" BSPP to Male barb 8mm hose fittings
1 x 1/4" BSPP plug, when using only one high-pressure fuel pump
2 x 39mm inserts for high-pressure fuel pump bracket
1 x Viton gasket for 24 bolt pattern fuel cells (safe for alcoholic fuels)
1 x Low profile filler cap (remote fill neck available as accessory)
1 x Dual billet fuel pump bracket and adjustable pickup pump mount
1 x AN-8 (3/4 UNF) to AN-6 Male vent safety valve
1 x FLS spacer, used for fuel level senders with a not symmetrical bolt pattern
24 x 1/4-28 UNF x 1 bolts with nylon washers