



PROFLOW
D Y N A M I C S

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PIUSI
®

think genius

DEF SOLUTIONS



EN With over 30,000 DEF pumps installed in Europe and working for the past half decade, PIUSI has been helping all Commercial, Industrial and Governmental facilities reduce the NOx emissions as mandated since 2004.

Presently PIUSI USA, Inc., a division of PIUSI SpA is making its presence in the Continental United States with its DEF Solutions line of products, all tested and used for the market at hand. You may rely and be confident on the quality of our dispensers, pumps, meters and all parts made with pride by PIUSI SpA for the DEF market.

Since 1953 PIUSI SpA has been in the forefront of the lubricant and fuel transfer market, also specializing in pumps, meters, compressors and measurement devices. Our innovative solutions combined with the high performance and long life - cost effective philosophy has maintained PIUSI SpA as one of the top manufacturers in our specific fields.

Please consider our DEF products which are consumer tested and price conscious as your choice on your present DEF dispensing project!

ES Con mas de 30.000 bombas por DEF instaladas en Europa y trabajando desde 5 años, PIUSI está ayudando todos los puntos de ventas, las industrias y el Gobierno a reducir las emisiones de Nox como requerido en la ley "Tier 2 emission standars" del 2004.

Actualmente PIUSI USA Inc., una division de PIUSI SpA, empieza a ser presente en el mercado de los Estados Unidos con su nuevos modelos de productos por DEF, todos probados y producido por el consumidor final. Usted puede confiar en la calidad de nuestros dispensadores, de las bombas, de los medidores y de todas las piezas hechos con orgullo de PIUSI para el mercado de DEF.

Desde 1953 PIUSI SpA ha sido lider en el mercado de trasiego de lubricantes y de gasoleo, produciendo tambien compresores y sistemas de medicion.

Las soluciones inovadoras juntas a nuestra filosofia de productos fiables, durables y eficaz han elegido PIUSI como uno de lo mas importante productor del sector.

¡Considere nuestros productos de DEF, probado y con precios atractivos, la opción por su actual proyecto de dispensación de DEF!

EN EPA Tier 2 Emission standards are met through with the installation of a catalitic device on trucks (SCR). This device requires a special fluid (a mixture of water and urea) called Diesel Exhaust Fluid (DEF). Each truck must be provided with a tank for this special fluid. Concerning with the problems of the handling of Diesel Exhaust Fluid (DEF), PIUSI has developed specific range of reliable products, manufactured with materials that are suitable with this fluid.



ES La nueva norma EPA Tier 2 sobre la reducción de las emisiones de contaminantes de los camiones en la atmósfera es respetada mediante la instalación de un catalizador a bordo del camión (SCR), que requiere la utilización de un líquido especial (una mezcla de agua y urea) denominado Diesel Exhaust Fluid (DEF). Cada camión estará dotado de un depósito adicional para contener este líquido. PIUSI, a partir de un atento análisis de los problemas relacionados con el trasiego de este líquido, ha desarrollado una gama de productos fiables, con materiales compatibles para este empleo.

TOTES - IBC DISPENSERS

EN The dispensing group has been designed to be easily moved from an IBC tank to another.

We have installed a self priming membrane pump, without dynamic seal, in order to reduce the need of maintenance.

The group is provided with an accurated meter to display the quantity dispensed and with an automatic nozzle to make easier the filling operation.

ES El grupo de suministro ha sido para poder ser desmontable facilmente de un deposito IBC y ser desplazado à otro.

Ha sido instalado una bomba à membrana sin estanquidad dinamica para reducir la necesidad de manutención.

El grupo tiene tambien un medidor preciso para controlar la cantidad suministrada y una pistola automatica para simplificar las operaciones de trasiego.

SUZZARABLU PRO Cod. F00201A10

Stainless steel base with nozzle holder.
Heavy duty pump.
Meter K24.
Automatic stainless steel nozzle.
Delivery hose 20 ft.
Suction hose 1,4 ft.
Hose tail and clamps.

Placa de soporte de acero inoxidable. Electrobomba.
Grupo cuentalitros K24.
Pistola automática de acero inoxidable.
Manguera de suministro de 20 ft.
Manguera de succión 1,4 ft.
Casquillo para engaste y abrazaderas.

SUZZARABLU BASIC Cod. F00201A20

Stainless steel base.
Pump.
Manual nozzle.
Delivery hose 20 ft.
Suction hose 1,4 ft.
Hose tail and clamps.

Placa de soporte SIDE de acero inoxidable.
Electrobomba.
Pistola manual.
Manguera de suministro de 20 ft.
Manguera de succión 1,4 ft.
Casquillo para engaste y abrazaderas.

Suction connection selection - Elija la conexión apropiada

1

SEC (SuzzaraBlue Easy Coupling)
HDPE plastic for CDS suction tube

Code **R15452000**

Suction hose
with quick SEC
connector
Code **F15606010**





**SUZZARA
BLUE PRO**

Flow rate 7 ÷ 8 gpm
Accuracy +/- 1%



**SUZZARA
BLUE BASIC**

Flow rate 7 ÷ 8 gpm

Code	Description	Flow rate gpm	AC			Meter	Nozzle	Delivery hose ft	On-Off Switch	Weight lb	Packaging inch
			Volt/Hz	Rpm	Watt						
F00201A10	SUZZARABLU PRO	7 ÷ 8	120/60	1700	370	Yes	Automatic	20	Yes	34	14,2x12,0x11,8
F00201A20	SUZZARABLU BASIC	7 ÷ 8	120/60	1700	370	No	Manual	20	Yes	33	14,2x12,0x11,8
F00201A80	SUZZARABLU 12V PRO	7 ÷ 8	12	2800	-	Yes	Automatic	20	Yes	29	14,2x12,0x11,8
F00201A90	SUZZARABLU 12V BASIC	7 ÷ 8	12	2800	-	No	Manual	20	Yes	28	14,2x12,0x11,8

2

EPV stainless steel coupler

by Micromatic.
3A orange key

Code **F16477000**

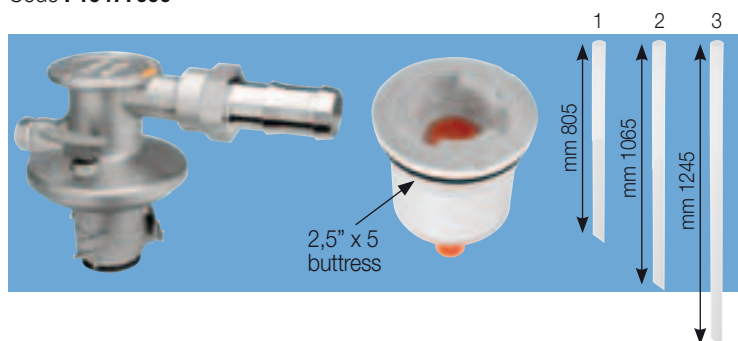
EPV cup

(2,5"x5 buttress)

Code **F16989000**

Down tube HDPE 3/4"

1- for 55 gal DRUM EPV Cod. **F16992000**
2- for 275 gal IBC EPV Cod. **F16991000**
3- for 330 gal IBC EPV Cod. **F16990000**



3

DS-DV SV coupler
by Micromatic

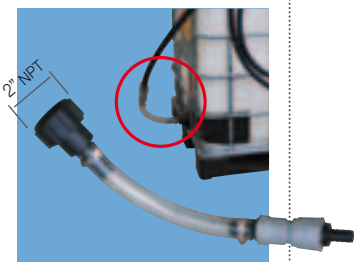
Code **F15360000**



4

Kit bottom connection

Code **F15515020**

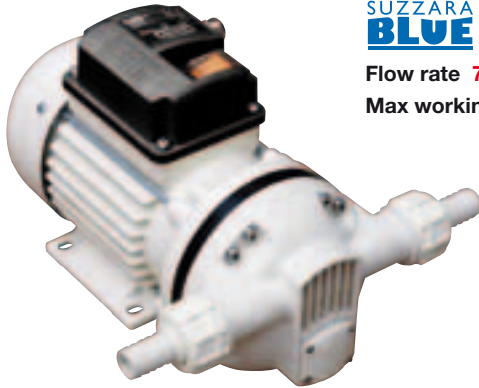


HEAVY DUTY PUMPS



EN The careful analysis of the market and the experience of handling aggressive fluid, such as DEF, leads PIUSI to develop a new type of membrane pump equipped with electric motor without any dynamic seals. This solution allows to obtain a reliable industrial pump together with self priming capabilities.

ES Un minucioso estudio del mercado y la experiencia en manejar líquidos agresivos, tal como DEF, han empujado PIUSI en desarrollar un nuevo tipo de bomba a membrana equipado con motor eléctrico sin estanquidad dinámica. Esta solución permite de obtener una bomba industrial con una mayor fiabilidad y autocebante.



SUZZARA BLUE AC PUMP

Flow rate 7 ÷ 9 gpm
Max working pressure 20 psi

Technical features:
- Voltage 120/60 V
- Hose tail connection 3/4"
- Absence of dynamic seals
- ON/OFF switch
- 6 ft cable with socket

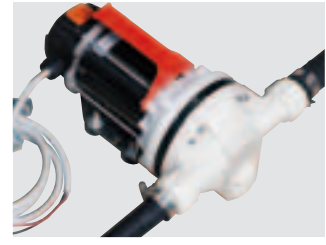
Propiedad:
- 120/60 V voltaje
- Conexión 3/4"
- Sin estanquidad dinámica
- ON/OFF interruptor
- 6 ft de cable con enchufe



SUZZARA BLUE DC PUMP

Flow rate 7 ÷ 9 gpm
Max working pressure 20 psi
Duty cycle 30 min

Technical features:
- Voltage 12 / 24 V
- Hose tail connection 3/4"
- Absence of dynamic seals
- ON/OFF switch
- 6 ft cable with socket
- handle available (on request)



Available also with handle



Propiedad:
- 12 / 24 V voltaje
- Conexión 3/4"
- Sin estanquidad dinámica
- ON/OFF interruptor
- 6 ft de cable con enchufe

Code	Description	Flow rate gpm					Cables	Connections		On-Off Switch	Weight _{lb}	Packaging inch
			Volt/Hz	Rpm	Watt	Amp		IN	OUT			
F00203000	SuzzaraBlue AC pump 120V	7 ÷ 9	120/60	1700	370		Yes		hose tail 3/4"	Yes	11,5	7,6x14x10,6
F00204000	SuzzaraBlue DC pump 12V	7 ÷ 9	12	2800		18	Yes		hose tail 3/4"	Yes	8	7,6x14x10,6
F00204010	SuzzaraBlue DC pump 24V	7 ÷ 9	24	2800		9	Yes		hose tail 3/4"	Yes	8	7,6x14x10,6

HOSE REEL

EN Hose reel for DEF with supply hoses.

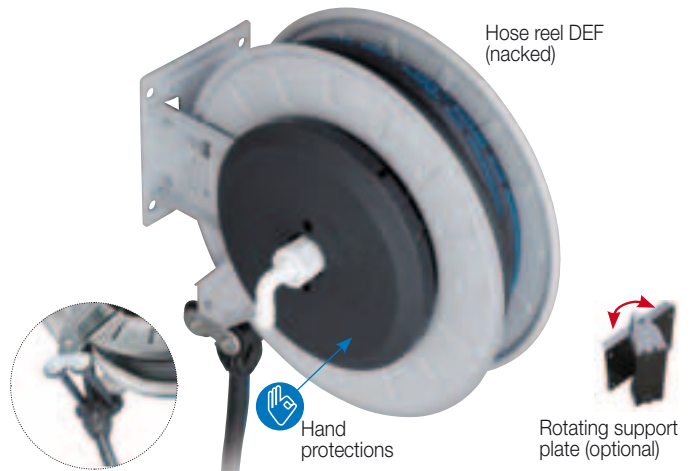
Through careful design, we have been able to limit pressure loss and facilitate use, even for high flow rate, namely DEF refuelling systems.

Features: reduced pressure loss through the proper sizing of the hydraulic system; latch mechanism protective that prevent accidental contact with the hands; adjustable arms for easy positioning as required; rotating wall support facilitates hose reel installation in different positions (optional).

ES Enrollador para manguera de suministro de DEF.

Un cuidadoso diseño ha permitido limitar las pérdidas de carga y facilitar su uso también con bombas de alto caudal, típicas para instalaciones de abastecimiento de DEF.

Características: pérdidas de carga reducidas gracias al dimensionamiento correcto de la instalación hidráulica; puesta en seguridad de los tambores con protecciones laterales que evitan contactos accidentales con las manos; brazos regulables para facilitar la colocación según las necesidades; soporte giratorio (opcional) para la orientación del enrollador.



Hose reel DEF (nacked)

Hand protections

Rotating support plate (optional)

Code	Description	Hose	Hose length ft	Hose	Max operating pressure bar	Inlet with swivel	Outlet hosetail	Pressure loss	Weight _{lb}	Packaging inch
F00750070	Hose reel DEF 26 ft EPDM hose	Yes	26	3/4"	10	3/4"	3/4"	1 psi @ 9 gpm	57	21x10x20

METERS



SUZZARA BLUE K24



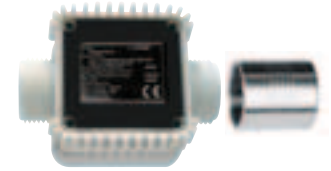
Accuracy +/- 1%
Possibility of calibration.
Flow rate up to 30 gpm

EN Meter easy to install, in line or at the end of the delivery hose, it is provided with a compact easy readable display. It is possible to apply the meter directly on the nozzle. User can quickly substitute the 2 batteries. Display can be rotated in 4 different positions.

Impulse type signals:
single channel, reed switch.
Electronic card with LCD display:
5 digit partial total from 0.1 to 99999, 6 digit total from 1 to 999999.
Resettable total available.
Flow rate indication.

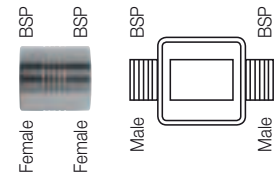
ES Este cuentalitros es de facil instalación, en línea o en el extremo de la manguera de suministro, y está dotado de un display compacto de fácil lectura. El cuentalitros puede aplicarse directamente en la pistola. Dos baterías fáciles de sustituir alimentan el cuentalitro. La pantalla puede ser girada en cualquier posición.

Tipo de señal por impulso: mono-canal, interruptor de láminas.
Tarjeta electrónica con display LCD: Parcial de 5 cifras de 0.1 a 99999, Total de 6 cifras de 1 a 999999.
Total borrable disponible.
Indicación del caudal.



K24 Pulse-meter
Flow rate up to 30 gpm
Accuracy ± 1 %
Pulse out 23 ppg
(max distance 49 ft)

Socket 1" BSP/BSP

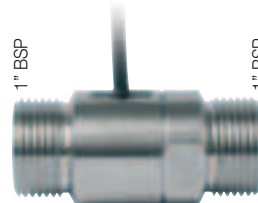


SUZZARA BLUE TURBINOX

Accuracy +/- 1%
Possibility of calibration.
Flow rate up to 10 gpm
Puls OUT 26 p/gpm

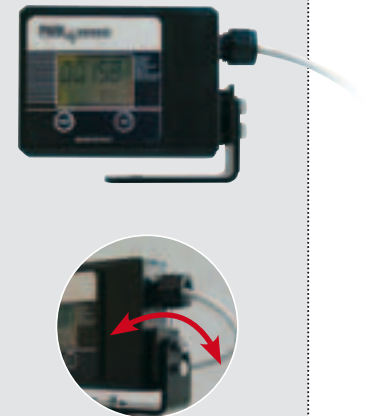
EN This meter is easy to install. A tight stainless steel body provides endurance for use in every conditions. Also available a pulser display to connect an external receiver. User can quickly substitute the 2 display batteries.

ES Este cuentalitros se instala fácilmente. Su robusto cuerpo de acero inoxidable lo hace resistente y apto para ser utilizado prácticamente en cualquier condición. Es disponible también un display emisor de impulsos para conexión a receptor externo. (El display es alimentado por dos baterías de fácil sustitución).



Inline pulse meter

Remote display with Pulse OUT



Code	Description	Flow rate gpm	Pressure psi	Display	Pulse OUT (p/g)		Weight Lb	Packaging Inch
					Pulser version	Display version		
F00407340	K24 Meter (1 socket) GAL	1,3 - 30	300	Yes			1,1	Blister
F0040721B	K24 Pulse-meter (1 socket)	1,3 - 30	300	No	23	23	1,1	Blister
F0042000A	Inline turbine pulse meter	1,6 ÷ 10	420	No	23		1,6	9x4,7x6
F0049503B	Remote display with Pulse OUT			Yes		1 ÷ 100	2,2	9x4,7x6
F16073000	Socket 1" BSP/BSP (20 pcs)						5,3	Box (20 pcs)

SUZZARA BLUE NOZZLE WITH K24

EN The simple solution to directly control your DEF dispensing. The K24 meter is installed inline on the nozzle.

ES Una simple solución que permite de vigilar directamente tu suministro de DEF. El cuentalitros K24 es instalado sobre la pistola.



Automatic nozzle with K24



Manual nozzle with K24

Flow rate up to 11 gpm
Spout ext. Ø 3/4"
Hose tail 3/4 with swivel

Flow rate up to 20 gpm
Spout ext. Ø 3/4"
Hose tail 3/4 with swivel

Code	Description	Flow rate gpm	Pressure psi	Connections		Display	Weight Lb	Packaging Inch
				Inlet	Outlet			
F00870000	Automatic nozzle with K24	2 ÷ 18	50	3/4"	3/4"	Yes	6,6	16x11x4
F00870020	Manual nozzle with K24	2 ÷ 30	50	3/4"	3/4"	Yes	1,6	16x11x4

Adapter K24
for automatic nozzle
M 3/4" BSP - F 1" BSP

Code **F16475000**

Plastic adapter
for K24 manual nozzle

Code **F15776000**

SUZZARA BLUE MC BOX

EN This electronic panel, connected with the pump and the meter of the delivery unit, allows to control and monitorize the Diesel Exhaust Fluid (DEF) flow for private use. MC system consists in a multi-user panel, a specific software and accessories to connect PC.

Optional: PC software. I-button keys for users.

Performances: capacity to manage up to 120 users with password or i-button key. Possibility to calculate the consumption for single period per user. Possibility to memorize the code of the truck and the distance progression.

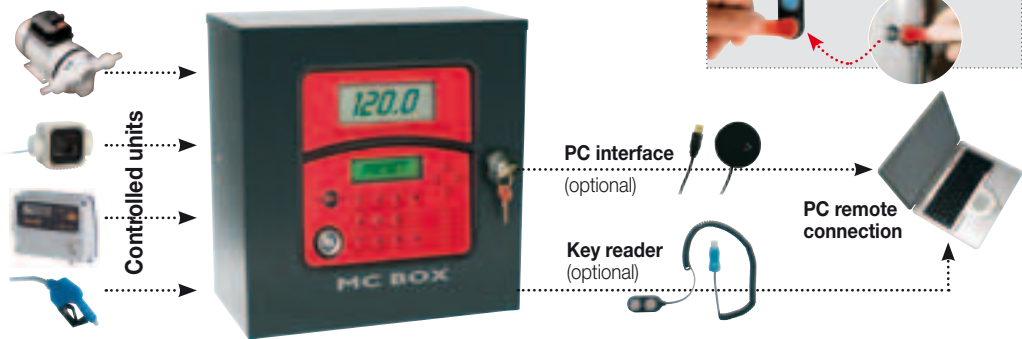
Possibility to manage up to 16 panels with the available software.

ES Este panel electrónico permite de controlar y monitorizar el consumo de DEF para uso privado mediante unidad de distribución con bomba y cuentakilros.

El sistema MC consiste en un panel multiusuario, un programa dedicado y accesorios para la conexión al PC. Accesorios opcionales: programa para PC. Llaves i-button para usuarios.

Prestaciones: capacidad de administrar hasta 120 usuarios mediante contraseña o llave i-button. Posibilidad de calcular el consumo de cada usuario en un determinado periodo. Posibilidad de introducir el código vehículo y el kilometraje. Posibilidad de administrar hasta 16 paneles con un programa.

Users up to 120
PC connection
AC/DC versions
 (DC version on request)



Code	Description	Tension Volt/Hz	Self Service Desk					Weight lb	Packaging inch
			CD rom with software	User key no.	Manager key no.	Key reader for PC	Converter		
F13980070	MC BOX UREA 120 users	120/60	No	-	-	-	-	40	15,7x15,7x18,1
F1271000C	Kit PC with USB converter	-	Yes	-	-	-	USB plug	-	Blister
F14144040	Kit key with USB plug, yellow keys	-	Yes	10	1	USB plug	-	-	Blister
R15904000	Yellow user keys	-	No	10	-	-	-	-	Blister

LEVEL INDICATOR

SUZZARA BLUE OCIO

Accuracy +/- 1%
PC Available
Measuring height up to 12 ft

EN Innovative system for monitoring the fluid level inside atmospheric tanks.

ES Sistema de control continuo de nivel en el depósito.



Code	Description	Voltage	Weight	Packaging
		V/Hz	lb	inch
F00755150	SuzzaraBlue Ocio	120/60	4,8	11,8x16,1x3,9

Manual nozzles with strong resistant structure with 3/4" hose tail.
Pistola Manual. Está dotada de una estructura robusta con boquilla para manguera de suministro.

Spout ext. diam. 3/4"



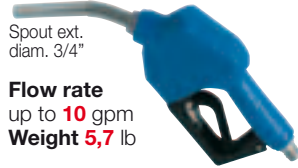
Flow rate
up to **20** gpm
Weight 0,44 lb

Code **F14761000** Hose tail 3/4"

Automatic nozzles are provided with a device that stops the flow when the tank is full and with swivel and 3/4" hose tail.

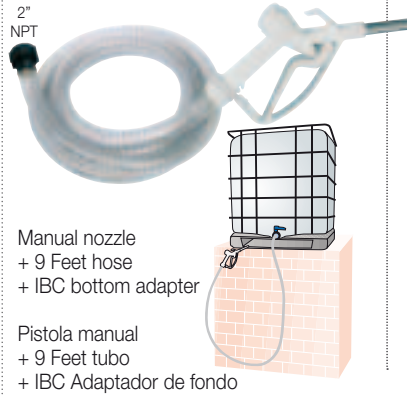
Pistola Automática. Dotada de dispositivo de parada automática del flujo con depósito lleno con boquilla y elementos giratorios para manguera de suministro.

Spout ext. diam. 3/4"



Flow rate
up to **10** gpm
Weight 5,7 lb

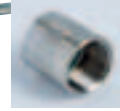
Code **F0061903B** Hose tail 3/4" with swivel
 Code **F0061002B** Without swivel inlet thread 3/4" BSP



Manual nozzle
+ 9 Feet hose
+ IBC bottom adapter

Pistola manual
+ 9 Feet tubo
+ IBC Adaptador de fondo

Sockets Casquillo



Code **F16074000**
NPT/NPT
(pack 20 pcs)



Code **F16458000**
BSP/NPT
(pack 20 pcs)



Code **F16073000**
BSP/BSP
(pack 20 pcs)

Plastic fitting

Hose tail Boquilla



M 1" BSP x 3/4"
Code **F15522000**



90° Ø 3/4" M 1" BSP
Code **F15485000**



90° Ø 3/4" F 1" BSP
Code **F15484000**

Swivel Giratorio



M/F 1" BSP
Code **F15179000**

Socket 90°



1" F BSP
Code **F16433000**

Linear socket



1" F BSP
Code **F16434000**

Hose tail Boquilla Ø 3/4"



1" F BSP
Code **F16435000**

Stainless steel fitting

Swivel inox 3/4" BSP hose 3/4"

Code **F14132000**



Swivel rubber protector

Code **F16497000**



EPDM

Suction hose Manguera de succión

Code **F14124000**
3/4", coil 130 Feet



EPDM

Delivery hose Manguera de suministro

Code **F14125050** Delivery hose 3/4", coil 262 feet



Stainless steel clamp

Code **F13800000**
23-35-12 INOX
(10 pcs)



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