

# SPECIALIST

Hydraulic tanks/reservoirs and accessories



brochure

# TANK



[www.padoan.us/documents/files/Padoan\\_NA\\_brochure.pdf](http://www.padoan.us/documents/files/Padoan_NA_brochure.pdf)

### Standard and customized tanks

In this brochure Padoan presents the “N” tanks, the standard solutions available for our clients. Our R&D dept. is at your disposal to find the best solution to fit your needs with customized products.

Feel free to contact us at [info@padoan.us](mailto:info@padoan.us).

### Go to our online configurator to find the best solution for you



[www.padoan.us/configurator](http://www.padoan.us/configurator)

### Go to the virtual showroom



[www.padoan.us/virtual-showroom](http://www.padoan.us/virtual-showroom)

## our point of view

**Family company since 1937**, we are a prime **manufacturer of hydraulic oil, diesel and combined tanks/reservoirs** for trucks, work trucks, commercial vehicles and machinery.

Our strong focus on R&D, innovation, technology and support to our customers is translated into action by the **Italian headquarters and subsidiary companies** in Switzerland, Germany and Chile: PADOAN GROUP.

We develop our products working side by side with our customers who mainly are **bodybuilders, OEMs and distribution networks** in more than 50 Countries worldwide.

The **Italian design and quality mark out our wide range of tanks that is divided in “N” (the standard and multipurpose line) and “X”, tanks which are designed and customized according to the customer and application needs.**

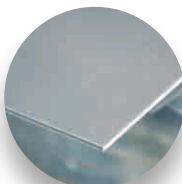
### Do not hesitate to contact us to reach your goals.

Our mission and vision can be expressed by our payoff: **WETANKYOU since 1937.**

We want to be a partner more than a supplier, working by your side and reaching your goals.

That is the reason why every day we ThANK people and companies who trust us as a partner to develop their projects and strategies.

At the same time we ThANK our team of more than 200 people worldwide who, for more than 80 years, provides quality and value we share with you.



### RAW MATERIAL USED IN AUTOMOTIVE FIELD

The material we use guarantees resistance, finishing, longer life expectancy and high-quality perception to create premium products.



### AUTOMATIZED WELDING PROCESS

For several years, our welding process has been carried out by automatized robots, combined with the adoption of MIG/MAG technology.

This allows a better internal cleaning avoiding the contamination normally caused by manual or standard welding.



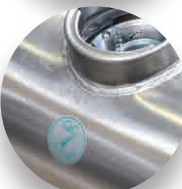
### PAINTING PROCESS WITH PRIMER TREATMENT

The primer painted steel tanks are finished with an epoxy powder varnish (from 110 to 180  $\mu$ ) to guarantee the protection from aggressive agents and primer is also applied for further protection. Our primer painted steel tanks have passed salt spray tests lasting 500 hours.



### RELIABILITY TEST WITH CRACK TESTING MACHINE

All of our tanks components, including brackets and straps, are tested with our cracking vibration machine to verify the life expectancy and quality of our products.



### QUALITY TEST 1:1 WITH LEAK DETECTOR

Every tank is tested through an automatized machinery to verify any microscopic loss using helium technology. Every tank is marked with a label to indicate it has been tested and approved.

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Pictures and descriptions provided for our products are not to scale and are intended for illustrative purposes only.

Padoan is not responsible for any mistake or inaccuracy.

The Company reserves the right to change the technical features of the products without prior notice.



#### MULTIFITTINGS SIDE INSTALLATION KIT

Our brackets are designed with a multipurpose fixing holes solution that grants a wide range of mounting combination on different chassis.



#### STAINLESS STEEL STRAPS AND CRADLE MOUNTING KIT

The correct positioning of the tanks is fundamental to guarantee a lasting application. This is the reason why we only use stainless steel straps which are resistant to the weather conditions and to rusting, and cradle mounting kits which fasten the tank by reining it in and avoid damages due to vibrations.



#### EPDM PROTECTION

The particular design allows to protect hands and materials from the cutting edge. The EPDM is installed on straps and brackets. This specific material, compared to PVC, maintains its features in a wider range of temperature (-45°, +150°).



#### INTERNAL CLEANING

On request, an innovative work station is available for the internal flushing of our aluminium and stainless steel tanks. This process is optional and represents an opportunity for companies who certify their equipment as, after this process, a declaration of conformity to the ISO16232 cleaning standards is issued by Padoan.



#### EXTERNAL CLEANING

We take care of the finishing of each tank. To emphasize the quality of processes and materials a manual cleaning is carried out by our team.



#### PRODUCT IDENTIFICATION WITH DISTINCTIVE LABEL

Each tank is identified through a serial number. This individual "identity card" allows the traceability through the whole production chain and simplifies the communication between the customer and the supplier, for any needs.



#### INSTRUCTIONS FOR ANY INSTALLATION KIT

All tanks and kits are supplied with instructions, to give the installers all the necessary key-points to save time and ease the assembly process. Instruction are available in four languages.



#### PROTECTIVE SHELLS AND HIGH RESISTANCE CARDBOARD

No additional costs for the high-quality protection guaranteed by shells tailored for each type of sidewall sizing and by the high resistance cardboard.



#### PROMPT DELIVERY

Quality and efficiency are part of our vision, managed also with a wide range of tanks and accessories to ensure a prompt delivery to our clients. Delivery terms are agreed with customer requirements.



## hydraulic tanks/reservoirs



Sealed metal cap is removable for optional filter installation



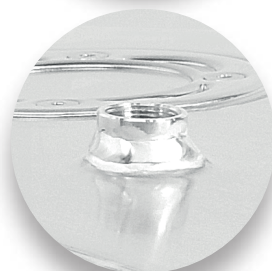
Metal air breather cap



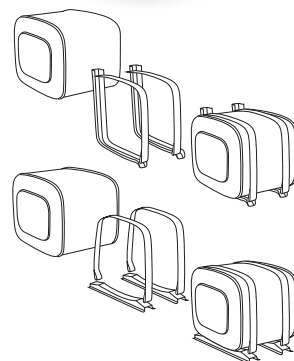
Sight temperature gauge



NPT drainage and oil suction connections



NPT breather vent/cap connection



Dual mounting kit  
The same tank with  
saddlemount or upright  
installation just by  
changing the mounting kit



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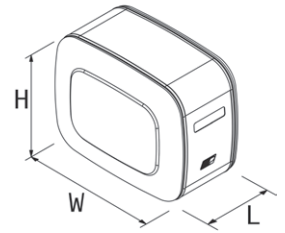


## 26/36

This oil tank is equipped with sight temperature gauge

**Mounting kit:** available for saddlemount and inside chassis installation. Steel version includes welded mounting kit.

[https://www.padoan.us/documents/files/Padoan\\_NA\\_OIL\\_26-36.pdf](https://www.padoan.us/documents/files/Padoan_NA_OIL_26-36.pdf)



Aluminium



Primer painted steel  
RAL 7021

### 26/36 (sidewalls 10,2" h x 14,2" w)

Products range	Filter Flange	Level Indicator L = Sight temperature gauge	Returns	Mounting kit	Suction Connection	GAL*	Dimensions [in] L x H x W	Material	Product code NSOA = Aluminium NSOF = Primer painted steel
Multi Function (MF)	● 135	● L	●	Saddlemount / inside chassis	1" 1/4 NPT	11	18,3x10,2x14,2	A	- 0040046US00
						13	22,3x10,2x14,2	A	- 0050056US00
Multi Function (MF)	● 135	● L	●	Saddlemount / inside chassis Welded mounting kit included	1" 1/4 NPT	8	14,4x10,2x14,2	F	- 0030036US00
						11	18,3x10,2x14,2	F	- 0040046US00
						13	22,3x10,2x14,2	F	- 0050056US00

\* Full tank capacity ● included ○ predisposed (not incl) ● not included in the standard tanks

Product images are for illustrative purposes only and might be different according to the actual product, accessories and mounting kit version



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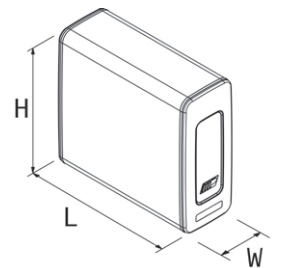


## 36/26

This oil tank is equipped with sight temperature gauge

**Welded mounting kit:** upright installation only (included).

[https://www.padoan.us/documents/files/Padoan\\_NA\\_OIL\\_36-26.pdf](https://www.padoan.us/documents/files/Padoan_NA_OIL_36-26.pdf)



Primer painted steel  
RAL 7021

### 36/26 (sidewalls 14,2" h x 10,2" w)

Products range	Filter Flange	Level Indicator L = Sight temperature gauge	Returns	Mounting kit	Suction Connection	Gal*	Dimension [in] L x H x W	Material	Product Code NSOF = Primer painted steel
Multi Function (MF)	● 135	● L	●	Upright	1" 1/4 NPT	8	14,4x14,2x10,2	F	- 0030036US01
						11	18,3x14,2x10,2	F	- 0040046US01
						13	22,3x14,2x10,2	F	- 0050056US01

\* Full tank capacity ● included ○ predisposed (not incl) ● not included in the standard tanks

## oil tanks



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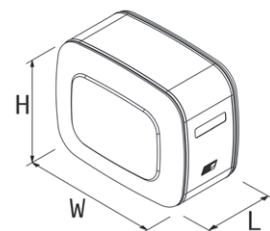


## 44/54

This oil tank is equipped with sight temperature gauge

**Mounting kit:** available for saddlemount and upright installation.

[https://www.padoan.us/documents/files/Padoan\\_NA\\_OIL\\_44-54.pdf](https://www.padoan.us/documents/files/Padoan_NA_OIL_44-54.pdf)



Aluminium



Primer painted  
steel  
RAL 7021



Stainless  
Steel

## 44/54 (sidewalls 17,6" h x 21,5" w)

Products range	Filter Flange	Level Indicator L = Sight temperature gauge	Returns	Mounting kit	Suction Connection	GAL*	Dimensions [in] L x H x W	Material	Product Code NSOA = Aluminium NSOF = Primer painted steel NSOI = Stainless steel
Multi Function (MF)	● 135	● L	● 1" 1/4 NPT	Saddlemount/ Upright	1" 1/2 NPT	18	13,8x17,6x21,5	A/F/I	- 0070035US00

\* Full tank capacity    ● included    ○ predisposed (not incl)    ● not included in the standard tanks



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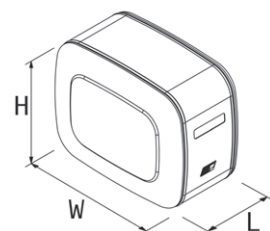


## 50/64

This oil tank is equipped with sight temperature gauge

**Mounting kit:** available for saddlemount and upright installation.

[https://www.padoan.us/documents/files/Padoan\\_NA\\_OIL\\_50-64.pdf](https://www.padoan.us/documents/files/Padoan_NA_OIL_50-64.pdf)



Aluminium



Primer painted  
steel  
RAL 7021



Stainless  
Steel

## 50/64 (sidewalls 20" h x 25,1" w)

Products range	Filter Flange	Level Indicator L = Sight temperature gauge	Returns	Mounting kit	Suction Connection	GAL*	Dimensions [in] L x H x W	Material	Product Code NSOA = Aluminium NSOF = Primer painted steel NSOI = Stainless steel
Multi Function (MF)	● 135	● L	● 1" 1/4 NPT	Saddlemount/ Upright	1" 1/2 NPT	28	15,7x20x25,1	A/F/I	- 0100040US00
						32	17,7x20x25,1	A/F/I	- 0120045US00
						40	21,6x20x25,1	A/F/I	- 0150055US00

\* Full tank capacity    ● included    ○ predisposed (not incl)    ● not included in the standard tanks



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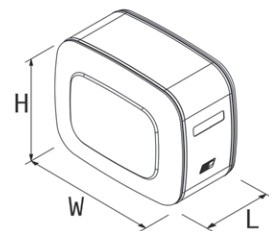


## 63/70

This oil tank is equipped with sight temperature gauge

**Mounting kit:** available for saddlemount and upright installation.

[https://www.padoan.us/documents/files/Padoan\\_NA\\_OIL\\_63-70.pdf](https://www.padoan.us/documents/files/Padoan_NA_OIL_63-70.pdf)



Aluminium



Primer painted steel  
RAL 7021



Stainless Steel

### 63/70 (sidewalls 25,1" h x 27,9" w)

Products range	Filter Flange	Level Indicator L = Sight temperature gauge	Returns	Mounting kit	Suction Connection	GAL*	Dimensions [in] L x H x W	Material	Product Code NSOA = Aluminium NSOF = Primer painted steel NSOI = Stainless steel
Multi Function (MF)	● 135	● L	● 1" 1/4 NPT	Saddlemount	1" 1/2 NPT	35	13,7x25,1x27,9	A/F	- 0135035US00
	● 195			Saddlemount/ Upright	2" NPT	51	19,7x25,1x27,9	A/F/I	- 0200050US00
			66			23,6x25,1x27,9	A/I	- 0250060US00	
			80			28,9x25,1x27,9	A/I	- 0300073US00	
	● 2"		106			39,4x25,1x27,9	A/F/I	- 0400100US00	

\* Full tank capacity ● included ○ predisposed (not incl) ● not included in the standard tanks



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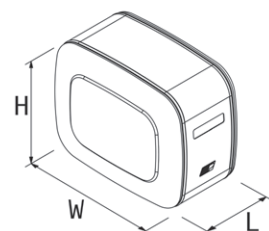


## 63/70 - 3SE

This oil tank is equipped with three spy eyes

**Mounting kit:** saddlemount installation only

[https://www.padoan.us/documents/files/Padoan\\_NA\\_OIL\\_63-70\\_3SE.pdf](https://www.padoan.us/documents/files/Padoan_NA_OIL_63-70_3SE.pdf)



Aluminium

### 63/70 3SE (sidewalls 25,1" h x 27,9" w)

Products range	Filter Flange	Level Indicator E = 3 spy eyes	Returns	Mounting kit	Suction Connection	GAL*	Dimensions [in] L x H x W	Material	Product Code NSOA = Aluminium
Monobacket 3SE	● 135	● E	● 1" NPT	Saddlemount	1" 1/2 NPT	31	11,8x25,1x27,9	A	- 0120030US00

\* Full tank capacity ● included ○ predisposed (not incl) ● not included in the standard tanks

## oil tanks



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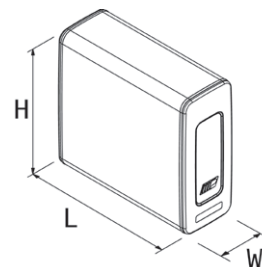


## 63/27

This oil tank is equipped with sight temperature gauge

**Mounting kit:** upright installation only.

[https://www.padoan.us/documents/files/Padoan\\_NA\\_OIL\\_63-27.pdf](https://www.padoan.us/documents/files/Padoan_NA_OIL_63-27.pdf)



Aluminium



Primer painted  
steel  
RAL 7021

## 63/27 (sidewalls 25,1" h x 10,7" w)

Products range	Filter Flange	Level Indicator L = Sight temperature gauge	Returns	Mounting kit	Suction Connection	GAL*	Dimensions [in] L x H x W	Material	Product Code NSOA = Aluminium NSOF = Primer painted steel
Multi Function (MF)	● 2 x 135	● L	●	Upright	2" NPT	53	49,7x25,1x10,7	A/F	- 0200126US00
	● 195					66	61,5x25,1x10,7	A	- 0250156US00

\* Full tank capacity    ● included ○ predisposed (not incl)    ● not included in the standard tanks



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## 64/50

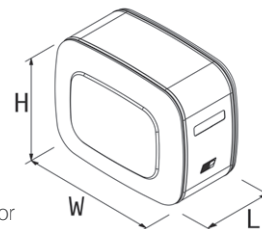
This oil tank is equipped with sight temperature gauge.

Included a 3" to 2" oil suction connection adaptor

**Mounting kit:** shock absorber mounting kit with springs.

Upright installation only

[https://www.padoan.us/documents/files/Padoan\\_NA\\_OIL\\_64-50.pdf](https://www.padoan.us/documents/files/Padoan_NA_OIL_64-50.pdf)



Aluminium



Primer painted  
steel  
RAL 7021

## 64/50 (sidewalls 25,1" h x 20" w)

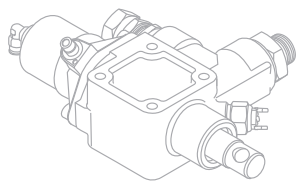
Products range	Filter Flange	Level Indicator L = Sight temperature gauge	Returns	Mounting kit	Suction Connection	GAL*	Dimensions [in] L x H x W	Material	Product Code NSOA = Aluminium NSOF = Primer painted steel
Multi Function (MF)	● 135	● L	●	Upright	3" NPT	75	39,4x25,1x20	A/F	- 0285100US00
	● 2 x 135				(2" NPT**)	100	51,2x25,1x20	A/F	- 0375130US00

\* Full tank capacity    ● included ○ predisposed (not incl)    ● not included in the standard tanks

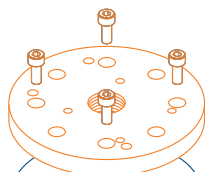
\*\* NPT adaptor for suction connection, from 3" to 2", included in the tanks



EASY KIT



Valve plate  
will be designed  
according to the  
tipping valve hole  
combination



Wide range of tipping valves  
(not included) compatible with  
Padoan Easy Kit

Screws for plate

\* Aluminium tipping valve  
mounting plate with multiple  
hole combinations for different tipping valves

Foam rubber gasket

Spiral spring

Filter element

Filter bowl with o-ring seal

Easy kit is compatible  
with Padoan multi function (MF)  
filter flange only

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\* Immersed Return Filters for Easy Kit



Filter Flange	Flow rate l/min	Filtration mesh µm	Product Code	Spare Parts Cartridge
135	125 (33 gpm)	21 µm microfibre	AFO0IMM090340F2	AFO0ELF205070F2

\* Customized valve plates are available on request according to your tipping valve hole combination

# accessories




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## Air breather caps - oil tank

	Description	Specifics	Product Code	Spare Parts Cartridge
	Plastic air breather cap with air filter, fixing screws and anti-splash	H 41 mm - air cartridge paper 10 µm	ATP0PLSCAR0LI20	AFA0CARCILT0P20
		air cartridge polyurethane 10 µm	ATP0CAR0LILCHFL	/
		air cartridge paper 10 µm	AFA0CARATT07500	/


## Immersed Easy Filter

	Filter Flange	Flow rate l/min	Filtration mesh µm	Inlet connection	Product code	Spare part Cartridge
	135	100 (26 gpm)	10 µm microfibres	1" (NPT adaptor)	AFO0IMM134103F1	AFO0ELF142070F1
		125 (33 gpm)	21 µm microfibres	1" (NPT adaptor)	AFO0IMM134103F2	AFO0ELF142070F2
		150 (40 gpm)	60 µm microfibres	1" (NPT adaptor)	AFO0IMM134103ST	AFO0ELF142070RM



### Semi-immersed Return filter

	Filter Flange	Flow rate l/min	Filtration mesh $\mu\text{m}$	Inlet connection	Product code	Spare part Cartridge
	135	125 (33 gpm) 150 (40 gpm)	21 $\mu\text{m}$ microfibre 60 $\mu\text{m}$ microfibre	1" NPT 1" NPT	AFO0SEM135101F2 AFO0SEM135101ST	AFO0ELF13007025 AFO0ELF128070BF


### Immersed Easy Filter (26/36 and 36/26 excluded)

	Filter Flange	Flow rate l/min	Filtration mesh $\mu\text{m}$	Inlet connection	Product code	Spare part Cartridge
	135	150 (39 gpm) 180 (48 gpm) 220 (58 gpm)	10 $\mu\text{m}$ microfibre 21 $\mu\text{m}$ microfibre 60 $\mu\text{m}$ microfibre	1" (NPT adaptor) 1" (NPT adaptor) 1" (NPT adaptor)	AFO0IMM134102F1 AFO0IMM134102F2 AFO0IMM134102ST	AFO0ELF2055070F1 AFO0ELF205070F2 AFO0ELF205070RM


### Semi-immersed Return filter (26/36 and 36/26 excluded)

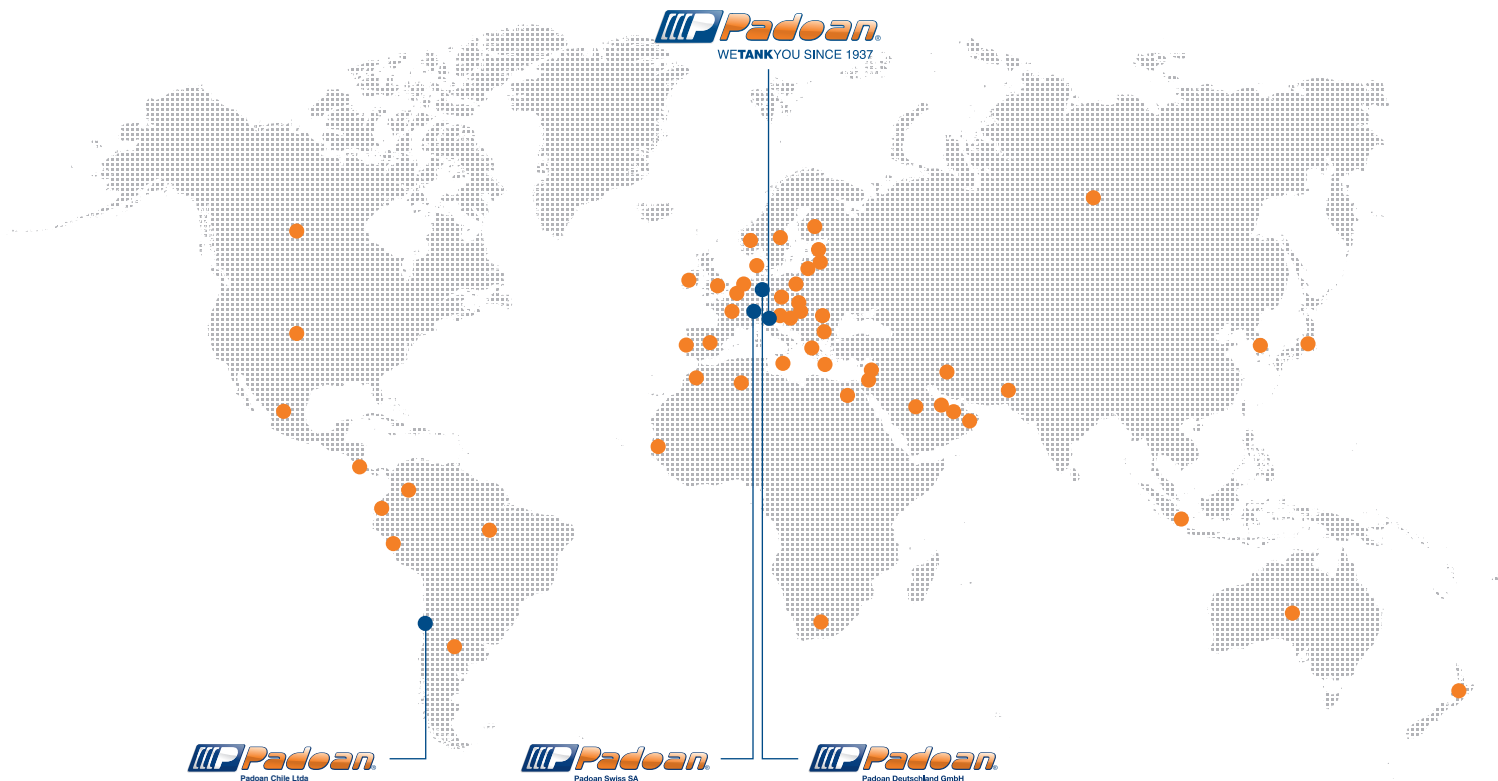
	Filter Flange	Flow rate l/min	Filtration mesh $\mu\text{m}$	Inlet connection	Product code	Spare part Cartridge
	135	150 (39 gpm) 200 (53 gpm) 250 (66 gpm)	10 $\mu\text{m}$ microfibre 21 $\mu\text{m}$ microfibre 60 $\mu\text{m}$ microfibre	1" 1/4 NPT 1" 1/4 NPT 1" 1/4 NPT	AFO0SEM137125F1 AFO0SEM137125F2 AFO0SEM137125RM	AFO0ELF205070F1 AFO0ELF205070F2 AFO0ELF205070RM
	Filter Flange	Flow rate l/min	Filtration mesh $\mu\text{m}$	Inlet connection	Product code	Spare part Cartridge
	195	200 (53 gpm) 250 (66 gpm) 300 (79 gpm)	10 $\mu\text{m}$ microfibre 21 $\mu\text{m}$ microfibre 60 $\mu\text{m}$ microfibre	1" 1/4 NPT 1" 1/4 NPT 1" 1/4 NPT	AFO0SEM196125F1 AFO0SEM196125F2 AFO0SEM196125CL	AFO0ELF211099F1 AFO0ELF211099F2 AFO0ELF210100RM

### Aluminum cover for 135 flange only with 1" NPT non-filtered return

	Products Range	Description	Specifics	Product Code	Spare Parts
	Oil tanks	Non-filtered return	1" NPT return connection and pipe	ACFA1604FN10027	/

### Filter's clogging visual indicator

	Products Range	Description	Specifics	Product Code	Spare Parts
	Oil tanks	Clogging visual indicator	R 1/8" - EN 10226	AIIO0MPF195VSR42	/



01/23

in the world



Padoan Srl  
Via Risorgive, 20  
31048 Olmi di S. Biagio di Callalta (TV) - Italy  
info@padoan.us - www.padoan.us



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