

## Hydraulic tanks/reservoirs and accessories



brochure



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### 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.it](mailto:info@padoan.it).

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



<https://www.padoan.us/configurator>

**Family company since 1937**, we are a **manufacturer of oil, diesel-oil and combined tanks/reservoirs** for industrial vehicles and machineries.

Our strong focus on R&D, technology and support to our clients is translated into action by the **Italian headquarter and subsidiary companies** in Switzerland, Germany and Chile.

Our know-how allows us to provide the right **solution to bodybuilders, OEMs and distribution networks**.

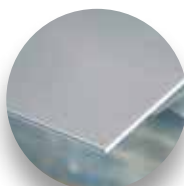
The **Italian design and quality mark out our wide range of hydraulic tanks/reservoirs specifically designed for North America**.

Quality, innovation and R&D are keystones to our success in more than 50 countries worldwide.

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

We want to be a partner more than a supplier, working by our clients' side and reaching their goals, that is the reason why every day we ThANK our clients 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, have provided the 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 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 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.



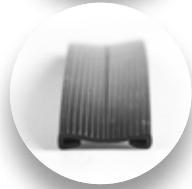
#### **MULTIFITTINGS SIDE INSTALLATION KIT**

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, and the particular wavy design, allows the water drainage. This specific material, compared to PVC, maintains its features in a wider range of temperature (-45°, +150°).



#### **INTERNAL CLEANING**

Upon request, a specific and innovative working station is available for the internal flushing of our aluminium and stainless steel tanks. This process is optional, and represents a further step towards the optimization of the cleaning process. Padoan adopts ISO 16232 as reference to analyze the cleanliness of its flushed tanks.



#### **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 air filter connection**



**Versatile mounting kit (saddlemount or upright)**





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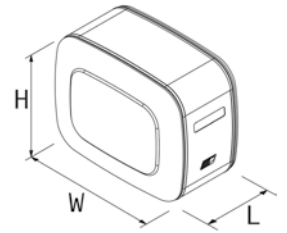


#### 26/36

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



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	Valve Plate	Mounting kit	Suction Connection	GAL*	Dimensions [in] L x H x W	Material	Product code NSOA = Aluminium NSOF = 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



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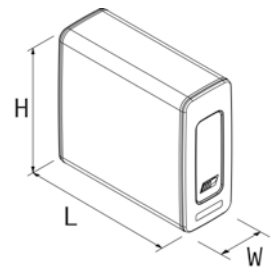


#### 36/26

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)



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	Valve Plate	Mounting kit	Suction Connection	Gal*	Dimension [in] L x H x W	Material	Product Code NSOF = 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



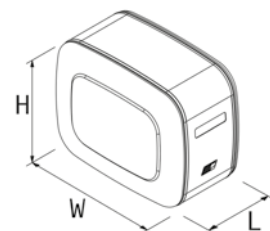
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**44/54**

This oil tank is equipped with sight temperature gauge

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

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Aluminium

Painted Steel  
RAL 7021Stainless  
Steel**44/54 (sidewalls 17,6" h x 21,5" w)**

Products range	Filter Flange	Level Indicator L = Sight temperature gauge	Returns	Valve Plate	Mounting kit	Suction Connection	GAL*	Dimensions [in] L x H x W	Material	Product Code NSOA = Aluminium NSOF = 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



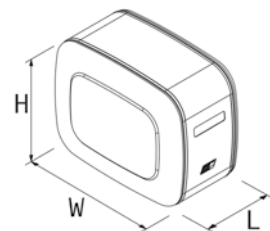
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**50/64**

This oil tank is equipped with sight temperature gauge

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

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Aluminium

Painted Steel  
RAL 7021Stainless  
Steel**50/64 (sidewalls 20" h x 25,1" w)**

Products range	Filter Flange	Level Indicator L = Sight temperature gauge	Returns	Valve Plate	Mounting kit	Suction Connection	GAL*	Dimensions [in] L x H x W	Material	Product Code NSOA = Aluminium NSOF = 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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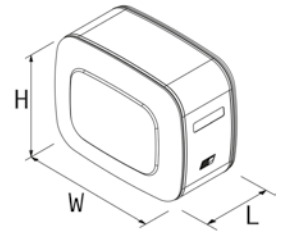


#### 63/70

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



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	Valve Plate	Mounting kit	Suction Connection	GAL*	Dimensions [in] L x H x W	Material	Product Code NSOA = Aluminium NSOF = 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	
	● 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		
	● 195		● 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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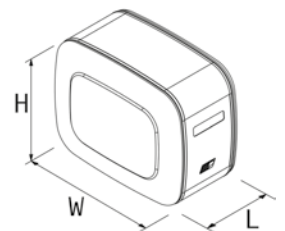


#### 63/70 - 3SE

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	Valve Plate	Mounting kit	Suction Connection	GAL*	Dimensions [in] L x H x W	Material	Product Code NSOA = Aluminium
Monobrace 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



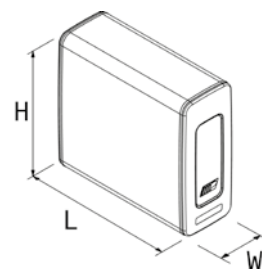
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**63/27**

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

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	Valve Plate	Mounting kit	Suction Connection	GAL*	Dimensions [in] L x H x W	Material	Product Code NSOA = Aluminium NSOF = 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

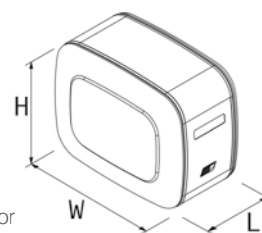
\* Full tank capacity ● included ○ predisposed (not incl) ● not included in the standard tanks



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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

Painted Steel  
RAL 7021**64/50 (sidewalls 25,1" h x 20" w)**

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

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

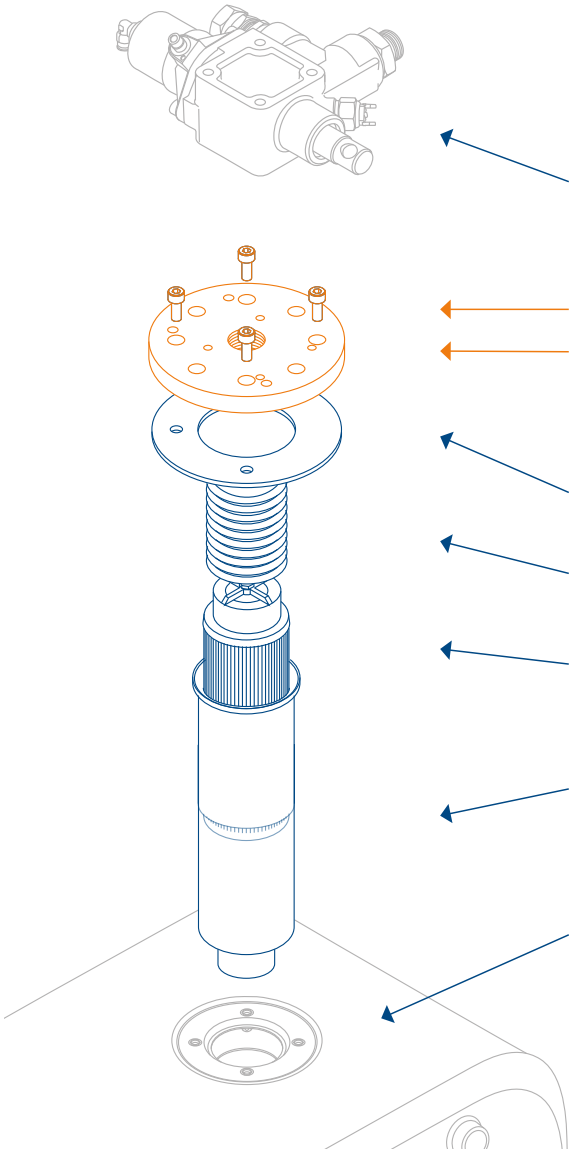
\*\* NPT adaptor for suction connection, from 3" to 2", included in the tanks



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	Inlet Connection	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	ATPOPLSCAROLI20	AFA0CARCILT0P20
	Metal air Breather cap with air filter and fixing screws	air cartridge polyurethane 10 µm	ATPOCAR0LILCHFL	/
	Breath Vent 3/4" NPT	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) 125 (33 gpm) 150 (40 gpm)	10 µm microfibre 21 µm microfibre 60 µm microfibre	1" (NPT adaptor) 1" (NPT adaptor) 1" (NPT adaptor)	AFO0IMM134103F1 AFO0IMM134103F2 AFO0IMM134103ST	AFO0ELF142070F1 AFO0ELF142070F2 AFO0ELF142070RM



### Semi-immersed Return filter

	Filter Flange	Flow rate l/min	Filtration mesh µm	Inlet connection	Product code	Spare part-Cardrige
	135	125 (33 gpm)	21 µm microfibre	1" NPT	AFO0SEM135101F2	AF00ELF13007025
		150 (40 gpm)	60 µm microfibre	1" NPT	AFO0SEM135101ST	AF00ELF128070BF


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

	Filter Flange	Flow rate l/min	Filtration mesh µm	Inlet connection	Product code	Spare part-Cardrige
	135	150 (39 gpm)	10 µm microfibre	1" (NPT adaptor)	AFO0IMM134102F1	AF00ELF205070F1
		180 (48 gpm)	21 µm microfibre	1" (NPT adaptor)	AFO0IMM134102F2	AF00ELF205070F2
		220 (58 gpm)	60 µm microfibre	1" (NPT adaptor)	AFO0IMM134102ST	AF00ELF205070RM


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

	Filter Flange	Flow rate l/min	Filtration mesh µm	Inlet connection	Product code	Spare part-Cardrige
	135	150 (39 gpm)	10 µm microfibre	1" 1/4 NPT	AFO0SEM137125F1	AF00ELF205070F1
		200 (53 gpm)	21 µm microfibre	1" 1/4 NPT	AFO0SEM137125F2	AF00ELF205070F2
		250 (66 gpm)	60 µm microfibre	1" 1/4 NPT	AFO0SEM137125RM	AF00ELF205070RM
	195	200 (53 gpm)	10 µm microfibre	1" 1/4 NPT	AFO0SEM196125F1	AF00ELF211099F1
		250 (66 gpm)	21 µm microfibre	1" 1/4 NPT	AFO0SEM196125F2	AF00ELF211099F2
		300 (79 gpm)	60 µm microfibre	1" 1/4 NPT	AFO0SEM196125CL	AF00ELF210100RM

### 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	ALI0MPF195VSR42	/

in the world

