



# NORTH AMERICA HYDRAULIC TANKS/RÉSERVOIRS & ACCESSORIES CATALOGUE



**SADDLEMOUNT OIL TANKS**

- 02 range (from 8 to 13 gal) ..... pag. 3

**UPRIGHT INSTALLATION ONLY**

- 02 range (from 8 to 13 gal) ..... pag. 4

**MULTIFITTINGS OIL TANKS series JOLLY**

- BC range (from 18 to 22 gal) ..... pag. 5
- BP range (from 28 to 40 gal) ..... pag. 7

**MULTIFITTINGS OIL TANKS series DIAMOND**

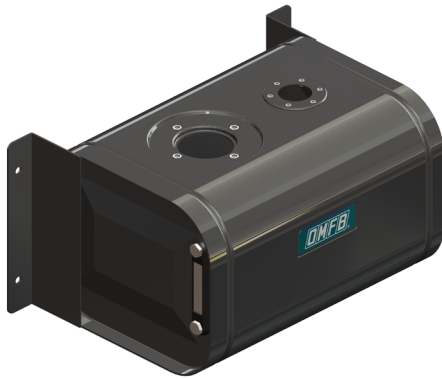
- BR range (from 35 to 106 gal) ..... pag. 9

**UPRIGHT INSTALLATION ONLY series VERTICAL**

- BS range (53 gal) ..... pag. 11
- BS range (66 gal) ..... pag. 12
- B7 range (75 gal) ..... pag. 13
- BP range (100 gal) ..... pag. 14

**ACCESSORIES ..... pag. 15**





**Material:** Steel tank with deep-drawn side walls

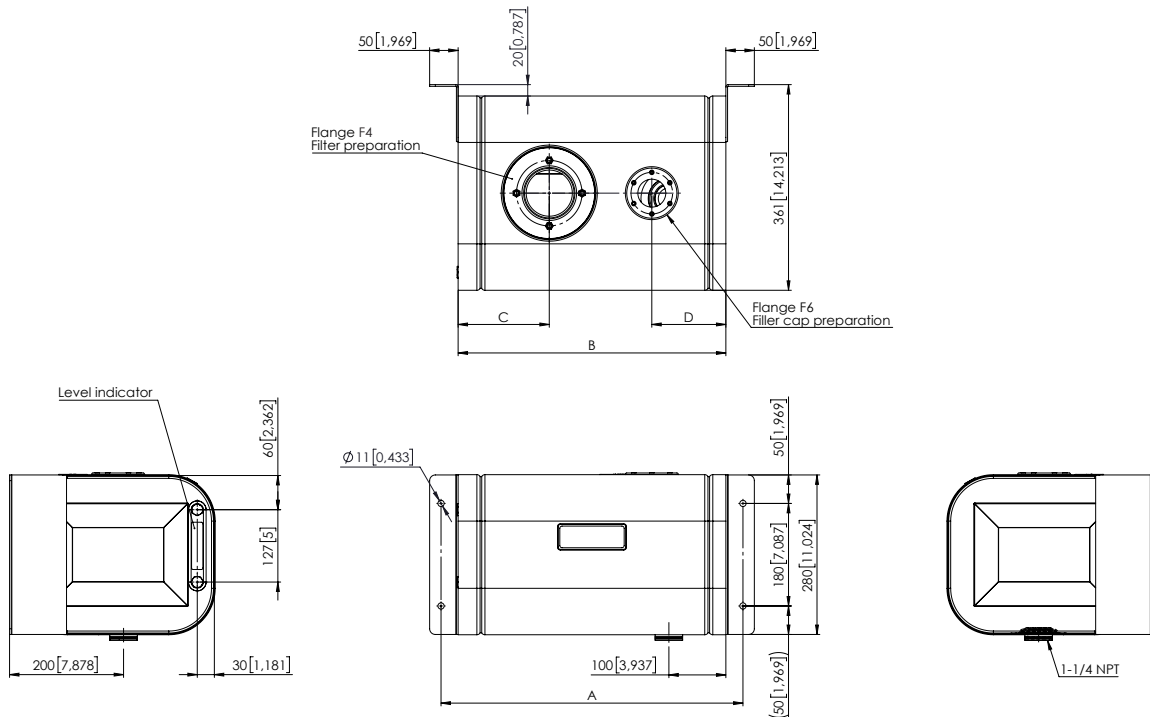
**Coating:** double powder coating  
(primer + final layer RAL 7021)

**Equipped with:** welded supports  
return filter flange  
oil level

Filler cap to be ordered separately, choosing between plastic or metallic version.

Filling capacity		Tank code	Weight	
lt	gal		kg	lb
30	<b>8</b>	<b>HUGL0203560</b>	9,3	20,5
40	<b>11</b>	<b>HUGL0204760</b>	10,9	24
50	<b>13</b>	<b>HUGL0205860</b>	12,3	27,2

**Tank dimensions**



Dimensions in: mm [inch]

		<b>A</b>		<b>B</b>		<b>C</b>		<b>D</b>		Oil level min. capacity		Oil level max. capacity	
lt	gal	mm	inch	mm	inch	mm	inch	mm	inch	lt	gal	lt	gal
30	<b>8</b>	410	16,14	350	13,78	115	4,52	85	3,34	11	2,9	19,7	5,2
40	<b>11</b>	530	20,86	470	18,50	160	6,29	130	5,11	15,1	4	27,3	7,2
50	<b>13</b>	640	25,19	580	22,83	160	6,29	130	5,11	18,9	5	34	9



**Link:**  
[Accessories](#)  
[Mounting instructions](#)



**Material:** Steel tank with deep-drawn side walls

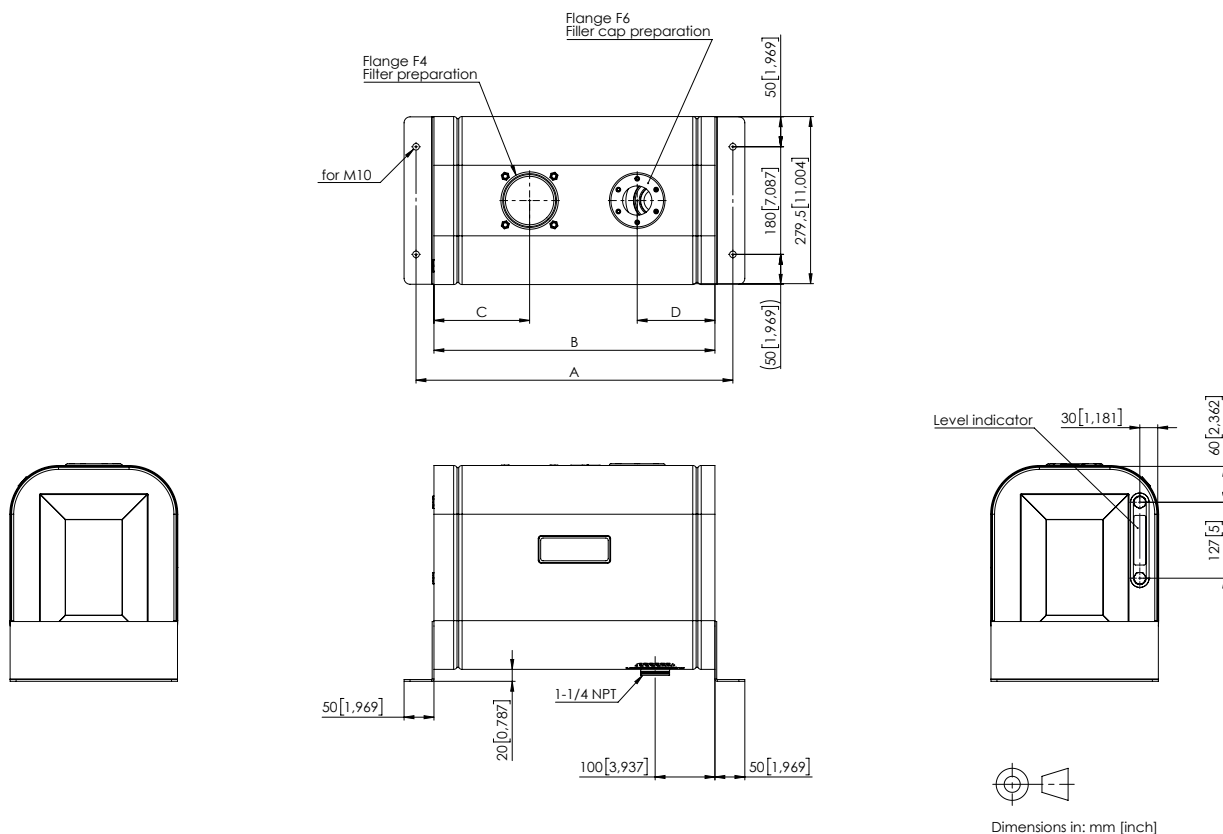
**Coating:** double powder coating  
(primer + final layer RAL 7021)

**Equipped with:** welded supports  
return filter flange  
oil level

Filling capacity		Tank code	Weight	
lt	gal		kg	lb
30	<b>8</b>	<b>VUGR0203560</b>	9,3	20,5
40	<b>11</b>	<b>VUGR0204760</b>	10,9	24
50	<b>13</b>	<b>VUGR0205860</b>	12,3	27,2

Filler cap to be ordered separately, choosing between plastic or metallic version.

**Tank dimensions**



		A		B		C		D		Oil level min. capacity		Oil level max. capacity	
lt	gal	mm	inch	mm	inch	mm	inch	mm	inch	lt	gal	lt	gal
30	<b>8</b>	410	16,14	350	13,78	100	4,52	100	3,34	14	3,7	21,2	5,6
40	<b>11</b>	530	20,86	470	18,50	160	6,29	130	5,11	19,3	5,1	29,1	7,7
50	<b>13</b>	640	25,19	580	22,83					24,2	6,4	36,7	9,7

The oil tanks of this range can satisfy side or rear of cabin mounting requirements with one product only, thanks to dedicated mounting kits that help to reduce stock. Both mounting kits enjoy of sturdy brackets provided of universal hole pattern that allows greater versatility ensuring quick and safe mounting on every kind of chassis. All these tanks are built by using of high quality raw materials and adopting the latest technologies in terms of robot welding and assembling. It results a modern and nice looking appearance combined with reliability and strength for every applications.

**The blank flange is provided included in the standard equipment.**



Complete tank for saddlemount installation



\* Tank (see table)



Saddlemount kit  
**135903BCLX0**  
weigh 16 kg / 35,2 lb



Complete tank for upright installation



Upright kit  
**135903BCRX0**  
weigh 8 kg / 17,6 lb

Filler cap to be ordered separately, choosing among plastic or metallic version.

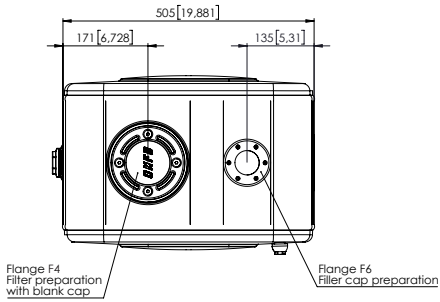
ALUMINIUM							
Filling capacity		* Tank code	Suction ports 2x	Return port	Filter flange	Weight	
lt	gal					kg	lb
70	18	HUANBC03540	1" 1/2 NPT	1" 1/4 NPT	F4 (115mm)	7,8	17,2
85	22	HUANBC04040				8,4	18,5

COATED STEEL (RAL 7021) double powder coating (primer + final layer)							
Filling capacity		* Tank code	Suction ports 2x	Return port	Filter flange	Weight	
lt	gal					kg	lb
70	18	HUGNBC03540	1" 1/2 NPT	1" 1/4 NPT	F4 (115mm)	13,7	30,2
85	22	HUGNBC04040				14,9	32,8

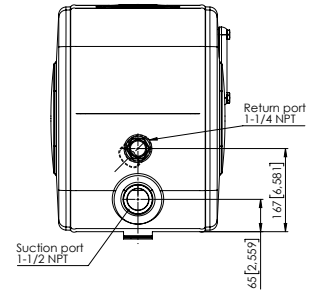
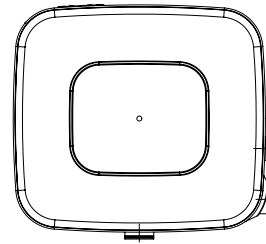
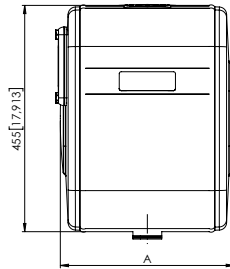
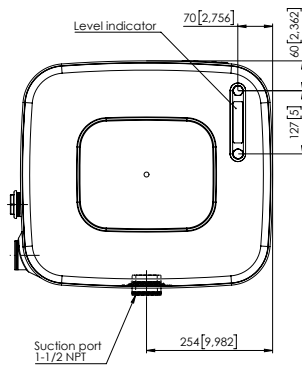


\* Part Number for oil tank only, without mounting kit. Mounting kit to be ordered separately, choosing among saddlemount or upright versions.

Tank dimensions



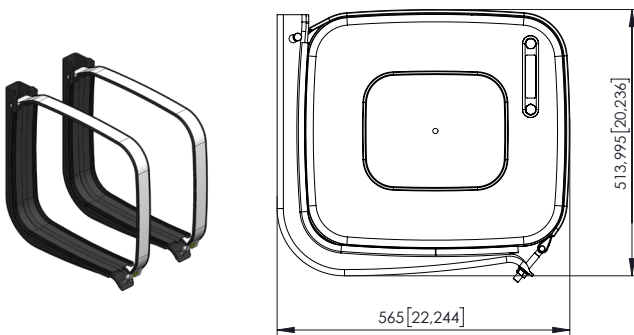
		<b>A</b>		Oil level min. capacity		Oil level max. capacity	
lt	gal	mm	inch	lt	gal	lt	gal
70	<b>18</b>	350	13,78	45	11,9	58,3	15,4
85	<b>22</b>	400	15,74	51,9	13,7	67,4	17,8



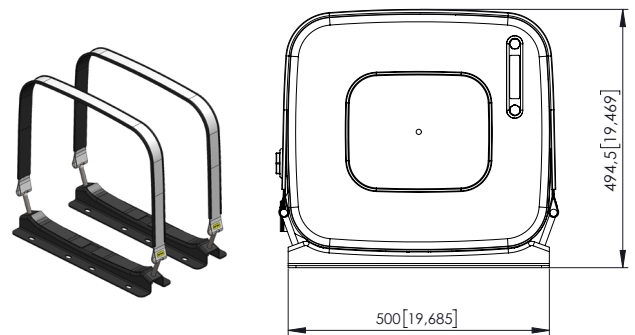
Dimensions in: mm [inch]

Tank with kit dimensions

Saddlemount installation



Upright installation



Link:  
[Accessories](#)  
[Mounting instructions](#)

The oil tanks of this range can satisfy side or rear of cabin mounting requirements with one product only, thanks to dedicated mounting kits that help to reduce stock. Both mounting kits enjoy of sturdy brackets provided of universal hole pattern that allows greater versatility ensuring quick and safe mounting on every kind of chassis. All these tanks are built by using of high quality raw materials and adopting the latest technologies in terms of robot welding and assembling. It results a modern and nice looking appearance combined with reliability and strength for every applications.

**The blank flange is provided included in the standard equipment.**



Complete tank for saddlemount installation



Complete tank for upright installation



\* Tank (see table)



Saddlemount kit  
**135903BPLX6**  
weigh 19,5 kg / 43 lb

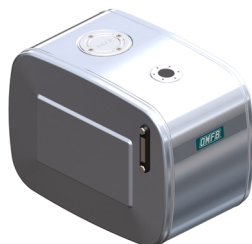


Upright kit  
**135903BPRX0**  
weigh 18 kg / 39,6 lb

Filler cap to be ordered separately, choosing among plastic or metallic version.

ALUMINIUM							
Filling capacity		* Tank code	Suction ports 2x	Return port	Filter flange	Weight	
lt	gal					kg	lb
105	28	<b>HUANBP04040</b>				10,4	22,9
120	32	<b>HUANBP04540</b>	1" 1/2 NPT	1" 1/4 NPT	F4 (115mm)	11,1	24,4
150	40	<b>HUANBP05540</b>				12,2	26,9

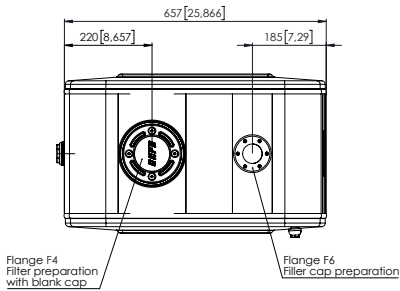
COATED STEEL (RAL 7021) double powder coating (primer + final layer)							
Filling capacity		* Tank code	Suction ports 2x	Return port	Filter flange	Weight	
lt	gal					kg	lb
105	28	<b>HUGNBP04040</b>				28,5	62,8
120	32	<b>HUGNBP04540</b>	1" 1/2 NPT	1" 1/4 NPT	F4 (115mm)	29,9	65,9
150	40	<b>HUGNBP05540</b>				33	72,7



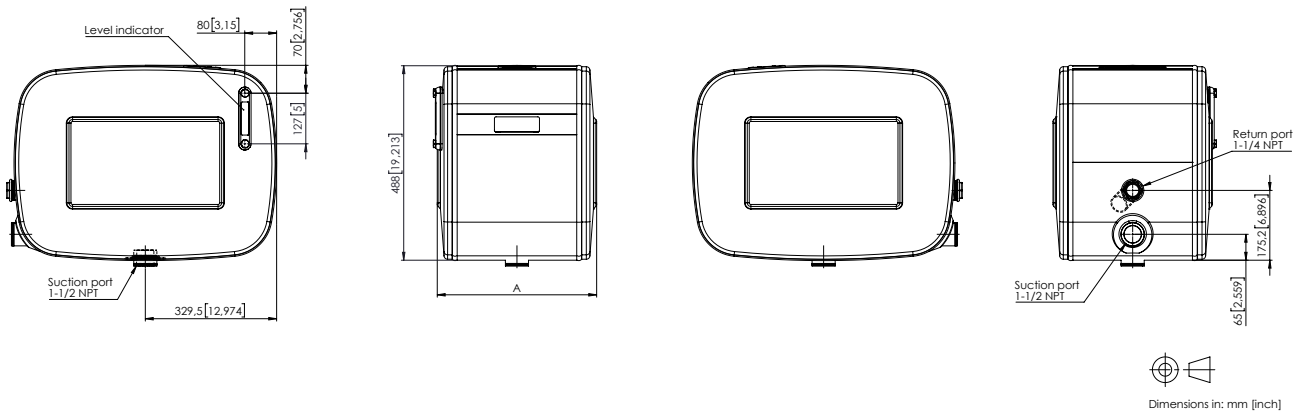
\* Part Number for oil tank only, without mounting kit. Mounting kit to be ordered separately, choosing among saddlemount or upright versions.



**Tank dimensions**

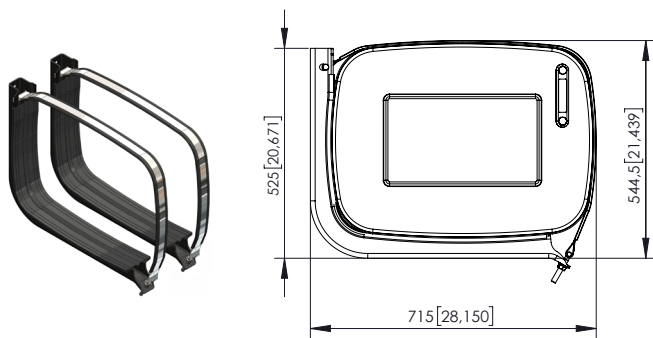


		<b>A</b>		Oil level min. capacity		Oil level max. capacity	
lt	gal	mm	inch	lt	gal	lt	gal
105	<b>28</b>	400	15,74	72	19	92,7	24,5
120	<b>32</b>	450	17,71	81,4	21,5	104	27,5
150	<b>40</b>	550	21,65	100,3	26,5	128,7	34

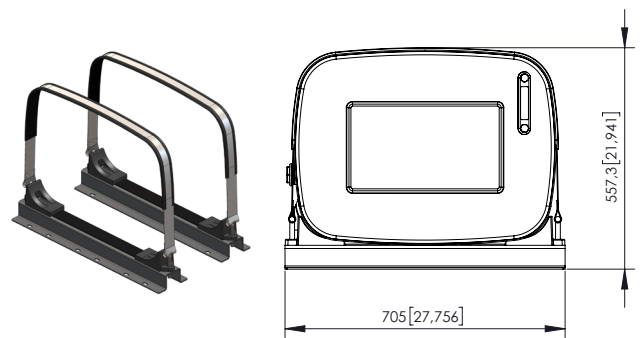


**Tank with kit dimensions**

**Saddlemount installation**

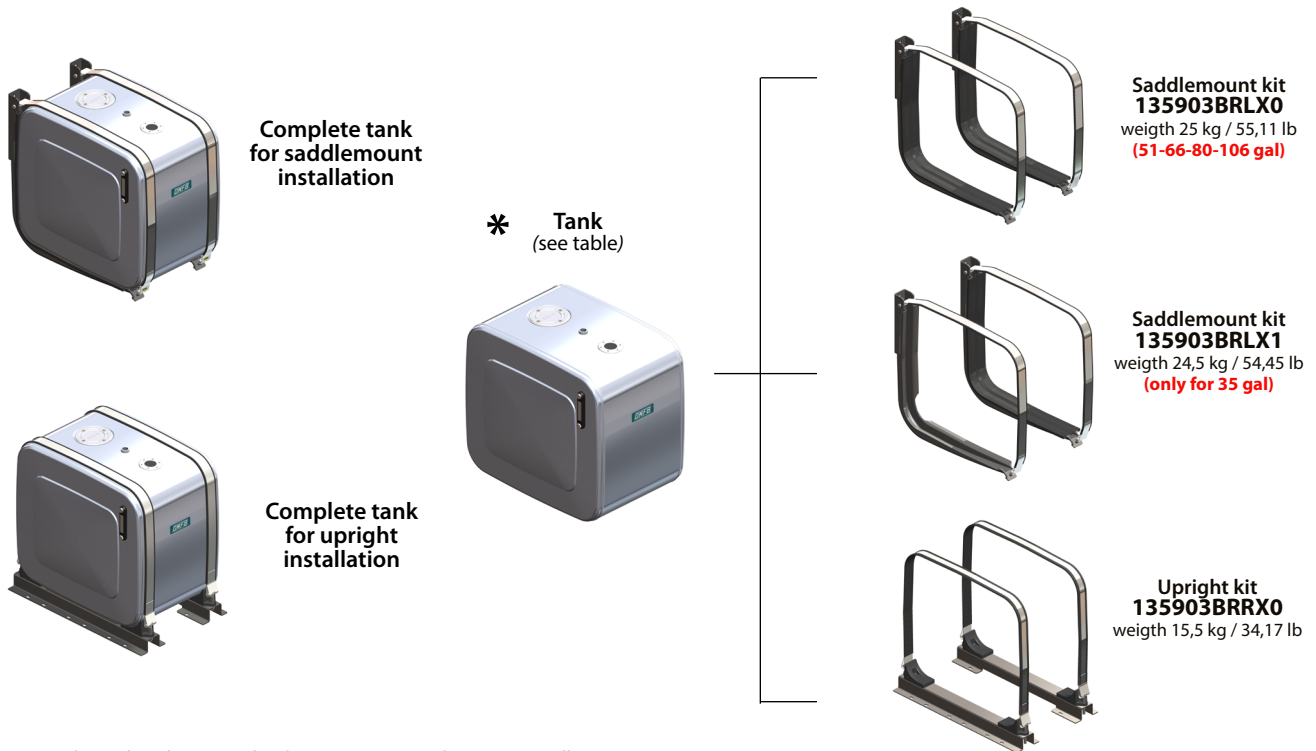


**Upright installation**



Based on the latest technology, these steel tanks are produced to ensure maximum reliability and longer lifetime as well as an exterior aspect that can be perfectly integrated. High versatility is granted by a wide choice of available accessories.

**The blank flange is provided included in the standard equipment.**



Filler cap to be ordered separately, choosing among plastic or metallic version.

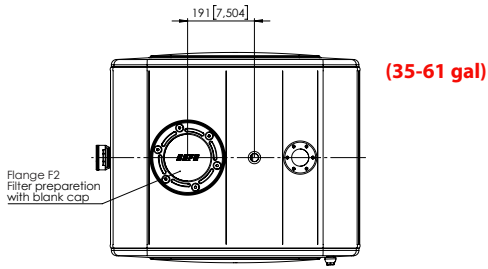
ALUMINIUM							
Filling capacity		Tank code *	Suction ports 2x	Return port	Filter flange	Weight	
lt	gal					kg	lb
135	35	HUANBR03540	1" 1/2 NPT	1" 1/4 NPT	F4 (115mm)	12,6	27,77
200	51	HUANBR05040	2" NPT		F4 (115mm)	15,5	34,17
250	66	HUANBR06040		F2 (175mm)	17,4	38,36	
300	80	HUANBR07340		F2 (175mm)	19,5	43	
400	106	HUANBR10040	2" NPT	2" NPT	F2 (175mm)	24,1	53,13

COATED STEEL (RAL 7021) double powder coating (primer + final layer)							
Filling capacity		Tank code *	Suction ports 2x	Return port	Filter flange	Weight	
lt	gal					kg	lb
135	35	HUGNBR03540	1" 1/2 NPT	1" 1/4 NPT	F4 (115mm)	25,5	56,2
200	51	HUGNBR05040	2" NPT		F4 (115mm)	30,7	67,6
250	66	HUGNBR06040		F2 (175mm)	34,2	75,4	
300	80	HUGNBR07340		F2 (175mm)	39,7	87,5	
400	106	HUGNBR10040	2" NPT	2" NPT	F2 (175mm)	50	110,2

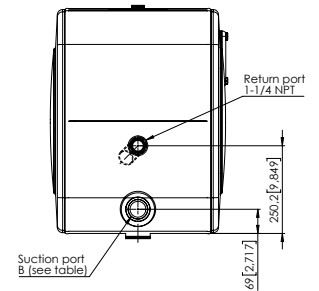
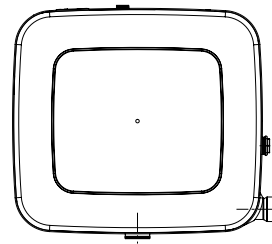
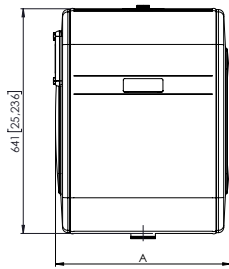
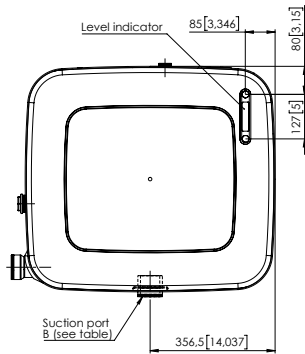
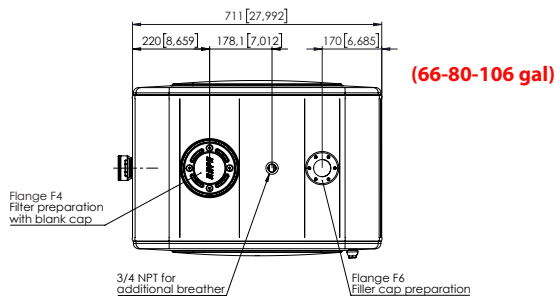


\* Part Number for oil tank only, without mounting kit. Mounting kit to be ordered separately, choosing among saddle or upright versions.

**Tank dimensions**

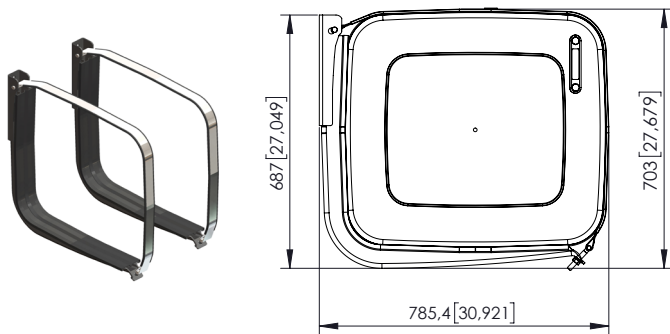


		<b>A</b>		Oil level min. capacity		Oil level max. capacity	
lt	gal	mm	inch	lt	gal	lt	gal
135	<b>35</b>	350	13,78	100,3	26,5	118,9	31,4
200	<b>51</b>	500	19,68	146,9	38,8	174,11	46
250	<b>66</b>	600	23,62	177,9	47	211,2	55,8
300	<b>80</b>	730	28,74	218,8	57,8	259,3	68,5
400	<b>106</b>	1000	39,37	302,8	80	358,8	94,8

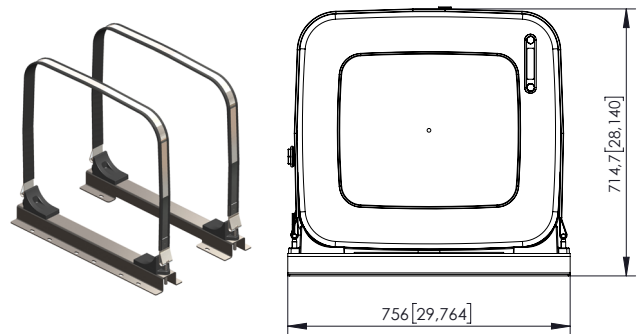


**Tank with kit dimensions**

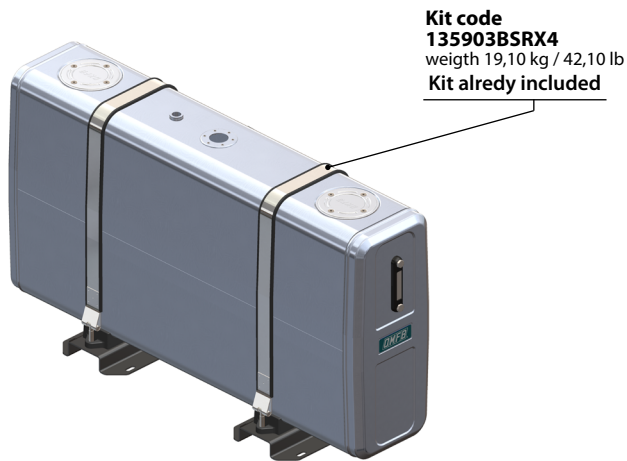
**Saddlemount installation**



**Upright installation**



Oil tanks manufactured using the latest technologies in order to ensure the longest reliability in time. Their dimensions are suitable for the installation behind the vehicle's cabin. They are available in different sizes and capacities, complete with mounting brackets and rubber protections, breather and filler cap (replaceable air filter), oil level gauge and flange for filter predisposition. High versatility is granted by a wide choice of accessories available. **The blank flange is provided included in the standard equipment.**

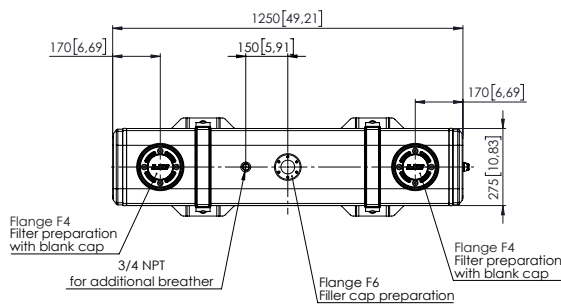


ALUMINIUM						
Filling capacity		Tank code	Suction ports 2x	Filter flange	Weight	
lt	gal				kg	lb
200	53	VUARBS12520	2" NPT	F4 (115mm)	41	90,4

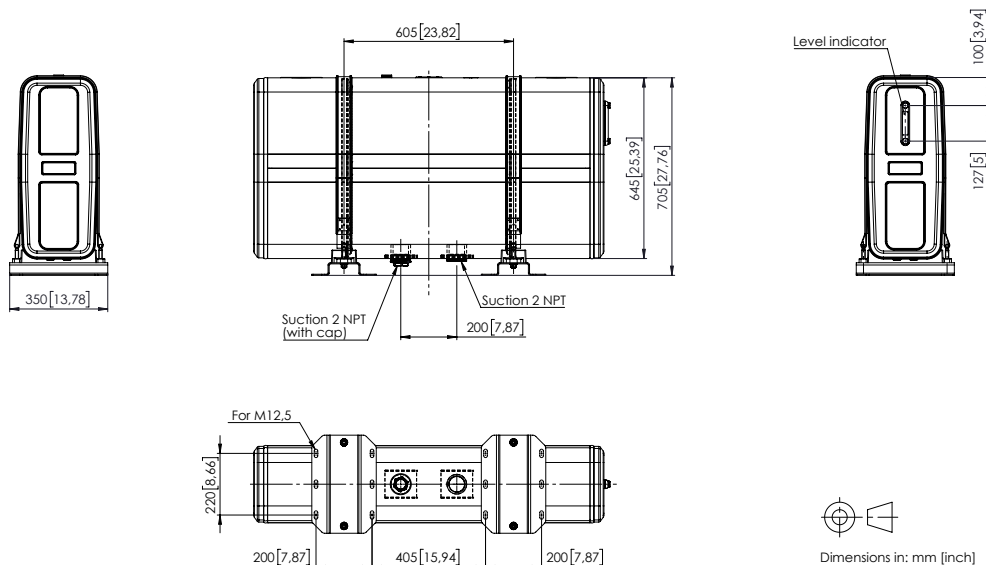
COATED STEEL (RAL 7021) double powder coating (primer + final layer)						
Filling capacity		Tank code	Suction ports 2x	Filter flange	Weight	
lt	gal				kg	lb
200	53	VUGRBS12520	2" NPT	F4 (115mm)	54,3	119,7

Filler cap to be ordered separately, choosing between plastic or metallic version.

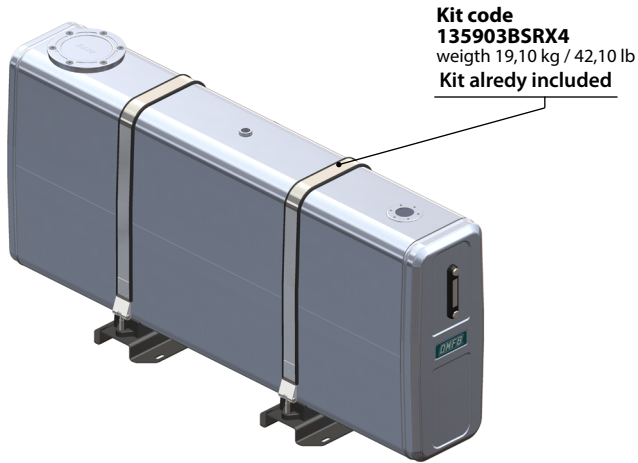
### Tank dimensions



		Oil level min. capacity		Oil level max. capacity	
lt	gal	lt	gal	lt	gal
200	53	143	37,78	170	44,91



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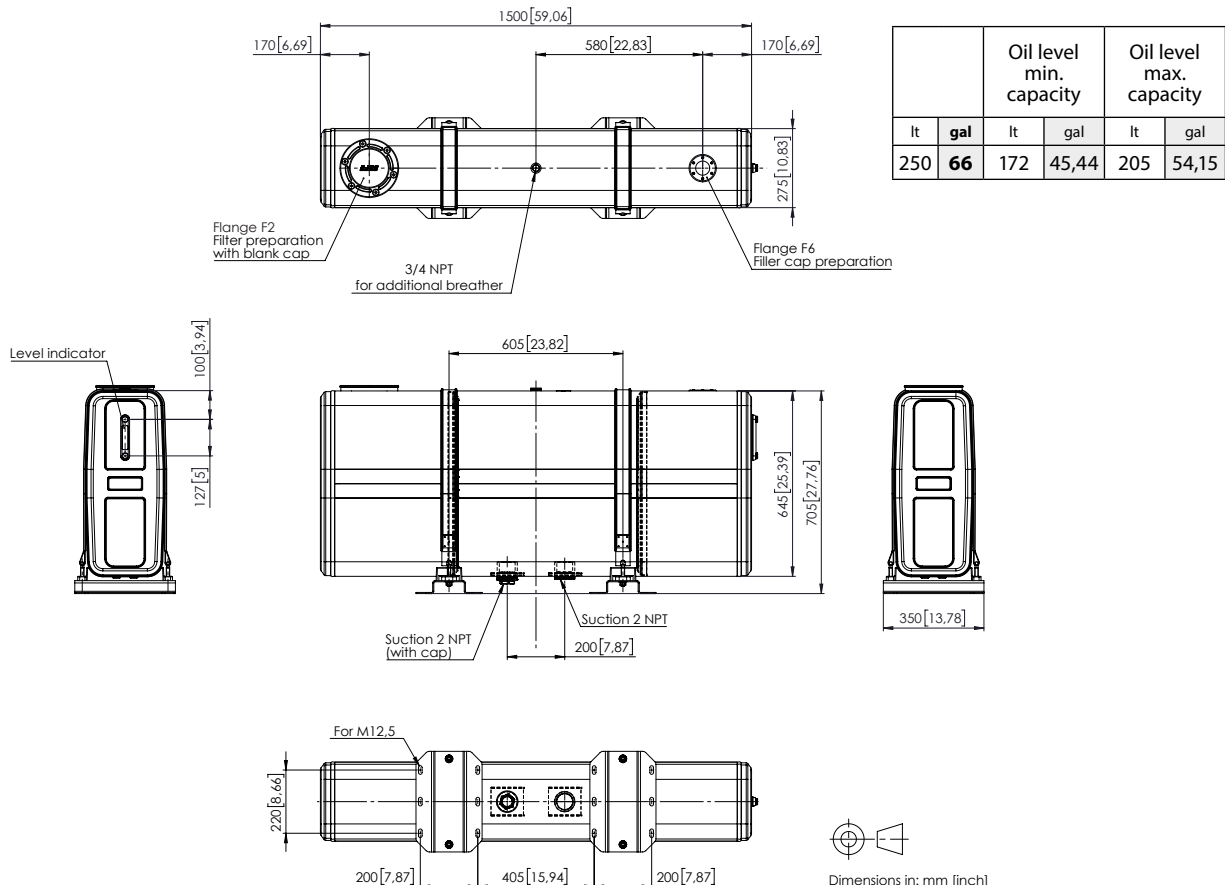


ALUMINIUM						
Filling capacity		Tank code	Suction ports 2x	Filter flange	Weight	
lt	gal				kg	lb
250	<b>66</b>	<b>VUARBS15020</b>	2" NPT	F2 (175mm)	44	97

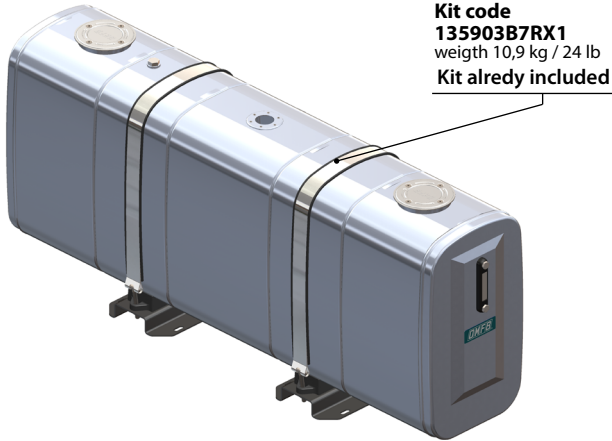
COATED STEEL (RAL 7021) double powder coating (primer + final layer)						
Filling capacity		Tank code	Suction ports 2x	Filter flange	Weight	
lt	gal				kg	lb
250	<b>66</b>	<b>VUGRBS15020</b>	2" NPT	F2 (175mm)	60,1	132,5

Filler cap to be ordered separately, choosing between plastic or metallic version.

### Tank dimensions



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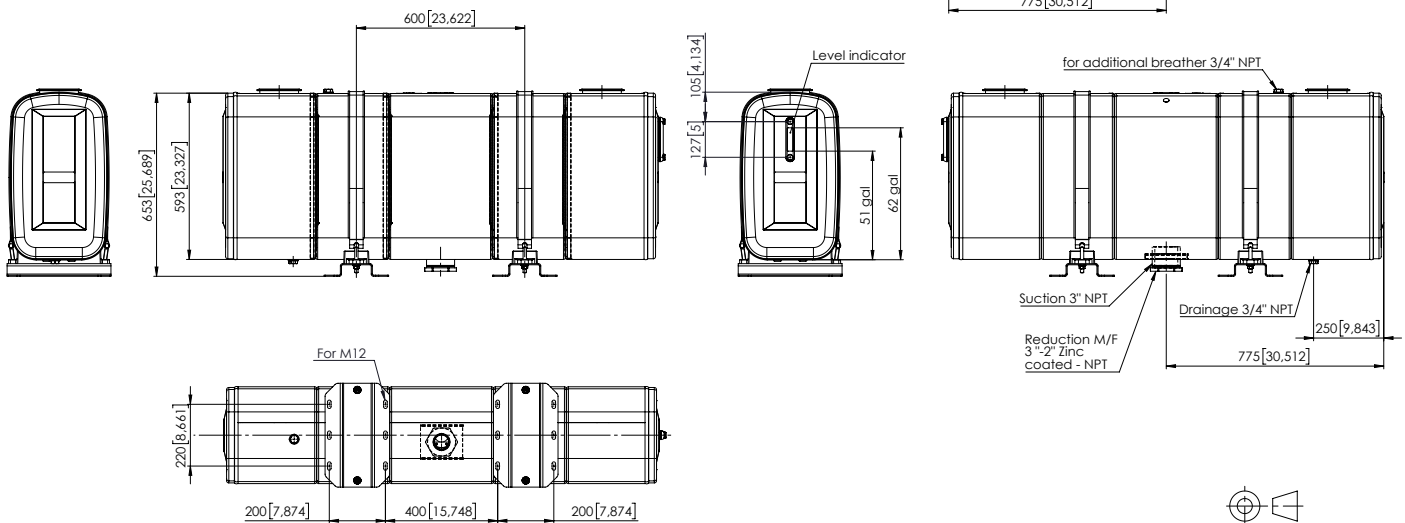
ALUMINIUM						
Filling capacity		Tank code	Suction ports 2x	Filter flange	Weight	
lt	gal				kg	lb
285	<b>75</b>	<b>VUARB715520</b>	3" NPT	F4 (115mm)	39,2	86,42

COATED STEEL (RAL 7021) double powder coating (primer + final layer)						
Filling capacity		Tank code	Suction ports 2x	Filter flange	Weight	
lt	gal				kg	lb
285	<b>75</b>	<b>VUGRB715520</b>	3" NPT	F4 (115mm)	79,7	175,70

Filler cap to be ordered separately, choosing between plastic or metallic version.

### Tank dimensions

		Oil level min. capacity		Oil level max. capacity	
lt	gal	lt	gal	lt	gal
285	<b>75</b>	193	51	234,6	62



Dimensions in: mm [inch]

**Link:**  
[Accessories](#)  
[Mounting instructions](#)

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**The blank flange is provided included in the standard equipment.**



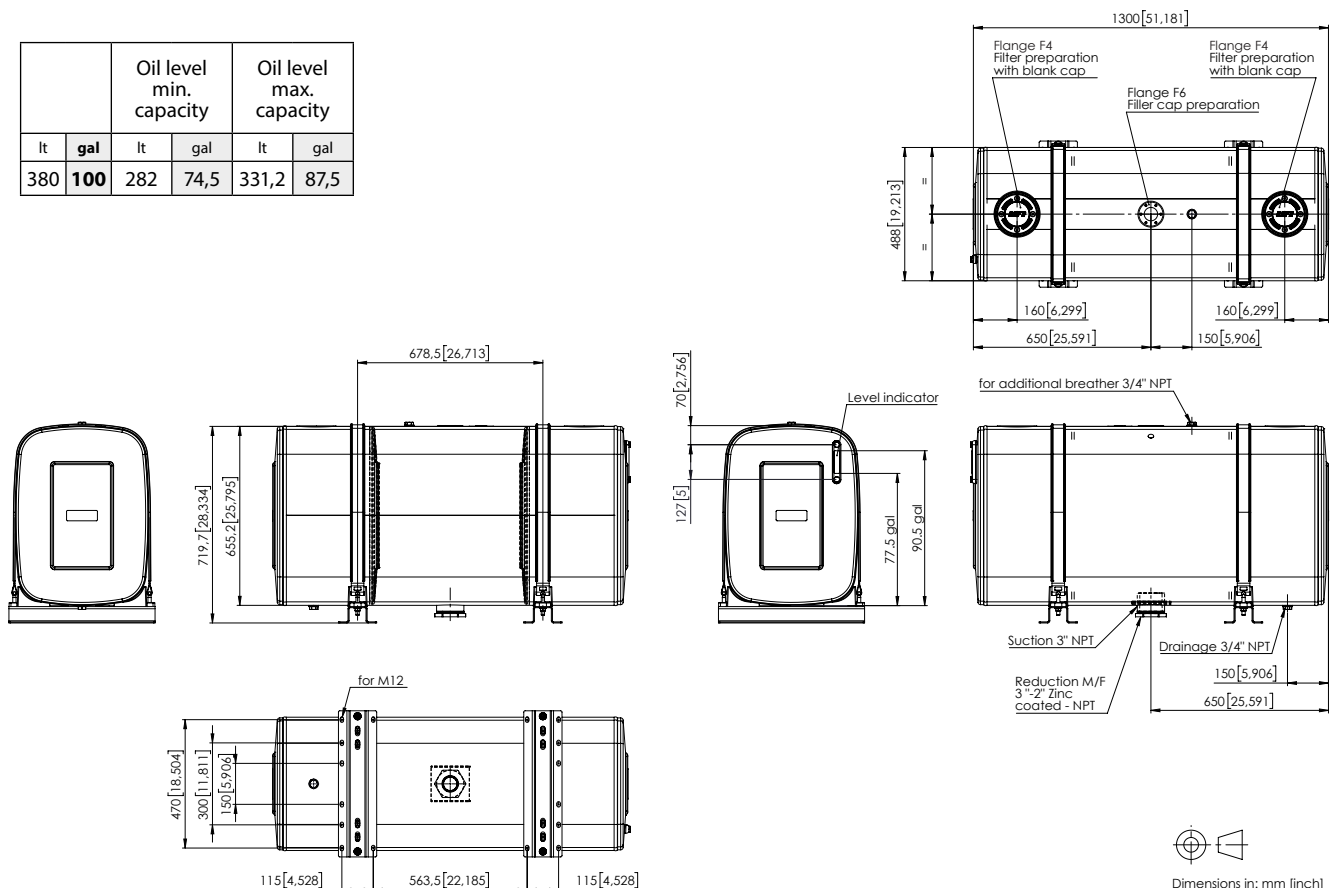
ALUMINIUM						
Filling capacity		Tank code	Suction ports 2x	Filter flange	Weight	
lt	gal				kg	lb
380	100	VUARBP13020	3" NPT	F4 (115mm)	41,6	91,71

COATED STEEL (RAL 7021) double powder coating (primer + final layer)						
Filling capacity		Tank code	Suction ports 2x	Filter flange	Weight	
lt	gal				kg	lb
380	100	VUGRBP13020	3" NPT	F4 (115mm)	82	180,77

Filler cap to be ordered separately, choosing between plastic or metallic version.

### Tank dimensions

Oil level min. capacity		Oil level max. capacity	
lt	gal	lt	gal
380	100	282	74,5
		331,2	87,5



**Link:**  
[Accessories](#)  
[Mounting instructions](#)

Flangible filters

These filters are for installation on the return line. Semi-submerged in the tank. All filters are complete with by-pass valve.

<b>Operating Temperature</b>	
with NBR seals	-30 ÷ 90° C
<b>Fluid compatibility conforming to ISO 2943 (Norm ISO 6743/4)</b>	
oil mineral with NBR seals	HH - HL - HM - HR - HV - HG
water emulsions with NBR seals	HFAE - HFAS
<b>Pressure</b>	
working pressure	8 bar
testing pressure	12 bar
burst pressure	16 bar
element collapse pressure rating (conforming to ISO 2941)	10 bar
<b>By-pass valve</b>	
by-pass setting	1,7 bar

DEFINITION

Ratio "β<sub>x</sub>" according to ISO 4572:


$$\beta_x \geq \frac{\text{Upstream particles with dimensions "x" } \mu\text{m}}{\text{Downstream particles with dimensions "x" } \mu\text{m}}$$

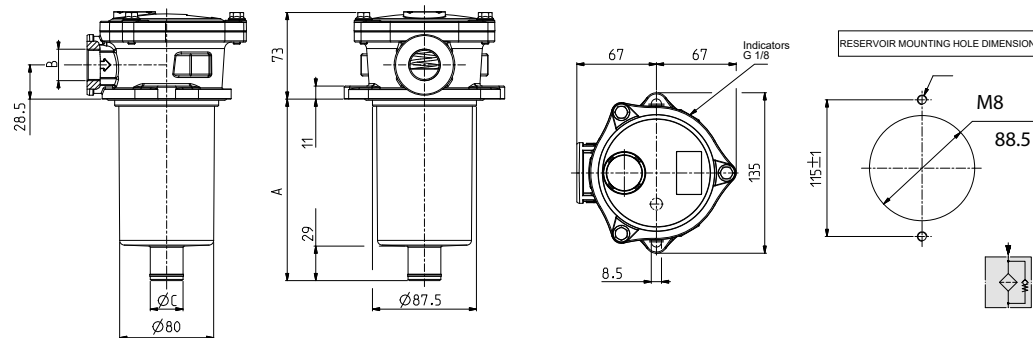
where "x" stands for particle size in μm

$$\% \text{ / Filtration Efficiency} = \frac{\text{Ratio } \beta - 1}{\text{Ratio } \beta} \times 100$$

Values	Efficiency
"β"	%
≥ 2	50
≥ 20	95
≥ 50	98
≥ 75	98,7
≥ 100	99
≥ 200	99,5

**Flange F4**





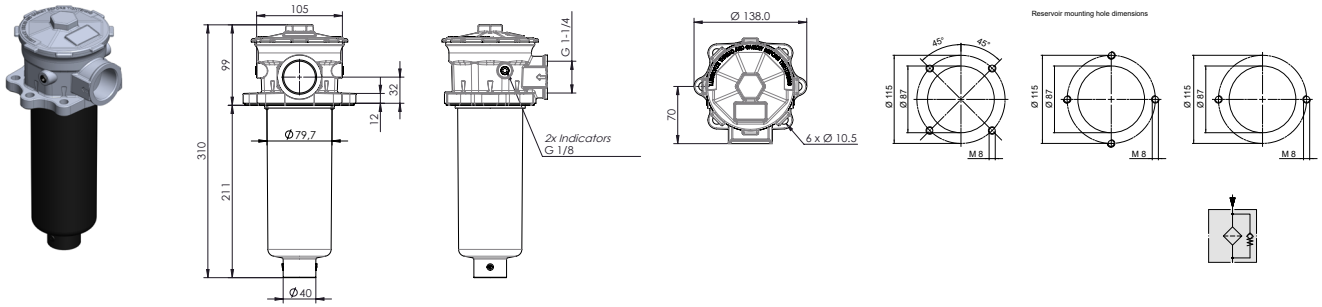
**Seal kit: 11890200170**

Distance between the holes	Filter	β	Displacement l/min	Code	A	B	C	Cartridge	
					mm	BSP	mm		
<b>115</b>	Steel 90 μm		90	<b>11800100358</b>	103	G 3/4	27,5	11800200357	
	Steel 90 μm		105	<b>11800100401</b>	148	G 1	27,5	11800200400	
	Steel 60 μm		85	<b>11800101357</b>	103	G 3/4	27,5	11800201356	
	Steel 60 μm		100	<b>11800101400</b>	148	G 1	27,5	11800201409	
	Steel 60 μm		145	<b>11800101437</b>	229	G 1	40	11800201436	
	Steel 60 μm		170	<b>11800101446</b>	312	G 1	40	11800201454	
	Steel 60 μm		170	<b>11800101455</b>		G 1 1/4	40	11800201454	
	Steel 60 μm		200	<b>11800101482</b>		G 1	40	11800201481	
	Reinforced cellulose 25 μm		75	<b>11800102356</b>		103	G 3/4	27,5	11800202355
	Reinforced cellulose 25 μm		β <sub>25</sub> >2	100	<b>11800102409</b>	148	G 1	27,5	11800202408
	Reinforced cellulose 25 μm	160		<b>11800102436</b>	229	G 1	40	11800212175	
	Reinforced cellulose 25 μm	175		<b>11800102445</b>	312	G 1	40	11800202453	
	Reinforced cellulose 25 μm	175		<b>11800102454</b>		G 1 1/4	40	11800202453	
	Micro-fibre glass 25 μm	β <sub>25</sub> >200		55	<b>11800104354</b>	103	G 3/4	27,5	11800204353
	Micro-fibre glass 25 μm		75	<b>11800104407</b>	148	G 1	27,5	11800204406	
	Reinforced cellulose 10 μm		β <sub>10</sub> >2	55	<b>11800103355</b>	103	G 3/4	27,5	11800203354
	Reinforced cellulose 10 μm			75	<b>11800103408</b>	148	G 1	27,5	11800203407
	Reinforced cellulose 10 μm			135	<b>11800103453</b>	312	G 1	40	11800203452



**Flange F4**

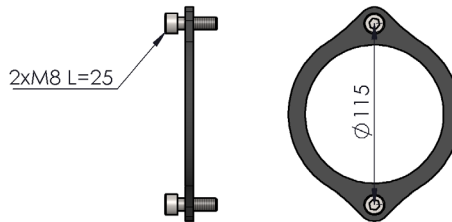
Seal kit: 11890200241



Distance between the holes	Filter	$\beta$	Displacement l/min	Code	B BSPP	Cartridge
115	Rete metallica 60 micron / <i>Metallic net</i> 60 $\mu$ m		250	<b>11800101571</b>	G 1 1/4	11800201571
	Microfibra 25 / <i>Micro-fibre glass</i> 25 $\mu$ m	$\beta_{25} > 200$	130	<b>11800104904</b>		11800204904
	Cellulosa rinforzata / <i>Reinforced cellulose</i> 10 $\mu$ m	$\beta_{10} > 2$	170	<b>11800103677</b>		11800203677

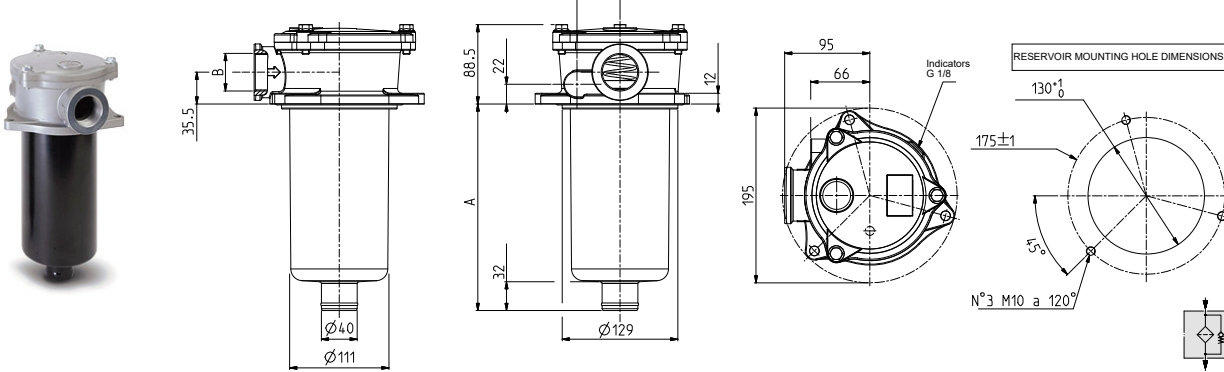
**Flanged filter mounting kit**

**11891200016:** Flanged filter mounting kit 2x115



**Flange F2**

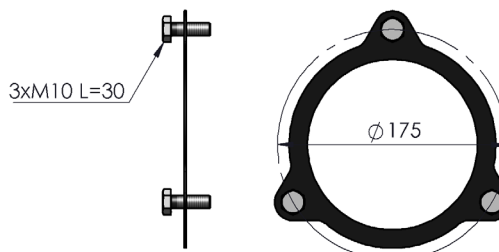
Seal kit: 11890200189

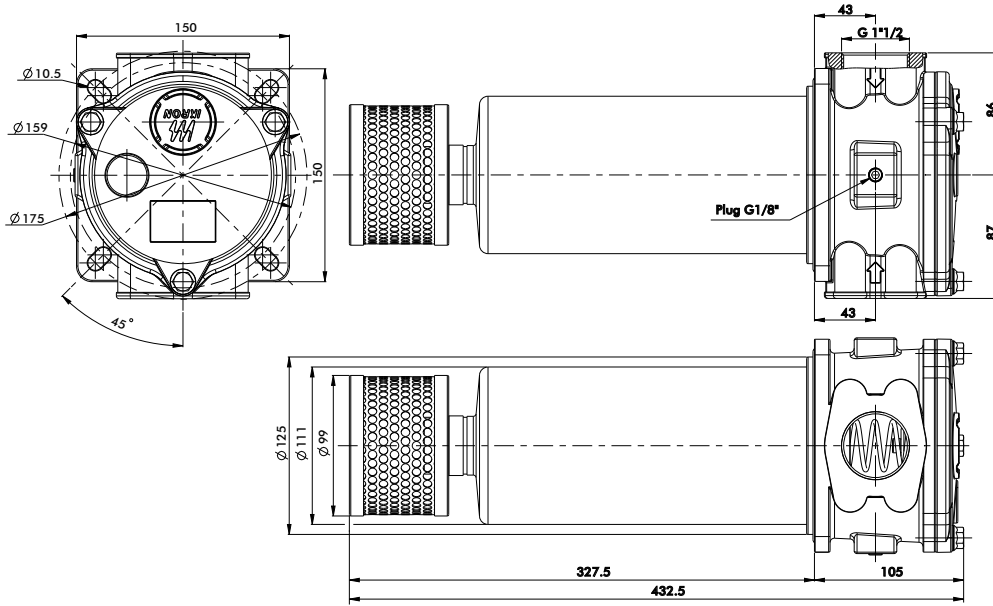


Distance between the holes	Filter	$\beta$	Displacement l/min	Code	A mm	B BSPP	Cartridge
175	Steel 90 $\mu$ m		270	<b>11800100509</b>	230	G 1 1/4	11800200508
	Steel 60 $\mu$ m		260	<b>11800101508</b>			11800201507
	Reinforced cellulose 25 $\mu$ m	$\beta_{25} > 2$	270	<b>11800102507</b>			11800202506
	Reinforced cellulose 10 $\mu$ m	$\beta_{10} > 2$	220	<b>11800103506</b>			11800203505
	Micro-fibre glass 25 $\mu$ m	$\beta_{25} > 200$	220	<b>11800104505</b>			11800204504

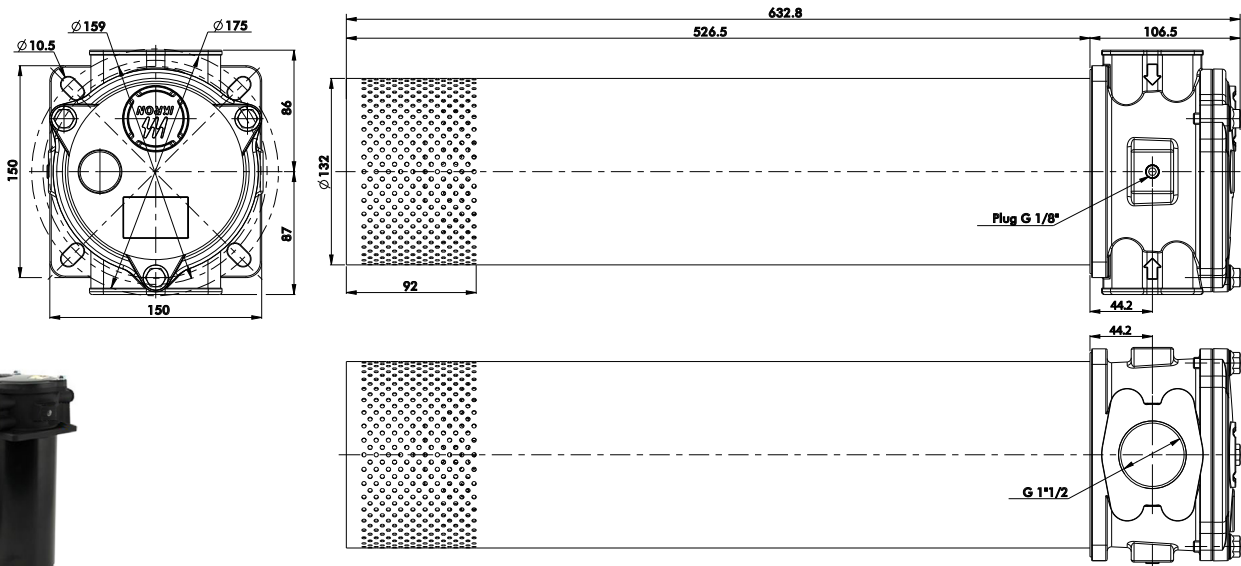
**Flanged filter mounting kit**

**11891200025:** Flanged filter mounting kit 3x175





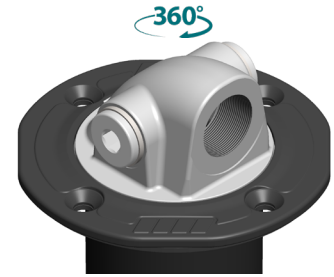
Distance between the holes	Filter	$\beta$	Displacement l/min	Code	Cartridge
159/175	Micro-fibre glass 10 $\mu$ m	$\beta_{25} > 200$	230 l/min	11800000126	11800200071



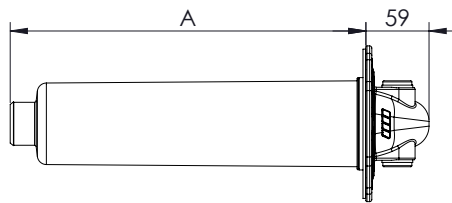
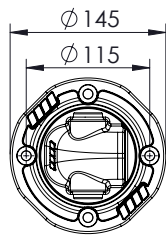
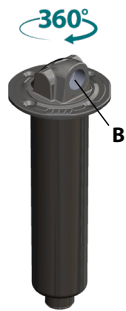
Distance between the holes	Filter	$\beta$	Displacement l/min	Code	Cartridge
159/175	Micro-fibre glass 10 $\mu$ m	$\beta_{25} > 200$	310 l/min	11800000135	11800200080

Multifunctional adjustable return system cap

The peculiarity of this product is that the G1 port to which the return line of the systems is connected, can be oriented in any position of 360 ° allowed.



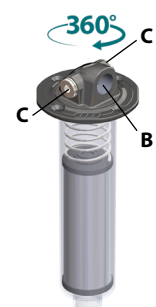
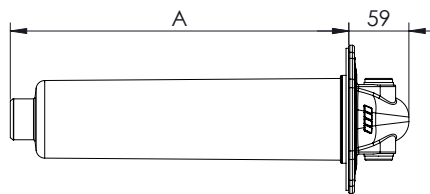
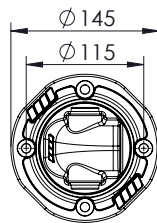
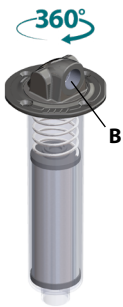
CAP WITHOUT FILTER CARTRIDGE



Flange F4

Code	A	B	C	Spare parts			
				Plastic recipient	Cap	Cap ring	Gasket
13590400341	330	G 1	G 1/2	50900001859	54600250010	49211020010	50600003022
13590400350		G 1			54600250029		
13590400369		G 1			54600250010		
13590400378	165	G 1	G 1/2	50900001902	54600250029		

CAP WITH FILTER CARTRIDGE



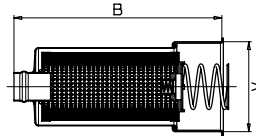
Flange F4

Cap without ports	Code	A	B	Spare parts				
Technical features				Plastic recipient	Cartridge	Cap	Cap ring	Gasket
60 µm (steel) 200 lt	11800125519	330	G 1	50900001859	11800211176	54600250010	49211020010	50600003022
25 µm (cellulose) 160 lt	11800125528				11800212175			
25 µm (fiber) 160 lt	11800125537				11800212193			
60 µm (steel) 90 lt	11800125715	165	G 1	50900001902	11800201356	11800202355	11800204353	
25 µm (cellulose) 60 lt	11800125724							
25 µm (fiber) 60 lt	11800125733							

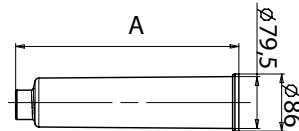
Cap with ports	Code	A	B	C	Spare parts				
Technical features					Plastic recipient	Cartridge	Cap	Cap ring	Gasket
60 µm (steel) 200 lt	11800125546	330	G 1	G 1/2	50900001859	11800211176	54600250029	49211020010	50600003022
25 µm (cellulose) 160 lt	11800125555					11800212175			
25 µm (fiber) 160 lt	11800125564					11800212193			
60 µm (steel) 90 lt	11800125742	165	G 1	G 1/2	50900001902	11800201356	11800202355	11800204353	
25 µm (cellulose) 60 lt	11800125751								
25 µm (fiber) 60 lt	11800125760								

**Submerged filter**

These filters have to be fitted in combination with flange in combination with mounting plates for diverters.

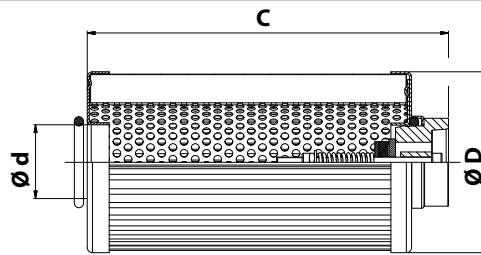


Order code	Flange type	Displacement		Filter		Operating temperature °C	A mm	B mm	Max. operating pressure bar	Testing pressure bar	By-pass valve opening $\Delta p$ bar	Filter element collapse pressure bar	Spare cartridge	
		l/min	$\mu m$	$\beta$										
<b>Flange F1</b>														
11800111159	115	100	60			3	89	207	3	6	1,5±9%	10	11800201150 steel	
11800112158		72	30	2										11800202159 reinforced cellulose
11800111186		200	60		2		89	294						11800211176 steel
11800112185		140	25											11800212175 reinforced cellulose
<b>Flange F2</b>														
11800111757	175	180	60			-25÷110	127	304	3	6	1,5±9%	10	11800201203 steel	
11800112756		130	30	2										

 These filters have to be fitted in combination with flange **F4** in combination with mounting plates for diverters.


Order code	Flange type	A	Displacement		Filter		Operating temperature °C	Max. operating pressure bar	Testing pressure bar	By-pass valve opening $\Delta p$ bar	Filter element collapse pressure bar	Spare cartridge
			l/min	$\mu m$	$\beta$	25						
<b>Flange F4</b>												
11800111177	115	330	200	60		-25÷110	8	12	1,7±10%	10	11800211176 steel	
11800112176			160	25	2							11800212175 reinforced cellulose
11800112194			160	25	200							11800212193 microfiber
11800111195		162	90	60								11800201356 steel
11800112210			60	25	2							11800202355 reinforced cellulose
11800112229			60	25	200							11800204353 microfiber

## Cartridge

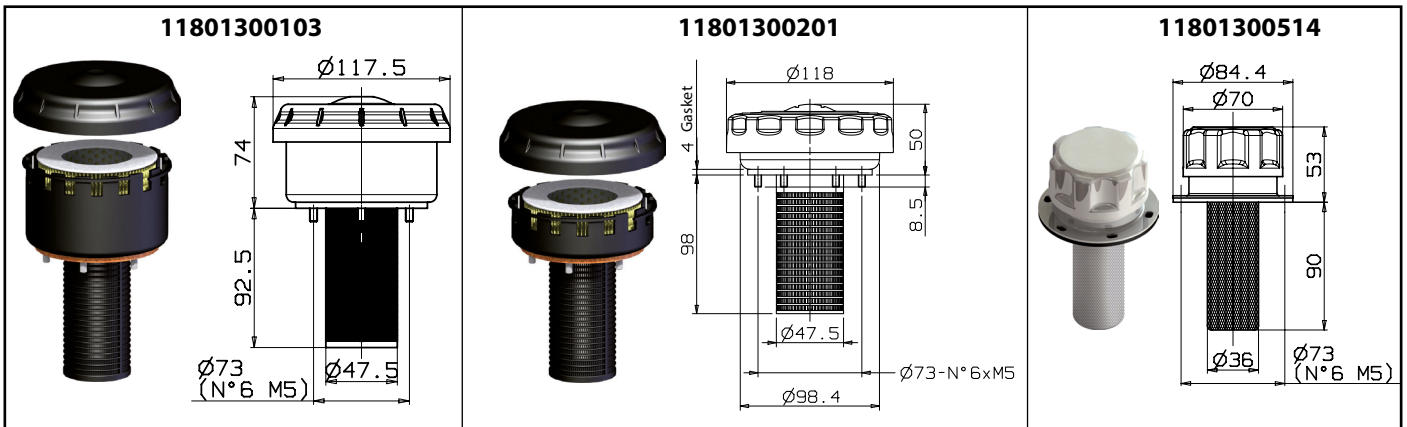


	Suitable for filters	Cartridge	Filter	Ø	Ø	C	β	Efficiency
				d	D			
				mm	mm	mm		
	Distance between the holes 90	11800200302	Steel 90 µm	26	52	75		
		11800201301	Steel 60 µm					
		11800202300	Reinforced cellulose 25 µm				β <sub>25</sub> >2	50 %
		11800203309	Reinforced cellulose 10 µm				β <sub>10</sub> >2	50 %
		11800204308	Micro-fibre glass 25 µm				β <sub>25</sub> >200	99,5 %
	Distance between the holes 115 A=103	11800200357	Steel 90 µm	29	70	95		
		11800201356	Steel 60 µm					
		11800202355	Reinforced cellulose 25 µm				β <sub>25</sub> >2	50 %
		11800203354	Reinforced cellulose 10 µm				β <sub>10</sub> >2	50 %
	Distance between the holes 115 A=148	11800204353	Micro-fibre glass 25 µm				β <sub>25</sub> >200	99,5 %
		11800200400	Steel 90 µm	29	70	140		
		11800201409	Steel 60 µm					
		11800202408	Reinforced cellulose 25 µm				β <sub>25</sub> >2	50 %
	11800203407	Reinforced cellulose 10 µm	β <sub>10</sub> >2				50 %	
	Distance between the holes 115 A=229	11800204406	Micro-fibre glass 25 µm				β <sub>25</sub> >200	99,5 %
		11800201436	Steel 60 µm	41	70	225		
	11800212175	Reinforced cellulose 25 µm	β <sub>25</sub> >2				50 %	
	Distance between the holes 115 A=312	11800201481	Steel 60 µm Larger flow	41	70	304		
		11800201454	Steel 60 µm					
		11800202453	Reinforced cellulose 25 µm				β <sub>25</sub> >2	50 %
11800203452		Reinforced cellulose 10 µm	β <sub>10</sub> >2				50 %	
Distance between the holes 175	11800200508	Steel 90 µm	41	99	212			
	11800201507	Steel 60 µm						
	11800202506	Reinforced cellulose 25 µm				β <sub>25</sub> >2	50 %	
	11800203505	Reinforced cellulose 10 µm				β <sub>10</sub> >2	50 %	
	11800204504	Micro-fibre glass 25 µm				β <sub>25</sub> >200	99,5 %	
Distance between the holes 220	11800202604	Reinforced cellulose 25 µm	65	130	256	β <sub>25</sub> >2	50 %	

	Suitable for filters	Cartridge	Filter	Ø	Ø	C	β	Efficiency
				d	D			
				mm	mm	mm		
	Distance between the holes 115 A=330	11800211176	Steel 60 µm	41	70	225		
		11800212175	Reinforced cellulose 25 µm				β <sub>25</sub> >2	50 %
		11800212193	Microfiber 25 µm				β <sub>25</sub> >200	99,5 %


**WARNING:** cartridge use only with submerged filters cod. 11800111177 / 11800112176 / 11800112194 spares.

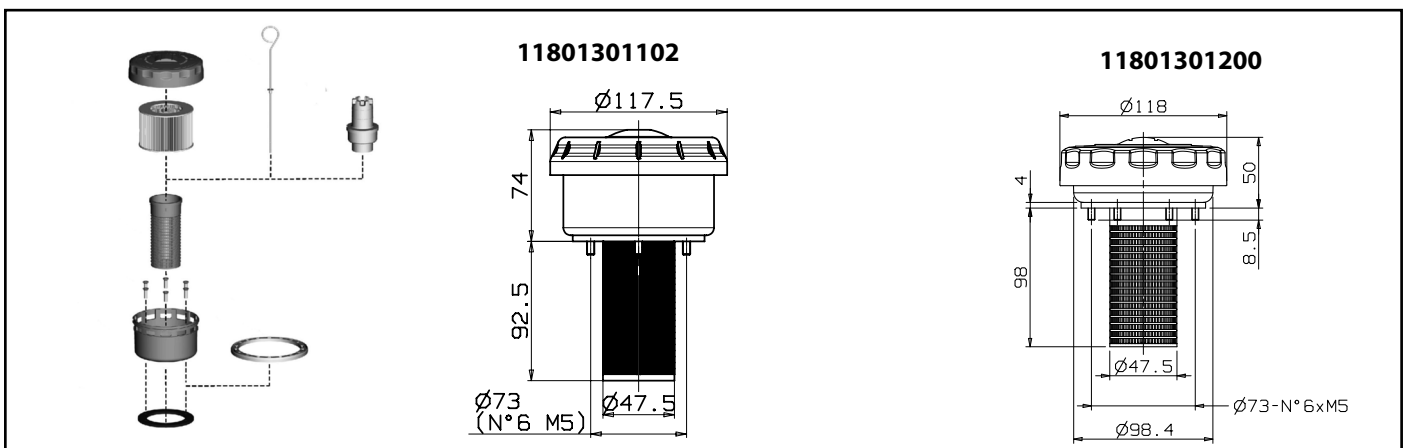
Filler cap



Filler cap complete with paper filter to ensure a proper filtration on the air coming into the tank.

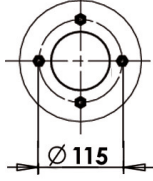
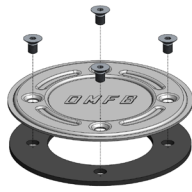
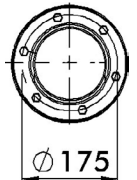
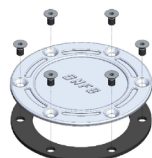
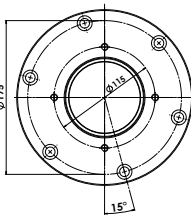
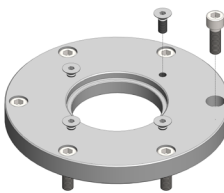
Order code	Air displacement	Filter	Filter Elements
11801300103	1800 l/min	3 µm	Paper
11801300201	1400 l/min	10 µm	
11801300514	480 l/min	40 µm	Metallic net

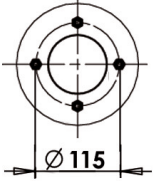
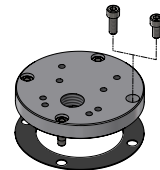
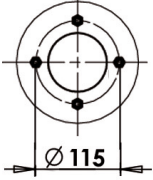
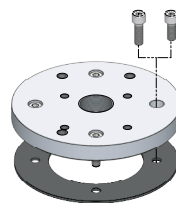
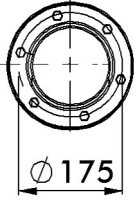
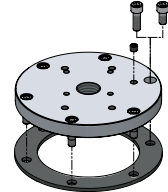
Filler cap with antisplash



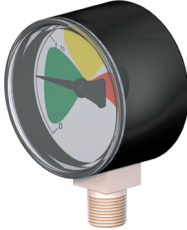
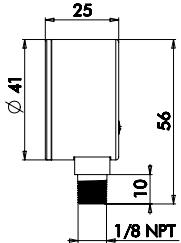
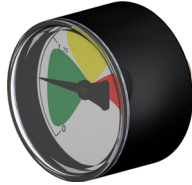
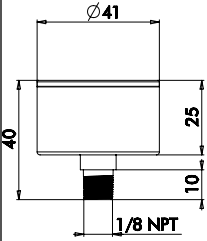
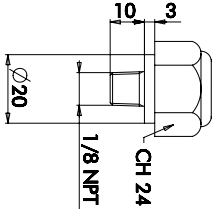
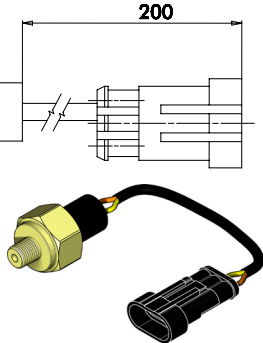
Order code	Air displacement	Filter	Filter Elements
11801301102	1800 l/min	3 µm	Paper
11801301200	1400 l/min	10 µm	

Flanges


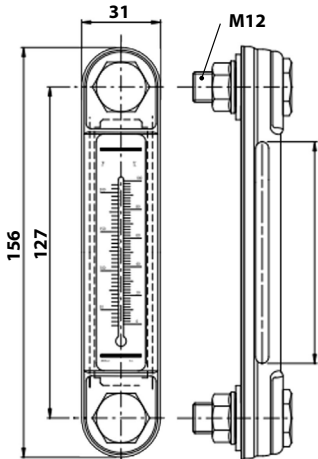
	Order code	Description	Bill of material
Blank flanges	 Code 13599020110 (OMFB) 13599020129 (Neutro)	Blank flange	 Flange F4 4 screws SPEI M8x16 1 aluminium plate 1 Gasket
	 Code 13599020165	Blank flange	 Flange F2 6 screws SPEI M10x18 1 aluminium plate 1 Gasket
Kit adaptor filter cap	 Code 13590400234	Kit adaptor F4 on oil tanks F2.	 Flange F2 1 plate 6 screws TCE M10x30 4 screws SPEI M8x20

	Order code	Description	Bill of material
Mounting flanges for tipping valves	 Code 12199400182	Mounting flange for tipping valves option: <b>FM / FP 80 Modular 150</b>	 Flange F4 4 screw TCE M 8x14 4 screw TCE M 8x20 1 aluminium plate 1 Gasket <b>WARNING: SHORT SCREWS MUST BE USED ONLY FOR OIL TANKS FAMILY CODE 135700...</b>
	 Code 12199400226	Mounting flange for tipping valves option: <b>Modular 150 - Modular 250 on side and rear mounting tanks</b>	 Flange F4 4 screw TCE M 8x25 4 screw TCE M 8x20 1 aluminium plate 1 Gasket <b>WARNING: SHORT SCREWS SHALL BE USED ON TANKS WITH WELDED FLANGES. LONG SCREWS SHALL BE USED ON TANKS WITH DEEP-DRAWN FLANGES AND THREADED INSERTS.</b>
	 Code 12199400217	Mounting flange for tipping valves option: <b>Modular 150 Modular 250</b>	 Flange F2 6 screw TCE M10x20 6 screw TCE M10x30 1 aluminium plate 1 Gasket 1 Plug G 1/8 <b>WARNING: SHORT SCREWS MUST BE USED ONLY FOR OIL TANKS FAMILY CODE 135700...</b>

Clogging indicators

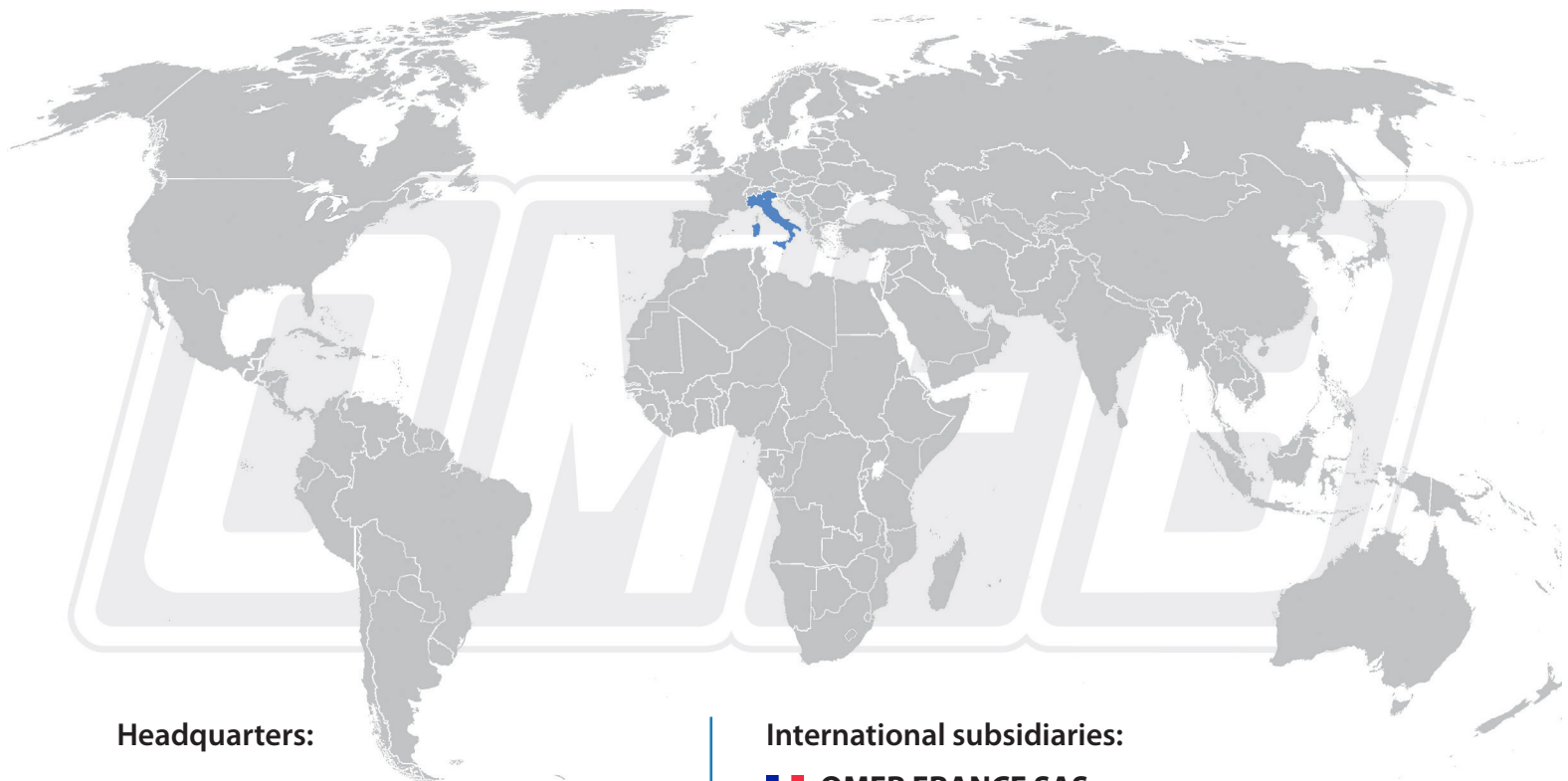
Order code		Description	Products	
Visual indicators	Radial attachment 1180000073	Pressure gauge, scale from 0 to 6 bar radial attachment.		
	Rear attachment 1180000082	Pressure gauge, scale from 0 to 6 bar rear attachment.		
Electric indicators	31200500110	Adjustable electric indicator from 0.5 bar to 3 bar. IP 65 Packard connection.		

Visual level indicator

Order code	Description	Product
50900400052	<p><b>VERTICAL LEVEL GAUGES WITH METAL CASING</b></p> <ul style="list-style-type: none"> <li>- Max working temperature - 30° + 100° C.</li> <li>- Rear gasket: NBR 70 Shore.</li> <li>- Maximum tightening torque suggested 5 Nm.</li> </ul>	 







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QUALITY SYSTEM  
CERTIFIED BY DNV GL  
= **IATF 16949** =

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