



## FILTERS



How to order the correct item: **MM CAT + FILTER CODE**



### AIR FILTERS

Standard Efficiency		Ultra High Efficiency	
245-3819	142-1340	132-7164	220-0454
256-7902	165-1689	128-2686	220-0455
142-1403	267-3005	132-7165	267-3004
206-5234	277-7838	122-1674	277-7837
4P-0710	4W-5716	122-1675	132-7170
256-7903	4W-5228	132-7166	132-7171
134-8726	8N-6309	132-7167	185-8786
106-3969	251-5885	132-7168	292-5862
123-6855	251-5886	132-7169	292-5863
131-8822	106-3973	134-0685	156-9328
142-1339	-	220-0453	-

Further Standard Efficiency engine air filters available on request.



### FUEL FILTERS

Standard Efficiency	Advanced Efficiency	Ultra High Efficiency
1R-1740	1R-0750	299-8229
121-9868	1R-0751	306-9199
1R-0725	1R-0755	364-5287
1R-1712	1R-0749	319-0844
1R-1725	1R-0766	-



### OIL FILTERS

Standard Efficiency	Advanced Efficiency	Ultra High Efficiency
1R-0726	276-5403	284-9054
1R-0739	1R-1807	257-9344
1R-0716	1R-1808	244-4484
272-1788	275-2604	-
179-1502	249-2347	-

Additional Standard and Advanced Efficiency engine fuel and oil filters available on request.

**WIDE RANGE OF CAT AIR, TRANSMISSION, HYDRAULIC, HYDRAULIC/TRANSMISSION FILTERS AND FUEL/WATER SEPARATOR FILTERS ALSO AVAILABLE.**



How to order the correct item: **MM RAC + ITEM CODE**

**MARINE REPLACEMENT FILTER ELEMENTS**



2010SM/TM/PM-OR



R11T



R12T



R20P



R25S



PF101-2



PF201-30



S3214



B32014

Item code	Description	Housing/Filter Assembly/ Application
<b>MOBILE FUEL FILTRATION - FUEL/WATER SEPARATOR FILTERS</b>		
2000SM-OR	2 mic, brown, with o-rings	RACOR 200 series housings
2000TM-OR	10 mic, blue, with o-rings	
2000PM-OR	30 mic, red, with o-rings	
2010SM-OR	2 mic, brown, with o-rings	RACOR 500 series turbine assemblies
2010TM-OR	10 mic, blue, with o-rings	
2010PM-OR	30 mic, red, with o-rings	
R11T	10 mic	RACOR 110A filter assembly
R12S	Spin-on, 2 mic, brown	RACOR 120A filter assembly
R12T	Spin-on, 10 mic, blue	
R12P	Spin-on, 30 mic, red	
R15S	Spin-on, 2 mic, brown	RACOR 215R filter assembly
R15T	Spin-on, 10 mic, blue	
R15P	Spin-on, 30 mic, red	
R20S	Spin-on, 2 mic, brown	RACOR 230R filter assembly
R20T	Spin-on, 10 mic, blue	
R20P	Spin-on, 30 mic, red	
R25S	Spin-on, 2 mic, brown, with seals	RACOR 245R filter assembly
R25T	Spin-on, 10 mic, blue, with seals	
R25P	Spin-on, 30 mic, red, with seals	
<b>MOBILE FUEL FILTRATION - FUEL FILTERS</b>		
PF101-2	Parfit, 2 mic, element assembly	
PF201-30	Parfit, 30 mic, element assembly	
<b>MARINE FUEL FILTRATION - FUEL/WATER SEPARATOR FILTERS</b>		
2020SM-OR	2 mic, brown, with o-rings	RACOR 1000 series turbine assemblies
2020TM-OR	10 mic, blue, with o-rings	
2020PM-OR	30 mic, red, with o-rings	
2040SM-OR	2 mic, brown, with o-rings	RACOR 900 series turbine assemblies
2040TM-OR	10 mic, blue, with o-rings	
2040PM-OR	30 mic, red, with o-rings	
S3204TUL	10 mic UL , with seals	RACOR 445MAM filter assembly
<b>MARINE FUEL FILTRATION - FUEL/WATER SEPARATOR FILTERS - OEM GASOLINE SERIES</b>		
S3213	Spin-on, 10 mic, for Quicksilver O/B applications, with gasket and o-ring	RACOR B32013
S3214	Spin-on, 10 mic, for OMC O/B applications, with gasket and o-ring	RACOR B32014
B32013	Filter with glass or metal bowl	for Quicksilver O/B applications
B32014	Filter with glass or metal bowl	for OMC O/B applications
S3227	Spin-on, 10 mic , with gasket and o-ring	RACOR 320R-RAC-01 filter assembly



**CV - OPEN CRANKCASE VENTILATION**

- Open system: the crankcase breather is connected to the Crankcase Ventilation (CV) filter assembly. The CV outlet is open to atmosphere.
- Simple to install and is an effective oil mist removal system for applications which allow crankcase venting to atmosphere.
- The only routine maintenance required for the CV system is filter replacement.



Filter Assembly Type	CV4501	CV6001	CV8001	CV12001
Max Flow Rate	10 CFM (283 LM)	20 CFM (566 LM)	40 CFM (1133 LM)	50 CFM (1416 LM)
Max Engine Rate	400 HP (298 KW)	800 HP (597 kw)	1600 HP (1193 kw)	2000 HP (1491 kw)
Weight	3.3 lbs (1.5 kg)	5.0 lbs (2.3 kg)	8.7 lbs (3.9 kg)	9.3 lbs (4.2 kg)
High Density Filter Replacement	CCV55248-08	CCV55274-08	CCV55222-08	CCV55222-12-08
Housing Material	Steel housing with epoxy powder coating			

CFM= cubic feet per minute

**CCV - CLOSED CRANKCASE VENTILATION**

- CCV filter assemblies provide coalescing and separation of oil mist particles, soot, and liquid volatiles created during the combustion process.
- They guarantee superior oil coalescence and crankcase pressure control under the most severe conditions.
- The only routine maintenance required for the Racor Crankcase Ventilation Filter System is filter replacement.



Filter Assembly Type	CCV1500	CCV3500	CCV4500	CCV6000	CCV8000	CCV12000
Max Flow Rate	1 CFM (28 LM)	3 CFM (85 LM)	10 CFM (283 LM)	20 CFM (566 LM)	40 CFM (1133 LM)	50 CFM (1416 LM)
Max Engine Rate	40 HP (30 kw)	175 HP (130 kw)	400 HP (298 kw)	800 HP (597 kw)	1600 HP (1193 kw)	2000 HP (1491 kw)
Weight	1.5 lbs (0.7 kg)	2.3 lbs (1.0 kg)	3.3 lbs (1.5 kg)	5.0 lbs (2.3 kg)	8.7 lbs (3.9 kg)	9.3 lbs (4.2 kg)
Low Density Filter Replacement	CCV55365-04	N/A	CCV55248-04	N/A	N/A	N/A
High Density Filter Replacement	N/A	CCV55304-08	CCV55248-08	CCV55274-08	CCV55222-08	CCV55222-12-08
Ultra Density Filter Replacement	N/A	N/A	CCV55248-10	CCV55274-10	CCV55222-10	CCV55222-12-10
Housing Material	Glass-filled nylon and black powder epoxy-coated steel bracket	Glass-filled nylon components	Die cast head. Glass-filled nylon and black powder epoxy-coated steel bowl			

CFM= cubic feet per minute

**REPLACEMENT FILTERS**



For additional technical data inquire at [technical@mansuetomarine.it](mailto:technical@mansuetomarine.it)  
CV and CCV assemblies replacement parts such as hose and fitting kits, head and can assemblies, diaphragm kit, drain/check valve kit available on request.



How to order the correct item:

MM YAN + ITEM CODE



FUEL FILTERS	OIL FILTERS	AIR FILTERS
104300-55790	104271-35130	119195-18880
104500-55710	119005-35100	119593-18880-01
119773-55510	119305-35151	120650-12510
120270-55101	119593-35100	120660-12510
120650-55040	119770-90620	124411-12510
121857-55710	123672-35151	124770-12540
124220-35210	124411-35150	127692-18880
127695-55630	124550-35110	128170-12540
129100-55650	127695-35150	128270-12540
129470-55601	129150-35152	129470-12330
129470-55702	165000-24990	165000-24950
129574-55711	165000-34510	165000-48740
165000-34500	165000-69520	940467-10400
41650-502320	165000-69590	XN199611-01



How to order the correct item:

MM VLV + ITEM CODE



FUEL FILTERS	OIL FILTERS	AIR FILTERS
21492771	21632901	21379288
31261191	30788490	21702999
3583443	3517857	3580509
3817517	35682732	3582358
3840335	3581621	3825038
829913	3582732	876185
861477	3583443	858488
864315	3827069	21171277
21139810	423135	3618541
3809721	466634	876185
3851218	471034	842280
860874	477556	3580509
829913	478736	821369
21718912	834337	21196919

+39 335 5785225

+39 339 6709546

+39 0184 573346 press #3



How to order the correct item:

MM MTU + ITEM CODE



FUEL FILTERS	OIL FILTERS	AIR FILTERS
0020921901	0001846026	0180941002
0023530652	0031845201	0180941402
8695860258	0031845301	0180944502
X00012879	4021800009	8690940016
0020922801	5241800110	0170941202



How to order the correct item:

MM YAM + ITEM CODE



FUEL FILTERS	OIL FILTERS	AIR FILTERS
65L-24563-00	5GH-13440-00	62T-14451-00
6K8-24560-10	5GH-13440-20	6D3-14451-00
2E1-14000-0	F0D-6775C-01	655-E4451-00
2W1-14000-0	3FV-13440-00-00	5ST-54806-00-00



KITS AND FILTERS FOR CAT ENGINES

	Code	Description
	MM AIS 1000880	Field Air Filter Service Kit (C30-C32) - Air Filters Only
	MM AIS 1000821	Field Service Kit - (C30-C32) 12" Coalescer Kit Only
	MM AIS 1000858	Filter Covers - Oil (Stainless Steel) CAT
	MM AIS 1000859	Filter Covers - Fuel (Stainless Steel) CAT
	MM AIS KWCEC9-1 (250KW)	AIRSEP Kit (CCE), Marine Genset- Caterpillar C9





Model	Element			Lid Gasket
	Part Number	Description	Dimensions	
SWK-2000/5	MM SEP 00510	10 micron	3" x 3" 1/8 x 1" 3/16 76 x 79 x 30 mm	MM SEP 10367
	MM SEP 00530	30 micron		
	MM SEP 00560S	60 micron stainless		
SWK-2000/5/50	MM SEP 00510/50	10 micron	3" 3/16 x 3" 1/4 x 2" 1/8 81 x 82 x 54 mm	MM SEP 10367
	MM SEP 00530/50	30 micron		
	MM SEP 00560/50S	60 micron stainless		
SWK-2000/10	MM SEP 01010	10 micron	3" 1/2 x 3" 5/8 x 2" 1/8 89 x 92 x 54 mm	MM SEP 10362
	MM SEP 01030	30 micron		
	MM SEP 01060S	60 micron stainless		
SWK-2000/18	MM SEP 01810	10 micron	5" 13/16 x 5" 7/8 x 2" 1/8 148 x 149 x 54 mm	MM SEP 30421
	MM SEP 01830	30 micron		
	MM SEP 01860S	60 micron stainless		
SWK-2000/40	MM SEP 04010	10 micron	7" 11/64 x 7" 11/64 x 2" 182 x 182 x 51 mm	MM SEP 30440
	MM SEP 04030	30 micron		
	MM SEP 04060S	60 micron stainless		
SWK-2000/130	Requires per filter			
	MM SEP 01810	10 micron	5" 13/16 x 5" 7/8 x 2" 1/8 148 x 149 x 54 mm	MM SEP 30387
	MM SEP 01830	30 micron		
	MM SEP 01860S	60 micron stainless		

**FILTER ELEMENT FOR SWK-2000-10**



Code	Version
MM SEP 5801010	10 Micron
MM SEP 5801030	30 Micron
MM SEP 580103001	30 Micron Stainless Steel
MM SEP 5801060	60 Micron Stainless Steel

**FILTER ELEMENT FOR SWK-2000-18 AND SWK-2000-130**



Code	Version
MM SEP 5901810	10 Micron
MM SEP 5901830	30 Micron
MM SEP 5901860	60 Micron Stainless Steel

**FILTER ELEMENT FOR SWK-2000-40**



Code	Version
MM SEP 6004010	10 Micron
MM SEP 6004030	30 Micron
MM SEP 6004060	60 Micron Stainless Steel

**FILTER ELEMENT FOR SWK-2000-5**



Code	Version
MM SEP 5600510	10 Micron
MM SEP 5600530	30 Micron
MM SEP 5600560	60 Micron Stainless Steel

**FILTER ELEMENT FOR SWK-2000-5-50**



Code	Version
MM SEP 570051050	10 Micron
MM SEP 570053050	30 Micron
MM SEP 570056050	60 Micron Stainless Steel

**KWA-100 FILTER ELEMENT**



Code	Version
MM SEP 7120210	10 Micron
MM SEP 7120230	30 Micron



**KWA-20 FILTER ELEMENT**



Code	Version
MM SEP 712053	30 Micron

**KWA-50 FILTER ELEMENT**



Code	Version
MM SEP 7120110	10 Micron
MM SEP 7120130	30 Micron

**KWA-90 FILTER ELEMENT**



Code	Version
MM SEP 7120430	30 Micron

**SEPAR FILTERS SPARE PARTS available:**  
seals, gaskets, fittings, drain valves, sensors, other.



**FILTER MEDIA ROLLS**



- Applications: Pre-filtration in air handling units, spraybooth ventilation and similar
- Media: synthetic / fiberglass
- EN 779:2002 efficiency: synthetic G3/G4 (CP) – F5 (CO) / fiberglass: G3
- Arrestance efficiency: synthetic 90% (CP) – 96% (CO) / fiberglass: 85%
- Temperature: synthetic 70°C (CP) – 100°C (CO) / fiberglass 100°C

Code	Product ID	Type	Application	Media Filter	Dimensions (LxH) mm	EN 779:2002 Efficiency	Surface m <sup>2</sup>	Thickness mm	Weight kg
MM CMF ROLCP100	ROLCP100	Synthetic	Pre-filtration	CP100	0,80 x 20	G3	16	10	3,5
MM CMF ROLCP150120	ROLCP150	Synthetic	Pre-filtration	CP150	1x20	G3	20	15	4,0
MM CMF ROLCP150220	ROLCP150	Synthetic	Pre-filtration	CP150	2x20	G3	40	15	8,0
MM CMF ROLCP250120	ROLCP250	Synthetic	Pre-filtration	CP250	1x20	G4	20	20	5,5
MM CMF ROLCP250220	ROLCP250	Synthetic	Pre-filtration	CP250	2x20	G4	40	20	8,5
MM CMF ROLCO600R	ROLCO600R	Synthetic	Painting	CO600R	2x20	F5	40	20	24,0
MM CMF ROLCS600M	ROLCS600M	Synthetic	Painting	CO600M	2x20	F5	40	20	24,0
MM CMF ROLCPS50/S/O	ROLCPS50/S/O	Fibreglass	Painting	CPS50	2x20	G3	40	50	9,2
MM CMF ROLCPS100/S/O	ROLCPS100/S/O	Fibreglass	Painting	CPS100	2x20	G3	40	100	13,5

Pre-cut pads tailor-made to meet specific applications and needs available on demand.

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**WOUND SEDIMENT CARTRIDGES, FA SERIES**



**Tech specs**

Raw material: 100% PP\*  
 Core: 100% PP\*  
 End caps: DOE\*  
 Int.Ø: 28 mm  
 Ext.Ø: 61 mm  
 Efficiency: 80%  
 Max working pressure: 6 bar  
 Max differential pressure: 0,8 bar  
 Max working temperature: 80°C

**Applications**

Water treatment, electronic/nuclear, biotechnology/fine chemicals, food/beverage coatings/resins, general/industrial, petrochemicals, galvanic, bulk chemicals

Code	Micron	Length	Code	Micron	Length	Code	Micron	Length
MM AUA A4010090	1	5"	MM AUA A4010280	10	9"¾	MM AUA A4010470	50	20"
MM AUA A4010100	3	5"	MM AUA A4010290	20	9"¾	MM AUA A4010480	100	20"
MM AUA A4010110	5	5"	MM AUA A4010300	30	9"¾	MM AUA A4010490	1	30"
MM AUA A4010120	10	5"	MM AUA A4010310	50	9"¾	MM AUA A4010500	3	30"
MM AUA A4010130	20	5"	MM AUA A4010320	100	9"¾	MM AUA A4010510	5	30"
MM AUA A4010140	30	5"	MM AUA A4010330	1	10"	MM AUA A4010520	10	30"
MM AUA A4010150	50	5"	MM AUA A4010340	3	10"	MM AUA A4010530	20	30"
MM AUA A4010160	100	5"	MM AUA A4010350	5	10"	MM AUA A4010540	30	30"
MM AUA A4010170	1	7"	MM AUA A4010360	10	10"	MM AUA A4010550	50	30"
MM AUA A4010180	3	7"	MM AUA A4010370	20	10"	MM AUA A4010560	100	30"
MM AUA A4010190	5	7"	MM AUA A4010380	30	10"	MM AUA A4010570	1	40"
MM AUA A4010200	10	7"	MM AUA A4010390	50	10"	MM AUA A4010580	3	40"
MM AUA A4010210	20	7"	MM AUA A4010400	100	10"	MM AUA A4010590	5	40"
MM AUA A4010220	30	7"	MM AUA A4010410	1	20"	MM AUA A4010600	10	40"
MM AUA A4010230	50	7"	MM AUA A4010420	3	20"	MM AUA A4010610	20	40"
MM AUA A4010240	100	7"	MM AUA A4010430	5	20"	MM AUA A4010620	30	40"
MM AUA A4010250	1	9"¾	MM AUA A4010440	10	20"	MM AUA A4010630	50	40"
MM AUA A4010260	3	9"¾	MM AUA A4010450	20	20"	MM AUA A4010640	100	40"
MM AUA A4010270	5	9"¾	MM AUA A4010460	30	20"			



**WOUND SEDIMENT CARTRIDGES, FA AQUA BIG SERIES**



**Tech specs**

Raw material: 100% PP\*  
 Core: 100% PP\*  
 End caps: DOE\*  
 Int.Ø: 28-38 mm  
 Ext.Ø: 114 mm  
 Efficiency: 80%  
 Max working pressure: 6 bar  
 Max differential pressure: 0,8 bar  
 Max working temperature: 80°C

**Applications**

same as cartridges FA series

Code	Micron	Length	Code	Micron	Length	Code	Micron	Length
MM AUA A4010780	1	9"¾	MM AUA A4010900	1	20"	MM AUA A4011740	1	30" ø 38mm
MM AUA A4010650	5	9"¾	MM AUA A4010700	5	20"	MM AUA A4011750	5	30" ø 38mm
MM AUA A4010770	10	9"¾	MM AUA A4011410	10	20"	MM AUA A4011760	10	30" ø 38mm
MM AUA A4010660	20	9"¾	MM AUA A4010710	20	20"	MM AUA A4011770	20	30" ø 38mm
MM AUA A4011400	50	9"¾	MM AUA A4010890	50	20"	MM AUA A4011780	50	30" ø 38mm
MM AUA A4011200	100	9"¾	MM AUA A4011140	100	20"	MM AUA A4011790	100	30" ø 38mm



**MELT BLOWN SEDIMENT CARTRIDGES, FR-N SERIES**



**Tech specs**

Raw material: 100% PP\*  
 Core: 100% PP\*  
 End caps: DOE\*  
 Int.Ø: 28 mm  
 Ext.Ø: 63 mm  
 Efficiency: 95%  
 Max working pressure: 6 bar  
 Max differential pressure: 0,8 bar  
 Max working temperature: 80°C

**Applications**

For end-line filtration or pre-filtration  
 Water treatment, electronic/nuclear, biotechnology/fine chemicals, food/beverage coatings/resins, general/industrial, pharmaceutical/cosmetics, petrochemicals, galvanic, bulk chemicals

Code	Micron	Length	Code	Micron	Length	Code	Micron	Length
MM AUA A4240090	1	5"	MM AUA A4240330	1	10"	MM AUA A4240490	1	30"
MM AUA A4240100	3	5"	MM AUA A4240340	3	10"	MM AUA A4240500	3	30"
MM AUA A4240110	5	5"	MM AUA A4240350	5	10"	MM AUA A4240510	5	30"
MM AUA A4240120	10	5"	MM AUA A4240360	10	10"	MM AUA A4240520	10	30"
MM AUA A4240130	20	5"	MM AUA A4240370	20	10"	MM AUA A4240530	20	30"
MM AUA A4240140	30	5"	MM AUA A4240380	30	10"	MM AUA A4240540	30	30"
MM AUA A4240150	50	5"	MM AUA A4240390	50	10"	MM AUA A4240550	50	30"
MM AUA A4240160	90	5"	MM AUA A4240400	90	10"	MM AUA A4240560	90	30"
MM AUA A4240250	1	9"¾	MM AUA A4240410	1	20"	MM AUA A4240570	1	40"
MM AUA A4240260	3	9"¾	MM AUA A4240420	3	20"	MM AUA A4240580	3	40"
MM AUA A4240270	5	9"¾	MM AUA A4240430	5	20"	MM AUA A4240590	5	40"
MM AUA A4240280	10	9"¾	MM AUA A4240440	10	20"	MM AUA A4240600	10	40"
MM AUA A4240290	20	9"¾	MM AUA A4240450	20	20"	MM AUA A4240610	20	40"
MM AUA A4240300	30	9"¾	MM AUA A4240460	30	20"	MM AUA A4240620	30	40"
MM AUA A4240310	50	9"¾	MM AUA A4240470	50	20"	MM AUA A4240630	50	40"
MM AUA A4240320	90	9"¾	MM AUA A4240480	90	20"	MM AUA A4240640	90	40"



**AQUA BIG HOUSING ACCESSORIES**



A6010090



PN020100



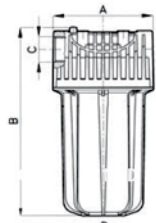
A6012080

Code	Description
MM AUA A6010090	Plastic filter housing spanner
MM AUA PN020100	Single metal bracket
MM AUA A6012080	Diffuser tube 9"¾

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**AQUA BIG CARTRIDGE HOUSINGS**



D: 75  
E: 76  
F: Ø7

**Tech specs**

Head: PP\* without brass inserts  
Sump: clear SAN\* / blue PP\*  
O-Ring: silicone  
Max working pressure: 8 bar  
Max burst pressure: 35 bar  
Working temperature: 0°C +50°C min/max  
Capacity (empty) at 2 bar: 1" 106,98 lt/min – 1" ½ 194,48 lt/min  
Life test: 200.000 cycles 0-10 bar



AQUA BIG HOUSING – OPAQUE BLUE PP SUMP			
Code	Height	Inlet/Outlet (C)	Dimensions (AxB) mm
MM AUA A1050180	9"¾	1"	185x343
MM AUA A1050240	9"¾	1"½	185x353
MM AUA A1050170	20"	1"	185x615
MM AUA A1050160	20"	1"½	185x625
MM AUA A1050290	30"	1"½	185x878

AQUA BIG HOUSING – CLEAR SAN SUMP			
Code	Height	Inlet/Outlet (C)	Dimensions (AxB) mm
MM AUA A1050120	9"¾	1"	185x343
MM AUA A1050130	9"¾	1"½	185x353
MM AUA A1050140	20"	1"	185x615
MM AUA A1050150	20"	1"½	185x625
MM AUA A1050340	30"	1"½	185x878



**GRANULAR ACTIVE CARBON CARTRIDGES**



CA-POST20 Series CA-POST20 Blue Series

**Tech specs**

Filter media: G.A.C.  
Pre filter: PES\*  
Post filter: PES\*  
Post filter: 20 micron  
Out Cage : PST\*/PP\*  
End caps : SOE\*-PST\*  
O-Ring/gasket: NBR\*  
Int.Ø: 27 mm  
Ext.Ø: 72 mm  
Efficiency: 75%  
Max working pressure: 6 bar  
Max differential pressure: 0,8 bar  
Max working temperature: 50°C

**Applications**

For pre-filtration or post-filtration  
Water treatment, food/beverage

CA-POST20 Series		
Code	Micron	Length
MM AUA A4120010	20	5"
MM AUA A4120020	20	7"
MM AUA A4120030	20	9"¾
MM AUA A4120040	20	20"

CA-POST20 Blue Series		
Code	Micron	Length
MM AUA A4120050	20	5"
MM AUA A4120060	20	7"
MM AUA A4120070	20	9"¾
MM AUA A4120080	20	20"



**CALYPSO BLUE CARTRIDGES PREMIUM SERIES**



**Tech specs**

Pleated design for more surface area  
For Big-Blue filter housings  
NSF 61 certified  
Cleanable and reusable  
Nominal micron ratings: 0.35, 1, 5, 20, 50 mic  
Filter media: Polyester Plus™ (media manufactured for Harmsco only)  
Center tubes: polypropylene  
End caps: pliable PVC with sealing surface built in  
Shrink wrap: standard on all Premium Calypso cartridges  
Temperature: up to 60°C (140°F)

**Applications**

Reverse Osmosis Pre-filtration  
Industrial Water Filtration  
Drinking Water Filtration  
Desalination Pre-filtration  
Cooling Tower Filtration  
Chill Water Loop Filtration  
Food & Beverage Filtration

Code	Nominal Micron Rating	Max Flow Rate (GPM)	Length	Outside Ø
MM HAR HB100.35W	0.35	12	9-¾"	4-½"
MM HAR HB101W	1	12	9-¾"	4-½"
MM HAR HB105W	5	12	9-¾"	4-½"
MM HAR HB1020W	20	12	9-¾"	4-½"
MM HAR HB1050W	50	12	9-¾"	4-½"
MM HAR HB200.35W	0.35	26	20"	4-½"
MM HAR HB201W	1	26	20"	4-½"
MM HAR HB205W	5	26	20"	4-½"
MM HAR HB2020W	20	26	20"	4-½"
MM HAR HB2050W	50	26	20"	4-½"

**\*LEGEND**

PP = polypropylene  
PST = Polystyrene  
SAN = Styrene Acrylonitrile

DOE = Double Open End  
SOE = Single Open End

PES = Polyester  
NBR = Nitrile bunarubber

**PLEATED CELLULOSE CARBON BLOCK WASHABLE NET STAINLESS STEEL RESIN**



filter cartridges of different sizes and micron also available.

**WE DISTRIBUTE THE FULL RANGE OF FILTER ELEMENTS, CARTRIDGES, HOUSINGS, POOL AND SPA FILTERS OF THE MOST RELIABLE BRANDS**





## WATERMAKERS



### MINI COMPACT JUNIOR - HORIZONTAL



Code	Model	Hourly production at 25°C Litres	Daily production at 25°C Litres	Output salinity ppm	Electrical power Kw	Total weight Kg	Overall dimensions* WxDxH mm	Hydraulic connections			
								Sea intake	Tank intake	Outboard outlet	Water produced
MM IDR MC1JH	MC1J	65	1500	400	1,5	55	850-400-350	3/4"	3/4"	3/4"	1/2"
MM IDR MC2JH	MC2J	130	3100	400	1,5	70	850-400-350	3/4"	3/4"	3/4"	1/2"
MM IDR MC3JH	MC3J	180	4300	400	1,5	85	850-400-350	3/4"	3/4"	3/4"	1/2"

\* The dimensions do not include the membrane. They build systems tailored to the available space.



### MINI COMPACT JUNIOR - VERTICAL



Code	Model	Hourly production at 25°C Litres	Daily production at 25°C Litres	Output salinity ppm	Electrical power Kw	Total weight Kg	Overall dimensions* WxDxH mm	Hydraulic connections			
								Sea intake	Tank intake	Outboard outlet	Water produced
MM IDR MC1JV	MC1J	65	1500	400	1,5	55	350-350-700	3/4"	3/4"	3/4"	1/2"
MM IDR MC2JV	MC2J	130	3100	400	1,5	70	350-350-700	3/4"	3/4"	3/4"	1/2"
MM IDR MC3JV	MC3J	180	4300	400	1,5	85	350-350-700	3/4"	3/4"	3/4"	1/2"

The membrane and the preload pump dimensions are excluded from the dimension specified.



### MINI COMPACT JUNIOR - DUPLEX



Code	Model	Hourly production at 25°C Litres	Daily production at 25°C Litres	Output salinity ppm	Electrical power Kw	Total weight Kg	Overall dimensions* WxDxH mm	Hydraulic connections			
								Sea intake	Tank intake	Outboard outlet	Water produced
MM IDR MC2JD	MC2	260	6240	400	3	180	700-480-700	3/4"	1/2"	1/2"	1/2"
MM IDR MC3JD	MC3	360	8600	400	3	200	700-480-700	3/4"	1/2"	1/2"	1/2"

\* The dimensions do not include the membrane. They build systems tailored to the available space.



### MINI COMPACT JUNIOR - MINI SAIL KIT



Code	Model	Hourly prod. at 25°C Litres	Daily prod. at 25°C Litres	Output salinity ppm	Electrical power Kw	Total weight Kg	Overall dimensions* WxDxH mm			Hydraulic connections			
							Preload pump	Main body	Electric panel	Sea intake	Tank intake	Outboard outlet	Water produced
MM IDR MSK6	MSK6	65	1560	300	1,5	70	400-170-170	550-200-320	300-160-220	3/4"	1/2"	1/2"	3/8"
MM IDR MSK10	MSK10	100	2400	300	1,5	90	400-170-170	550-200-320	300-160-220	3/4"	1/2"	1/2"	3/8"
MM IDR MSK13	MSK13	130	3100	300	1,5	90	400-170-170	550-200-320	300-160-220	3/4"	1/2"	1/2"	3/8"
MM IDR MSK18	MSK18	180	4300	300	1,5	100	400-170-170	550-200-320	300-160-220	3/4"	1/2"	1/2"	3/8"

\* The dimensions do not include the membrane. They build systems tailored to the available space.



### MINI COMPACT SENIOR - HORIZONTAL



Code	Model	Hourly production at 25°C Litres	Daily production at 25°C Litres	Output salinity ppm	Electrical power Kw	Total weight Kg	Overall dimensions* WxDxH mm	Hydraulic connections			
								Sea intake	Tank intake	Outboard outlet	Water produced
MM IDR MC5SH	MC5S	250	6000	400	4	120	895-480-550	1"	1/2"	1/2"	1/2"
MM IDR MC9SH	MC9S	375	9000	400	6	140	975-480-550	1"	3/4"	1"	1/2"
MM IDR MC12SH	MC12S	500	12000	400	6	155	975-480-550	1"	3/4"	1"	1/2"
MM IDR MC15SH	MC15S	625	15000	400	9	220	975-480-550	1"	3/4"	1"	1/2"

\* The dimensions do not include the membrane. They build systems tailored to the available space.



### MINI COMPACT SENIOR - DUPLEX



Code	Model	Hourly production at 25°C Litres	Daily production at 25°C Litres	Output salinity ppm	Electrical power Kw	Overall dimensions* WxDxH mm
MM IDR MC5SD	MC5DX	500	12000	400	8	700-500-900
MM IDR MC9SD	MC9DX	750	18000	400	12	900-500-900
MM IDR MC12SD	MC12DX	1000	24000	400	12	900-500-900
MM IDR MC15SD	MC15DX	1250	30000	400	18	800-600-1000

\* The dimensions do not include the membrane. They build systems tailored to the available space.



**TOP COMPACT SENIOR - HORIZONTAL**



Code	Model	Hourly production at 25°C Litres	Daily production at 25°C Litres	Output salinity ppm	Electrical power Kw	Total weight Kg	Overall dimensions* WxDxH mm	Hydraulic connections			
								Sea intake	Tank intake	Outboard outlet	Water produced
MM IDR TCMC20SH	MC20	830	20000	400	12	410	1200-900-900	1"	1"	1"	1/2"
MM IDR TCMC30SH	MC30	1250	30000	400	18	700	1600-1100-1100	1"	1"	1"	1/2"
MM IDR TCMC40SH	MC40	1666	40000	400	18	800	1600-1000-1100	2"	2"	2"	3/4"

\*The above figures don't include membrane dimensions. To meet your requirements, made-to-measure plants are available.



**TOP COMPACT SENIOR - DUPLEX**



Code	Model	Hourly production at 25°C Litres	Daily production at 25°C Litres	Output salinity ppm	Electrical power Kw	Overall dimensions* WxDxH mm
MM IDR TC20SD	MC20DX	1660	39840	400	24	2200-1100-1800
MM IDR TC30SD	MC30DX	2500	60000	400	36	2200-1100-1800
MM IDR TC40SD	MC40DX	3333	80000	400	36	2200-1100-1800

\* The above figures don't include membrane dimensions. To meet your requirements, made-to-measure plants are available.

ppm = parts per million

**WET SPOT**

**WATER SOFTENERS – WASHDOWN SYSTEMS**



**PLUS**

For boats up to 70\*



**HEAVY DUTY**

For boats up to 70'-100\*\*



**SUPER**

For boats 100' and up\*

\*Depending on water hardness and usage

Code	Model	Dimensions (L x W x H)	Weight (dry)	Capacity (approx.)	Capability	Common Feature	Accessories Included
MM WSP PLUS	Plus	34"x7.5"x10.5"	35 lbs	.7 cf	2500 gal @ 6 gpm of 4gr hard water	Content chlorine resistant 8% crosslink ion exchange resin	No.1 long 30" service hose No.1 short 8" recharge hose No.1 softwater test kit No.1 re-usable recharger
MM WSP HD	Heavy Duty	39"x7.25"x10.5"	45 lbs	.7 cf	3500 gal @ 6 gpm of 4gr hard water		
MM WSP SUPER	Super	45"x7.5"x10.5"	30 lbs	.7 cf	5500 gal @ 6 gpm of 4gr hard water		



**POOL & WATER COMPLEMENTS**

**BAYROL**

**PH-MINUS - PH CONTROL**



Fast-dissolving acid granules of high chemical purity for lowering the pH.

Code	Sizes
MM BAY 5594412	2 kg pack (4x500gr bags)
MM BAY 5594112	6 kg pail
MM BAY 5594114	18 kg pail
MM BAY 5594118	35 kg pail

**PH-PLUS – PH CONTROL**



Fast-dissolving alkaline powder with stabilizing effect for raising the pH.

Code	Sizes
MM BAY 5594812	1,5 kg pack (3x500gr bags)
MM BAY 5594815	5 kg pail

**AQUABROME® TABLETS – WATER DISINFECTION**



Slow-dissolving bromine tablets (20 g) for enduring and additional disinfection, for all degrees of water hardness. Bromine is gentle water care with hardly any smell.

Code	Sizes
MM BAY 4139335	5 kg pail

**PH-MINUS LIQUID - PH CONTROL**



Concentrated agent for continuous lowering of the pH with automatic measuring and control technology.

Code	Sizes
MM BAY 5594314	25 kg canister
MM BAY 5594315	35 kg canister

**PH-PLUS LIQUID - PH CONTROL**



Highly concentrated liquid alkali-based product for continuous raising of the pH with automatic measuring and control technology.

Code	Sizes
MM BAY 5594766	25 kg canister

**AQUABROME® REGENERATOR – WATER DISINFECTION**



Fast-dissolving oxygen-based disinfectant which can be added straight into the pool as it does not leave any residues. It regenerates the used bromine. It converts the bromide (used bromine) back into active bromine.

Code	Sizes
MM BAY 4132932	1,25 kg pack



**BAYROL**

**BAYROSHOCK – WATER DISINFECTION**



Chlorine-free shock treatment for the swimming pool. Active oxygen liquid product with an immediate effect against water turbidity, the growth of algae and the formation of decay. It reacts quickly and decomposes without residue.

Code	Sizes
MM BAY 5532285	5 lt canister

**DESALGINE® - ALGAE PREVENTION**



Liquid algicide concentrate against all kinds of algae. Clears water. Very low in foam and pH-neutral. Free of chlorine and heavy metals.

Code	Sizes
MM BAY 5541112	1 lt bottle
MM BAY 5541115	3 lt canister
MM BAY 5541113	6 lt canister
MM BAY 5541114	10 lt canister

**SUPERFLOCK PLUS – FLOCCULATION**



Flocculant cartridges for a long-lasting action. They remove cloudiness efficiently in pools with sand filters. The cartridges are simply placed into the skimmer, where over several days they continually release flocking agent into the water. The product also helps to prevent algae from growing thanks to its new formulation.

Code	Sizes
MM BAY 5595292	1 kg box (8 cartridges)

**BAYROSOFT® – WATER DISINFECTION**



Active oxygen combination product for chlorine-free disinfection and algae prevention (foam free) for dosage systems. Also contains a hardness stabilizer to combat lime precipitation.

Code	Sizes
MM BAY 5532246	22 kg canister

**DESALGINE® C - ALGAE PREVENTION**



Concentrated, long lasting liquid algicide. Contains clarifier effect. Low foaming, pH neutral.

Code	Sizes
MM BAY 5541254	10 lt canister
MM BAY 5541256	30 lt canister

**PURIPOL SUPER – WINTER CARE**



Highly concentrated liquid for winter treatment of swimming pool water. Prevents calcium precipitations and algae growth. Non foaming.

Code	Sizes
MM BAY 5543161	1 lt bottle
MM BAY 5543163	3 lt canister
MM BAY 5543168	6 lt canister



**BAYROL**

**CALCINEX – WINTER CARE**



Liquid hardness stabilizer preventing lime precipitation and deposits in swimming pools, filters and heat exchangers. Phosphate-free.

Code	Sizes
MM BAY 5518143	3 lt canister
MM BAY 5518145	10 lt canister

**BAYROSOFT® QUICKTEST - WATER ANALYSIS**



Indicator strips for determining pH and active oxygen content.

Code	Sizes
MM BAY 288015	50-strip pack

**POOLTESTER PH/CI - WATER ANALYSIS**



pH and chlorine tester with tablets.

Code	Sizes
MM BAY 287123	20-tablet pack/test kit
MM BAY 287124	Tablet refill pack (2x30 tablets)



**J-MX 07 – WHIRPOOL DISINFECTANT**



Rapid and persistent disinfectant at wide range of action. Active against bacteria, fungus and mildew. It takes the grease off, cleans and deodorizes. Not inflammable; it doesn't stain; formula at control foam.

Code	Sizes
MM JAC JMX07	500ml bottle

**POOLTESTER PH/O<sup>2</sup> - WATER ANALYSIS**



Tablets for pH and active oxygen analysis.

Code	Sizes
MM BAY 287988	20-tablet pack/test kit
MM BAY 287132	Tablet refill pack (2x30 tablets)

**QUICKTEST – WATER ANALYSIS**



Indicator strips for determining pH and chlorine

Code	Sizes
MM BAY 288008	50-strip pack

**POOLTESTER PH/BR - WATER ANALYSIS**



pH and bromine tester with tablets.

Code	Sizes
MM BAY 287126	20-tablet pack/test kit
MM BAY 287124	Tablet refill pack (2x30 tablets)



**CLARITY – FRESH AND SALTWATER CLARIFIER**



It employs an advanced polymeric flocculating agent that is both reef and plant safe. It clears all types of clouding.

Code	Sizes
MM SCH 08004	250ml bottle

## MULTI PURPOSE HIGH QUALITY COTTON RAGS



Code	Description
MM MANSU RAG5	White Cotton Rags 5 KG Bag
MM MANSU RAG10	White Cotton Rags 10 KG Bag

## WATER SOFTENER SALT



Code	Description
MM BOR SALE	Water Softener Salt Tabs - 25 KG Bag

## LIQUID CHLORINE – WATER DISINFECTION



Liquid disinfectant for continuous chlorination.  
Sodium hypochlorite 14,5/15,5 % - suitable for Hamann systems.  
Also available in higher or lower concentration of sodium hypochlorite.

Code	Sizes
MM BNZ CHLOR5	5 lt canister
MM BNZ CHLOR10	10 lt canister
MM BNZ CHLOR20	20 lt canister
MM BNZ CHLOR25	25 lt canister

Sodium hypochlorite is also supplied in tablets and granular form.

## HADEX®

## DRINKING WATER DISINFECTANT



Food grade drinking water disinfectant in tanks and piping.  
Sodium hypochlorite <5%  
Sizes: 2.5, 10 and 25 lt polycans.

Code: MM HDX + size

It can be dosed both manually and automatically. Hadex automatic dosing unit available on request.  
Contact us for dosing information.

Yachticon  
Just good care

## AQUA CLEAN-STERILIZER



It sterilizes and preserves fresh water in the tanks for up to 6 months. Chlorine free  
Solution: 1:10.000. Each bottle sterilizes 1000 litres of water.

Code	Sizes
MM OSC 5219300	100ml bottle

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