



Aquionics
Technologies

**FILTRATION
SOLUTIONS**
2020-2021



#1 In Sustainable Solutions For Filtration

www.aquionics.net

Domestic Filtration Solutions



PFS 100
PFS 150
PFS 250

FILTRATION SETS

Integrated pump and filter set complete with fibreglass base and plumbing

PLECO FILTRATION SETS

Pleco Filtration Sets are designed and engineered for ease of installation and targeted at the home developer market. Tough, good performance and economically priced for domestic pools.

FILTER	DIAMETER (mm)	PUMP	FLOW (lpm)	POOL SIZE (litres)	ACCESSORIES
PLECO PT100	400	KRIPSOL NK33	115	35,000	FRP Moulded Base Rigid Connecting Pipe
PLECO PT150	500	KRIPSOL OK33	140	45,000	FRP Moulded Base Rigid Connecting Pipe
PLECO PT250	650	KRIPSOL OK51	165	50,000	FRP Moulded Base Rigid Connecting Pipe

PLECO SAND FILTERS

Pleco Sand Filters are designed and engineered for sustained operation and targeted at the home pool and spa market. Tough, good performance and economically priced for domestic pools.

MODEL	PT100	PT150	PT250	PT350	PT500	PT600	PT800
MAX FLOW (lpm)	100	150	250	350	500	600	800
FILTER AREA (m ²)	0.15	0.2	0.35	0.4	0.65	0.8	1.05
DIAMETER (mm)	400	500	650	750	900	1000	1200
HEIGHT (mm)	620	750	850	1050	1250	1350	1550
SAND MEDIA (kg)	50	80	150	250	300	400	650
PFM MEDIA (kg)	30	50	100	125	200	250	400
MPV LOCATION	TOP	TOP	TOP	TOP	TOP	TOP	TOP
MPV PORTS (mm)	40	40	40	40	50	50	50



SAND FILTERS

Tough filament-wound tank reliable thermoplastic MPV



CARTRIDGE FILTERS

Washable polyester cartridge low maintenance

PLECO CARTRIDGE FILTERS

Pleco Cartridge Filters are cost-economical and low maintenance. Tough, guaranteed performance for domestic pools.

MODEL	PC25	PC40	PC50	PC75	PC100
MAX FLOW (lpm)	165	200	250	300	350
FILTER AREA (m ²)	2.4	3.6	4.8	7.2	9.8
DIAMETER (mm)	250	250	250	250	250
HEIGHT (mm)	430	530	630	730	830
INLET/OUTLET PORTS (mm)	40	40	40	40	40

Commercial Filtration Solutions

Micra Series permanent media filters are engineered for reliability and sustainability, with tough filament-wound construction setting a new standard in design and value. Available with top-mount MPV (Micra MT Series) and side-mount MPV (Micra MS Series).

Johor Series permanent media filters offer an attractive hi-gloss finish while maintaining reliability and sustainability, surpassing all other filters of this type of construction. Available with top-mount MPV (Johor JT Series) and side-mount MPV (Johor JS Series).



MICRA MT SERIES
Tough filament-wound tank with reliable top-mount MPV

MICRA MS SERIES
Tough filament-wound tank with reliable side-mount MPV

JOHOR JT SERIES
Attractive gloss gelcoat tank with reliable top-mount MPV

JOHOR JS SERIES
Attractive gloss gelcoat tank with reliable side-mount MPV

MICRA & JOHOR SERIES PERMANENT MEDIA FILTERS

Fitted with a robust top-mounted or side-mounted multiport backwash valve. Tough, guaranteed performance for commercial applications. 3-Bar operating pressure.

MODEL	MT150 JT150 MS150 JS150	MT250 JT250 MS250 JS250	MT350 JT350 MS350 JS350	MT400 JT400 MS400 JS400	MT500 JT500 MS500 JS500	MT600 JT600 MS600 JS600	MT700 JT700 MS700 JS700	MT800 JT800 MS800 JS800	MS1000 JS1000	MS1200 JS1200	JS1500	JS1750	JS2000	JS2500
MAX FLOW (lpm)	150	250	350	400	500	600	700	800	1000	1200	1500	1750	2000	2500
FILTER AREA (m ²)	0.2	0.35	0.4	0.4	0.65	0.8	0.95	1.05	1.35	1.55	2.0	2.55	3.15	4.15
DIAMETER (mm)	500	650	750	750	900	1000	1100	1200	1300	1400	1600	1800	2000	2300
HEIGHT (mm)	750	950	1050	1100	1250	1350	1450	1550	1750	1900	2200	2450	2750	3000
SAND MEDIA (kg)	80	150	200	200	300	400	500	650	880	1080	1700	2400	3300	5000
PFM MEDIA (kg)	50	100	125	125	200	250	300	400	550	650	950	1400	1900	2900
MPV LOCATION	T/S	T/S	T/S	T/S	T/S	T/S	T/S	T/S	SIDE	SIDE	SIDE	SIDE	SIDE	SIDE
MPV PORTS (mm)	40	40	40	50	50	50	50	50	80	80	80	100	100	150

Industrial Filtration Solutions

Kedah Series permanent media filters are engineered for sustainable industrial applications, with tough filament-wound construction setting a new standard in design and value. Available with top-mount MPV (Kedah KT Series) and side-mount MPV (Kedah KS Series).

Perlis Series permanent media filters offer an attractive hi-gloss finish while maintaining reliability and sustainability, out-surpassing all other filters of this type. Available with top-mount MPV (Perlis PT Series) and side-mount MPV (Perlis PS Series).



KEDAH KT SERIES
Tough filament-wound tank with reliable top-mount MPV 5-bar rating

KEDAH KS SERIES
Tough filament-wound tank with reliable side-mount MPV 5-bar rating

PERLIS PT SERIES
Attractive gloss gelcoat tank with reliable top-mount MPV 5-bar rating

PERLIS PS SERIES
Attractive gloss gelcoat tank with reliable side-mount MPV 5-bar rating

KEDAH & PERLIS SERIES PERMANENT MEDIA FILTERS

Fitted with a robust top-mounted or side-mounted multiport backwash valve tough, guaranteed performance for industrial applications. 5-bar operating pressure.

MODEL	KT150 PT150 KS150 PS150	KT250 PT250 KS250 PS250	KT350 PT350 KS350 PS350	KT400 PT400 KS400 PS400	KT500 PT500 KS500 PS500	KT600 PT600 KS600 PS600	KT700 PT700 KS700 PS700	KT800 PT800 KS800 PS800	KS1000 PS1000	KS1200 PS1200	PS1500	PS1750	PS2000	PS2500
MAX FLOW (lpm)	150	250	350	400	500	600	700	800	1000	1200	1500	1750	2000	2500
FILTER AREA (m ²)	0.2	0.35	0.4	0.4	0.65	0.8	0.95	1.05	1.35	1.55	2.0	2.55	3.15	4.15
DIAMETER (mm)	500	650	750	750	900	1000	1100	1200	1300	1400	1600	1800	2000	2300
HEIGHT (mm)	750	950	1050	1100	1250	1350	1450	1550	1750	1900	2200	2450	2750	3000
SAND MEDIA (kg)	80	150	200	200	300	400	500	650	880	1080	1700	2400	3300	5000
PFM MEDIA (kg)	50	100	125	125	200	250	300	400	550	650	950	1400	1900	2900
MPV LOCATION	T/S	T/S	T/S	T/S	T/S	T/S	T/S	T/S	SIDE	SIDE	SIDE	SIDE	SIDE	SIDE
MPV PORTS (mm)	40	40	40	50	50	50	50	50	80	80	80	100	100	150

Deep Bed Filtration Solutions

Deep bed media filters are designed and engineered for heavy-duty, sustainable applications. Examples are high solids ground water, single-pass filtration in aquaculture and high load process water treatment. Available with 3-bar pressure rating (Sabah SS Series) and 5-bar pressure rating (Negeri NS Series).



SABAH SS SERIES

Attractive gloss gelcoat tank designed for heavy duty use 3-bar rating



NEGERI NS SERIES

Attractive gloss gelcoat tank designed for heavy duty use 5-bar rating

SABAH & NEGERI SERIES DEEP BED MEDIA FILTERS

Fitted with a robust suction plenum and side-mounted multiport backwash valve designed to handle high-load flow for water treatment processes.
Max operating pressure: Sabah Series 3 bar | Negeri Series 5 bar.

MODEL	SS300 NS300	SS400 NS400	SS500 NS500	SS650 NS650	SS800 NS800	SS1000 NS1000	SS1200 NS1200	SS1400 NS1400	SS1600 NS1600	SS2000 NS2000
MAX FLOW (lpm)	300	400	500	650	800	1000	1200	1400	1600	2000
FILTER AREA (m ²)	0.4	0.65	0.8	1.05	1.35	1.55	2.0	2.55	3.15	4.15
DIAMETER (mm)	750	900	1000	1200	1300	1400	1600	1800	2000	2300
HEIGHT (mm)	1500	1800	2000	2350	2550	2800	3200	3600	4000	4600
SAND MEDIA (kg)	500	900	1300	2000	2400	3500	6500	8200	10000	12000
PFM MEDIA (kg)	300	500	750	1100	1400	2000	3500	4400	5500	7000
MPV LOCATION	SIDE	SIDE	SIDE	SIDE	SIDE	SIDE	SIDE	SIDE	SIDE	SIDE
MPV PORTS (mm)	50	50	50	80	80	100	100	100	150	150

High-Flow Filtration Solutions

Horizontal permanent media filters are designed and engineered for continuous and sustainable fine filtration of process water. Examples are aquaculture, marine aquariums, aquatic parks, commercial swimming pools, lakes and canal systems. Available with 3-bar pressure rating (Labuan LH Series) and 5-bar pressure rating (Tuaran TH Series).



LABUAN LH SERIES

- Attractive gloss gelcoat horizontal filter
- Designed and engineered to filter large water volumes while occupying a minimal footprint in the plant room
- Filter incorporates 5-valve face backwash manifold, inspection window, full-size access hatch, nozzle plenum for balanced flow
- Maximum operating pressure 3-bar



TUARAN TH SERIES

- Attractive gloss gelcoat horizontal filter
- Designed and engineered to filter large water volumes while occupying a minimal footprint in the plant room
- Filter incorporates 5-valve face backwash manifold, inspection window, full-size access hatch, nozzle plenum for balanced flow
- Maximum operating pressure 5-bar

LABUAN & TUARAN SERIES HORIZONTAL MEDIA FILTERS

Fitted with a robust suction plenum and 5-valve face backwash manifold, inspection port, drain valve and integrated support leg. Designed to handle high velocity flow for water treatment processes.
Max operating pressure: Labuan series 3 bar | Tuaran series 5 bar.

MODEL	LH180 TH180	LH240 TH240	LH300 TH300	LH350 TH350	LH425 TH425	LH500 TH500	LH600 TH600	LH800 TH800	LH1000 TH1000	LH1200 TH1200
MAX FLOW (m ³ /hr)	180	240	300	350	425	500	600	800	1000	1200
FILTER AREA (m ²)	4.0	5.3	6.0	7.6	9.5	11.4	12.7	17.2	21.9	26.5
DIAMETER (mm)	1400	1400	1400	2000	2000	2000	2300	2300	2300	2300
LENGTH (mm)	3000	4000	5000	4000	5000	6000	6000	8000	10000	12000
HEIGHT (mm)	1765	1765	1765	2650	2650	2650	3000	3000	3000	3000
SAND MEDIA (kg)	4000	5500	7000	10000	13000	16000	20000	29000	37000	45000
PFM MEDIA (kg)	2000	2750	3500	5000	6500	8000	10000	14500	18500	22500
MPV PORTS (mm)	150	150	150	200	200	200	300	300	300	300



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