ASTRALPOOL · Sand Filters

Aster Sand Filter – High-Quality Filtration



The AstralPool Aster high-quality filtration series is a deep-bed laminated fibreglass and isophthalic resin sand filter: 0.8 m bed with the collector system, 0.6 m with the nozzle plate system. In Ø 600–900 mm it delivers 16.5–31 m³/h at 50 m³/h/m²; it works at 2.5 bar, up to 50 °C, and complies with EN 16713-1.

- Deep filter bed: 0.8 m collector, 0.6 m nozzle plate
- Single or multilayer sand, gravel, glass and anthracite combinations
- Optional Ø 200 mm sand drain manhole and vinylester lining for ozone
- 16.5 – 31 m³/h at 50 m³/h/m², max. 2.5 bar and 50 °C
- Compliant with EN 16713-1

General Specifications

Filter type	Laminated sand filter, deep bed
Body material	Isophthalic resin + fibreglass
Distribution system	Collector (0.8 m) or nozzle plate (0.6 m)
Max. working pressure	2.5 bar
Max. water temperature	50 °C
Filtration rate	50 m³/h/m²
Diameter range	Ø 600 – 900 mm
Flow rate range	16.5 – 31 m³/h
Filter media	Sand, gravel, glass or anthracite (single/multilayer)
Multiport valve	Not included (sold separately)
Standard	EN 16713-1

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Order Codes

Order code	Description	Certification
24769-0100	collector arms · bed 0.8 m · Ø 600 mm · 16.5 m³/h · 1½" connection · bare, without valve	EN 16713-1
24770-0100	collector arms · bed 0.8 m · Ø 750 mm · 21 m³/h · 2" connection · bare, without valve	EN 16713-1
10003-0100	collector arms · bed 0.8 m · Ø 900 mm · 31 m³/h · 2" connection · bare, without valve	EN 16713-1
10004	collector arms · bed 0.8 m · Ø 900 mm · 31 m³/h · 2½" connection · bare, without valve	EN 16713-1
24769FT01-110 000	nozzle plate · bed 0.6 m · Ø 600 mm · 16.5 m³/h · 1½" connection · bare, without valve	EN 16713-1
24770FT01-110 000	nozzle plate · bed 0.6 m · Ø 750 mm · 21 m³/h · 2" connection · bare, without valve	EN 16713-1
10003FT01-110 000	nozzle plate · bed 0.6 m · Ø 900 mm · 31 m³/h · 2" connection · bare, without valve	EN 16713-1
10004FT01-110 000	nozzle plate · bed 0.6 m · Ø 900 mm · 31 m³/h · 2½" connection · bare, without valve	EN 16713-1

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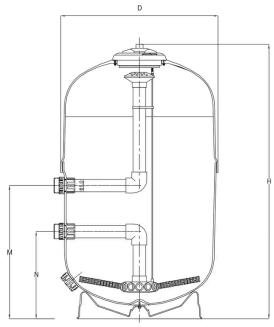
Technical Values by Order Code

Parameter	24769-0100	24770-0100	10003-0100	10004	24769FT01-110 000	24770FT01-110 000	10003FT01-110 000	10004FT01-110 000
Ø Filter (mm)	600	750	900	900	600	750	900	900
H (mm)	1370	1435	1400	1435	1370	1435	1400	1435
M (mm)	605	665	825	865	605	665	825	865
N (mm)	480	435	595	595	480	435	595	595
P (mm)	–	–	–	–	490	625	705	705
Connection	1½"	2"	2"	2½"	1½"	2"	2"	2½"
Flow rate at 50 m³/h/m² (m³/h)	16.5	21	31	31	16.5	21	31	31
Pool volume (m³)	120	175	250	250	120	175	250	250
Sand quantity (kg)	300	450	580	580	300	450	580	580
Gravel (kg)	35	65	135	135	35	65	135	135
Glass media 57011 (kg)	200	300	400	400	200	300	400	400
Glass media 57013 (kg)	25	50	75	75	25	50	75	75
Filter bed height (m)	0.8	0.8	0.8	0.8	0.6	0.6	0.6	0.6
Max. working pressure (bar)	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5

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Dimension Drawing



Selection Guide

$Q = A \times v$

Q: filter flow rate (m³/h) · A: filtration surface area (m²) · v: filtration rate (50 m³/h/m²)

$V_{pool} = Q \times t$

t: turnover time (h). Example: Ø 750 mm → 0.44 m² × 50 ≈ 22 m³/h; with an 8-hour turnover ≈ 176 m³ of pool volume.

Pump flow should not exceed the filter flow rate; when glass media is used instead of sand, refer to the glass media quantities in the table.

Application Areas

- Residential and villa pools requiring high water quality
- Hotel, residential complex and spa pools
- Ozonated water applications (with vinylester lining)
- Fine filtration with multilayer media

Technical values are based on the manufacturer's (AstralPool) 2026 catalog data; the manufacturer reserves the right to make technical changes without prior notice. Please request a quote from Artemis Pool Systems for project-specific selection, pricing and lead time.

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