PRO-MOLDED

Sand Filter



PRODUCT OVERVIEW

The PRO-Molded Sand Filter by Corex features a seamless one-piece molded plastic tank. Its compact design and stable base provide a practical filtration solution for residential pools, spas and light commercial installations.

KEY FEATURES & BENEFITS

Sand-Bed Filtration
Traps dirt, debris and fine particles.

One-Piece Molded Tank
Seamless plastic body with corrosion resistance.

Diffuser & Lateral Arms
Support balanced water distribution.

Pressure Monitoring
Gauge and manual air purge for routine care.

Easy Backwashing
6-way valve supports operation and cleaning.

Multiple Sizes & Connections
Five models for residential and light commercial use.

PRO-MOLDED MODEL FAMILY

CX-10301	CX-10302	CX-10303	CX-10304	CX-10305
				
300 mm	400 mm	500 mm	600 mm	760 mm

FLOW RATE	SAND LOAD	OPERATING PRESSURE	CONNECTION SIZE	VALVE TYPE
2.10–14.00 m³/h	20–100 kg	2.0 kg/cm²	1.5” / 2”	6-Way Multiport Valve

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Model Range & Detailed Specifications



The PRO-Molded series combines a seamless molded plastic tank with sand-bed filtration. Five model sizes provide options for residential pools, spas and light commercial applications, with integrated monitoring and service features.

MODEL RANGE OVERVIEW

CX-10301	CX-10302	CX-10303	CX-10304	CX-10305
				
300 mm	400 mm	500 mm	600 mm	760 mm
Plastic Filter with 1.5” valve	Plastic Filter with 1.5” valve	Plastic Filter with 1.5” valve	Plastic Filter with 1.5” valve	Plastic Filter with 2” valve

DETAILED MODEL SPECIFICATIONS

MODEL	D	H	B	V-H1	V-H2	CONN.	FLOW RATE		NET	TEST	SAND	CARTON		
						IN	m³/h	GPM	kg	bar	kg	L	W	H
CX-10301	300	51	**	12.7	21.7	1.5”	2.10	**	**	**	20	**	**	**
CX-10302	400	57	**	12.7	23.7	1.5”	4.00	**	**	**	25	**	**	**
CX-10303	500	73	**	13	30.3	1.5”	6.00	**	**	**	25	**	**	**
CX-10304	600	80.5	**	13.5	32.3	1.5”	8.50	**	**	**	50	**	**	**
CX-10305	760	94	**	14.2	43.2	2”	14.00	**	**	**	100			

TECHNICAL HIGHLIGHTS

- Seamless one-piece molded plastic tank
- Maximum operating pressure: 2.0 kg/cm²
- 6-way multiport valve
- Molded diffuser and lateral arms
- Pressure gauge and manual air purge
- Compact design with a stable base

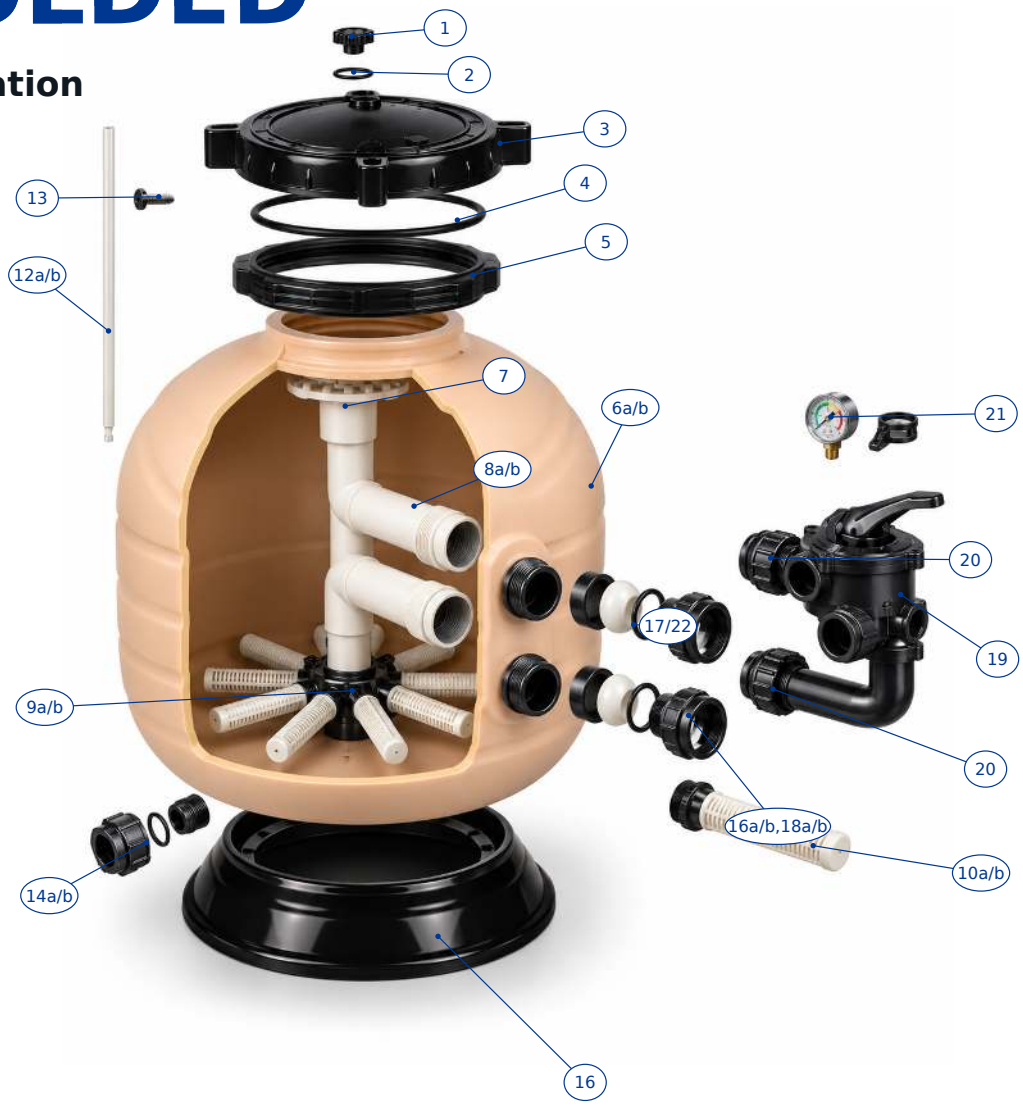
KEY NOTES

- ** and blank cells are as supplied.
- Connection sizes: 1.5” and 2”.
- Residential pools, spas and light commercial use.
- Sand replacement: 5–7 years under normal conditions.

PRO-MOLDED

Component Identification & Exploded View

Realistic assembly illustration based on the confirmed PRO-Molded source drawing and supplied product photograph. Original reference numbers are retained; the register distinguishes source names from visual descriptions.



ASSEMBLED PRODUCT REFERENCE



Illustrative reconstruction; not an engineering drawing. Items 11 and 15 are not represented. Grouped coupling/ring identities require confirmation.

COMPONENT PARTS IDENTIFICATION

ITEM	NAME / SOURCE STATUS	VISUAL REFERENCE	ITEM	NAME / SOURCE STATUS	VISUAL REFERENCE
1	Not specified	Top fitting	13	Not specified	Small fastener at tube
2	Not specified	Small ring above lid	14a/b	Not specified	Lower drain fitting group
3	Not specified	Top lid / cover	15	Not specified	Source item; not illustrated
4	Not specified	Ring below lid	16	Stable base*	Support below tank
5	Not specified	Upper neck ring	16a/b	Not specified	Grouped coupling reference
6a/b	Molded plastic body*	Tank shell	17a/b	Not specified	Grouped ring reference
7	Molded diffuser*	Upper internal distributor	18a/b	Not specified	Grouped coupling reference
8a/b	Not specified	Upper internal pipe	19	6-way multiport valve*	Side-mounted valve
9a/b	Not specified	Lower internal assembly	20	Not specified	Valve connection locations
10a/b	Lateral arms*	Separate slotted lateral	21	Pressure gauge*	Gauge beside valve
11	Not specified	Source item; not illustrated	22	Not specified	Grouped ring reference
12a/b	Not specified	Long vertical tube			

* Name appears in source text; number-to-name matching is a visual interpretation, not a supplied parts legend. Codes, dimensions and unconfirmed names are not inferred.

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Technical Data Sheet



PRODUCT OVERVIEW

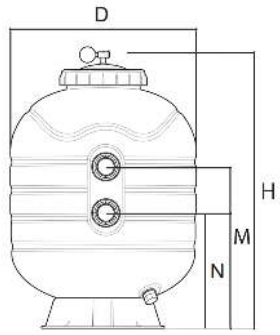
One-piece molded plastic sand filter with pressure gauge, manual air purge and drainage plug, for residential and light commercial pools.

- Sand-bed filtration
- Molded plastic body
- Corrosion resistance
- Compact construction
- Routine monitoring
- Service access

DIMENSION SYSTEM

DIM.	DESCRIPTION	CX-10301	CX-10302	CX-10303	CX-10304	CX-10305
D	Diameter	300	400	500	600	760
H	Height	51	57	73	80.5	94
B	Base	**	**	**	**	**
V-H1	V-H1	12.7	12.7	13	13.5	14.2
V-H2	V-H2	21.7	23.7	30.3	32.3	43.2

DIMENSION VIEW



CONSTRUCTION VIEW



ASSEMBLED REFERENCE



MODEL SPECIFICATIONS

MODEL	DESCRIPTION	D	H	B	V-H1	V-H2	CONN. IN	FLOW m³/h	FLOW GPM	NET kg	TEST bar	SAND kg	CARTON L	CARTON W	CARTON H
CX-10301	300mm Plastic Filter with 1.5”valve	300	51	**	12.7	21.7	1.5”	2.10	**	**	**	20	**	**	**
CX-10302	400mm Plastic Filter with 1.5”valve	400	57	**	12.7	23.7	1.5”	4.00	**	**	**	25	**	**	**
CX-10303	500mm Plastic Filter with 1.5”valve	500	73	**	13	30.3	1.5”	6.00	**	**	**	25	**	**	**
CX-10304	600mm Plastic Filter with 1.5”valve	600	80.5	**	13.5	32.3	1.5”	8.50	**	**	**	50	**	**	**
CX-10305	760mm Plastic Filter with 2”valve	760	94	**	14.2	43.2	2”	14.00	**	**	**	100			

TECHNICAL SPECIFICATIONS

- Operating pressure: 2.0 kg/cm²
- One-piece molded plastic tank
- Molded diffuser and lateral arms
- 6-way multiport valve
- Gauge, air purge and drain
- Compact design; stable base

PERFORMANCE DATA

MODEL	FLOW m³/h	SAND kg	TEST bar
CX-10301	2.10	20	**
CX-10302	4.00	25	**
CX-10303	6.00	25	**
CX-10304	8.50	50	**
CX-10305	14.00	100	**

NOTES

- ** and blank cells are preserved.
- Drawing is a source reference, not to scale.
- H, B, V-H1, V-H2 and carton units are not stated.
- Review source audit before release.

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Materials of Construction & Key Benefits

The PRO-Molded Sand Filter has a seamless molded plastic body for durability and corrosion resistance. A molded diffuser and lateral arms support sand-bed filtration, while the gauge, air purge and drain simplify routine care.





1 MATERIALS OF CONSTRUCTION

MOLDED PLASTIC BODY
Seamless one-piece construction with corrosion resistance.

MOLDED DIFFUSER
Supports balanced water distribution.

LATERAL ARMS
Support effective sand-bed filtration.

STABLE BASE
Supports the compact filter tank.

PRESSURE GAUGE & PURGE
Monitoring and manual air release for maintenance.

2 CONSTRUCTION FEATURES

CORROSION RESISTANT
One-piece molded plastic tank.

WATER DISTRIBUTION
Molded diffuser and lateral arms.

COMPACT CONSTRUCTION
Lightweight design for easy handling.

EASY MAINTENANCE
Gauge, manual purge and drain.

STABLE INSTALLATION
Base supports the filter tank.

3 QUALITY ASSURANCE

DURABLE CONSTRUCTION
Seamless molded plastic body provides corrosion resistance.

MAINTENANCE INTERVAL
Sand replacement every 5–7 years under normal operating conditions.

RESIDENTIAL & COMMERCIAL
For pools, spas and light commercial installations.

4 KEY BENEFITS

WATER CLARITY	DURABLE BODY	FILTRATION	EASY CARE	COMPACT DESIGN
Sand-bed filtration	Molded plastic tank	Diffuser and lateral arms	Gauge, purge and drain	Lightweight construction

PRO-MOLDED MODEL FAMILY

CX-10301	CX-10302	CX-10303	CX-10304	CX-10305
300 mm	400 mm	500 mm	600 mm	760 mm