Hydraulic self-cleaning screen changers

CleanChanger®

SMART SELF-CLEANING, UNCOMPROMISED FLOW CONTINUITY

FILTER MASSES
60 - 250 mm

APPLICATIONS
- Recycling (qualitative and intensive)
- Compound
- Flat and hollow sheet
- Pipes and profiles
- Blown and cast film
- Mono and multi-filaments
- Masterbatch
- Hot melt adhesives, glues, and sealants

With the innovative continuous screen changer **CleanChanger®**, we have written a new and important chapter in the history of **automatic cycle filtration**. The self-cleaning sequence is fully controlled by a PLC equipped with a touch-screen panel, allowing the screen changer to operate unattended and **without interruptions**.

We have developed a high-efficiency backflush cleaning system for the filter meshes, capable of achieving **up to 400** cycles with maximum performance and cost-effectiveness.

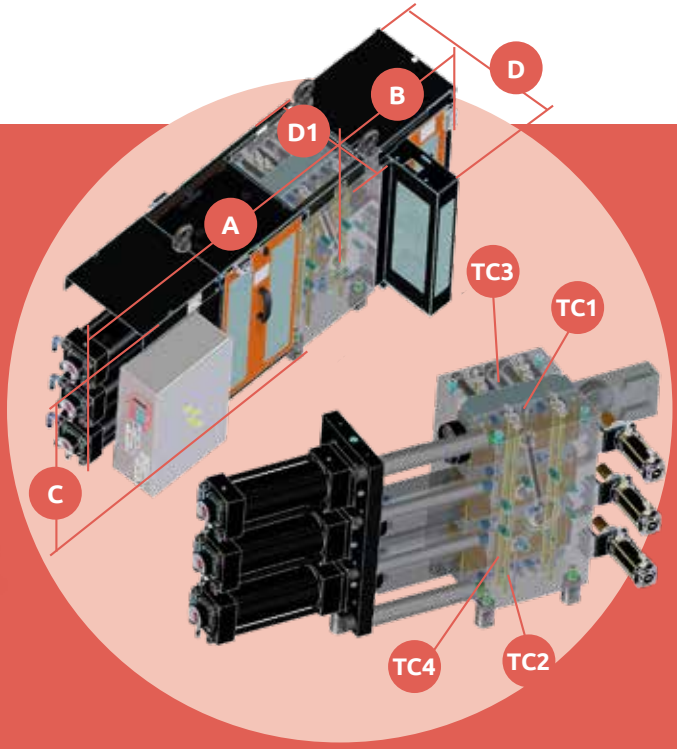
PATENTED, TESTED UP TO 400 SELF-CLEANING CYCLES

An extremely intuitive control software ensures that the screen changer is as simple as it is flexible to operate. At the end of the cycle, and with the extruder always running at full throughput, filter elements can be replaced thanks to the fully automated extraction of the breaker plates. **CleanChanger®**, by offering perfect flow continuity, allows for optimal integration into any type of extrusion line thanks to its compact design and advanced engineering.
This results in the possibility of creating highly customized and optimized projects in true Plug&Play solutions.

A further evolution is represented by the new **"Q" square breaker plate configuration**.
Recycling lines typically require large filtration surfaces: compared to a circular breaker plate, the square shape provides **28% more active surface area** within the same housing.
This solution introduces several advantages:

- **Greater filtration surface** without altering standard dimensions.
- **More compact overall size** of the screen changer, enabling easier installation, especially in retrofit applications.
- **Lower energy consumption**, with the same throughput and operating conditions.

With the "Q" solution, CleanChanger® further enhances its ability to combine efficiency, compactness, and versatility, making it the ideal choice for the most advanced extrusion and recycling lines.



CleanChanger® main dimensions - standard breaker configuration

Filtering mass	Flow dimensions			Extra plate	Filter mesh size			Overall dimensions						Heating power		BDO eq.	BDOx2 eq.
	Throughput	S/C Tot. Free Area	S/C Nominal Area total	S/C Tot. Free Area	Screen	Scr Housing	Scr Housing Dept	A	B	C	D	D1	Weight	Zone R1, R2	Zone R3, R4		
3x ø (mm)	(kg/h)	(cm^2)	(cm^2)	(cm^2)	ø (mm)	ø (mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(kg)			ø (mm)	2x ø (mm)
60	080-450	41	85	63	65,8	66	3	915	534	659	446	297	450	W2000 Up + W2000 Down	W2000 Up + W2000 Down	104	73
80	150-600	82	151	111	89,8	90	3	1038	542	726	550	325	700	W2500 Up + W2500 Down	W2500 Up + W2500 Down	139	98
100	250-800	112	236	150	109,8	110	3	1070	715	794	586	373	1250	W3800 Up + W3800 Down	W3800 Up + W3800 Down	173	122
120	400-1100	161	339	233	129,8	130	3	1321	792	934	654	436	1450	W6000 Up + W6000 Down	W6000 Up + W6000 Down	208	147
140	500-1400	219	462	339	149,8	150	3	1420	857	994	684	446	1800	W7000 Up + W7000 Down	W7000 Up + W7000 Down	242	171
160	750-1800	287	603	429	174,8	175	3	1441	899	1060	744	495	2200	W9600 Up + W9600 Down	W9600 Center	277	196
180	900-2500	363	763	539	199,8	200	3	1567	939	1122	761	529	2500	W9600 Up + W9600 Down	W9600 Center	312	220
200	1200-3500	452	942	687	219,8	220	3	1762	1064	1240	783	584	3400	W14500 Up + W14500 Down	W11600 Center	346	245
250	1500-5000	749	1473	993	271,8	272	3	2082	1246	1589	1047	651	6000	W10800 Up + W7200 Center +W10800 Down (3 zones)	W7200 Up + W7200 Center +W7200 Down (3 zones)	433	306

TC1, TC2, TC3, TC4 Thermocouples

CleanChanger® main dimensions - "Q" breaker configuration

Filtering mass	Flow dimensions			Extra plate	Filter mesh size			Overall dimensions						Heating power		BDO eq.	BDOx2 eq.
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80	300-900	82	151	82	89,8	90	3	1038	542	726	550	325	700	W2500 Up + W2500 Down	W2500 Up + W2500 Down	139	98
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