



High Efficiency Filters

Product Summary – which filter?

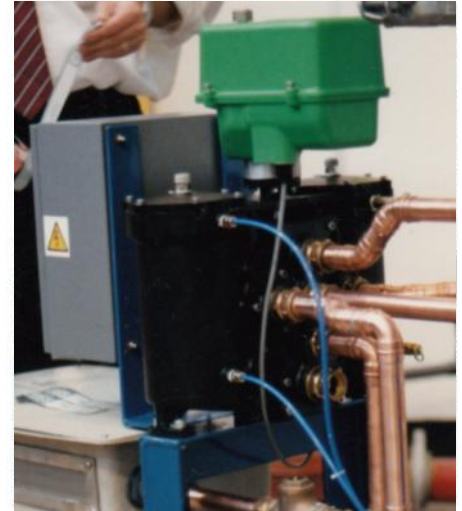
A range of filter products is available from TC Filters to meet applications of virtually any size and complexity — all using the “zero gravity” coil to provide permanent, economical and environmentally sound filtration solutions.

1 EasyClean Low cost water filters for domestic, light commercial or similar applications at flow rates up to 1.3 l/s. Each filter element is housed in its own flask and several can be connected in parallel should an increased capacity be required. The EasyClean is available in three versions: Manual, Valve and Auto. The EasyClean Auto can be elapsed time or differential pressure operated. The standard EasyClean filter is suitable for pressures up to 8 bar and temperatures up to 50°C .



1 EasyClean Auto

2 Winchester Tough and compact low flow, industrial filters designed specifically for closed circuit applications. The Winchester houses two filter elements which are backwashed sequentially under manual or automatic control without loss of system liquid. The Winchester Auto operates by elapsed time or pressure differential. The standard Winchester operates at flow rates up to 1.6 l/s, pressures up to 10 bar and temperatures up to 90°C.



2 Winchester Auto

3 Phoenix Versatile and compact filters made entirely from stainless steel and plastics, designed to operate at flows up to 18 l/s. The Phoenix has six filter elements and flow is uninterrupted during backwashing. A turbo inlet flow design dramatically improves filtering performance by minimising backwash frequency. Backwash is triggered automatically by elapsed time or differential pressure and offers a manual override. The standard Phoenix is suitable for temperatures to 90°C and pressures to 10 bar.



3 Phoenix

4 Forced Sedimentation Forced Sedimentation Filtration Systems (FSFS) combine TC Filters with a sediment gathering system to produce a packaged solution to the problem of fouled pipework systems. Available with Phoenix for open circuit and Winchester for closed circuit applications, the FSFS collects a high concentration of sediment in a specially designed vessel to provide a more efficient alternative to conventional side stream filtration.



4 Forced Sedimentation System – Phoenix

5 System 2000 The System 2000 offers an economical solution to high capacity filtration problems. The all stainless steel, modular design can be accurately tailored to meet the requirements for any size of project. Each filter pod houses seven elements and generates a turbo effect to minimise backwash frequency. The pods are arranged in banks of four or five and are connected to upper and lower manifolds as necessary to provide the required performance.



5 System 2000

Filter Performance Summary

	EasyClean	Winchester	Phoenix	Forced Sedimentation	System 2000
Max Recommended Flow Rate (l/s)	1.3	1.6	18	Refer to Winchester or Phoenix	No Limit
Max Temperature (°C)	50	90	90	Refer to Winchester or Phoenix	100
Max Pressure (bar)	8	10	10	Refer to Winchester or Phoenix	10
Filter Ratings (micron)	10-400	10-400	10-400	Refer to Winchester or Phoenix	10-400
Number of Elements	1 per unit	2 per unit	6 per unit	Refer to Winchester or Phoenix	7 per pod
Flow during Backwash	No	No	Yes	Refer to Winchester or Phoenix	Yes
Backwash Control	<ul style="list-style-type: none"> • Manual • Auto - Timed • Auto - DP 	<ul style="list-style-type: none"> • Manual • Auto - Timed • Auto - DP 	<ul style="list-style-type: none"> • Manual • Auto - Timed • Auto - DP 	Refer to Winchester or Phoenix	<ul style="list-style-type: none"> • Manual • Auto - Timed • Auto - DP
Body Materials	SAN Polypropylene	Cast Iron	Stainless Steel	Galvanised Steel Also refer to Winchester or Phoenix	Stainless Steel

This chart refers to standard products only. Non standard products and materials may also be available at special request to meet specific applications.



Four banks of System 2000 filters installed in a water treatment works.

For further information, please visit:

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