

AIR LINE FILTER

CELF

INDUSTRIAL HIGH EFFICIENCY FILTERS



Features:

- Low Pressure Drops-Assuring high energy savings.
- High capability of retention (99.999%).
Extremely purified compressed air and low operating costs.
- Large capacity reservoir allow large condensate volume. Drainage layer.
- The closure provided by seal cannot be opened while filter is under pressure.
- Inlet Air Temperature 100°C (Max.).
- Filtration Grades as per ISO8573-1.

HOUSING:

- Pressure die cast aluminium housing
- Chromated to give protection against corrosion
- Powder coating process with zinc based corrosion inhibition powder primer and epoxy polyester powder
- Salt spray test carried out exposing to salting fog to (5% NaCl) at the temperature 37°C for 72 Hrs.
- Hydrogenate Nitrile 'O' Ring - Superior mechanical properties, High Strength, Temp. -40°C to 150°C.

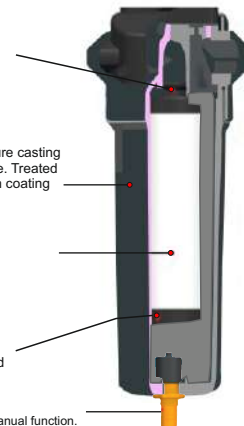
O-ring: (HNBR)
Oil proof and leak prevention.

Aluminium Alloy Filter Housing:
Manufactured using high pressure casting Mould for high quality assurance. Treated with chromatising, anti corrosion coating inside and outside.

Pleated Filter Element:
Provide high filtration surface area, low differential pressure loss and longer working life.

Non Corrosive End Caps:
Prevent contamination to filtered compressed air.

Automatic Drain:
Reliable & durable, Manual function.



Installation in series:

- This compact assembly design will meet most customers' demand. It is suitable for end of point usage and without installation of threaded connector.

Durable Chemical Resistance End Caps

- Injection moulded from nylon, then bonded to the filter core with high strength two part polyurethane potting resin for maximum strength.

Standard reference conditions:

- Ambient temperature: 45°C
- Working pressure: 7 bar
- Inlet air temperature: 100°C

Max. Working condition:

- Pressure: 16 Kg/cm²
- Inlet air temperature: 100°C
- P = 3μ (class 3 ISO8573.1)
- F = 1μ solid / 0.1 mg/m³ oil (class 2 ISO8573-1)
- H = 0.01μ solid / 0.01 mg/m³ oil (class 1 ISO8573-1)
- C = 0.03 mg/m³ oil (class 1 ISO8573-1)

S. No.	MODEL	FLOW		CONNECTION BSP (F)	ELEMENT MODEL
		M ³ /Hr	SCFM		
1	CELF-20	34	20	½"	EL0020X
2	CELF-50	86	50	½"	EL0050X
3	CELF-80	138	80	¾"	EL0080X
4	CELF-100	173	100	¾"	EL0100X
5	CELF-150	259	150	1"	EL0150X
6	CELF-200	346	200	1-1/2"	EL0200X
7	CELF-300	519	300	1-1/2"	EL0300X
8	CELF-400	692	400	1-1/2"	EL0400X
9	CELF-600	1038	600	2"	EL0600X

X - Replace by P : PRE FILTER : 3 Micron H : AFTER FILTER : 0.01 Micron
F : FINE FILTER : 1 Micron C : ACTIVATED CARBON FILTER : 0.003 mg/m³



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