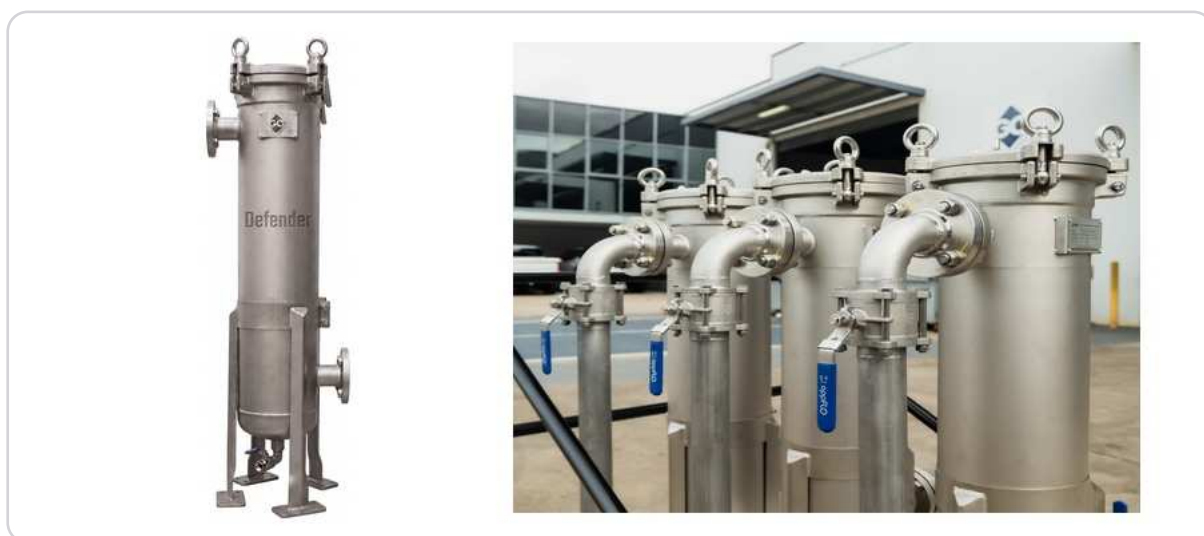


FILTRATION • BULK DIESEL TRANSFER

GO FILL Defender • Filter Housing Range

Single element bulk fuel filter housings in 304 stainless steel, flanged DN40 to DN100 and rated to 800 litres per minute. The Defender sits between the tank and the bowser to strip particulate and water before fuel reaches the nozzle, and takes a standard Size #2 element that changes out through a swing bolt lid.



800

litres per minute

20 bar

max working pressure

304

stainless steel body

Key features

- Rated to 800 L/min at low differential pressure across DN40 to DN100 line sizes.
- 304 stainless body built to pressure vessel standards, 2.0 MPa (20 bar / 300 psi). 316L to order.
- Side entry ANSI 150# flanged inlet and outlet in four line sizes.
- Quick opening swing eye bolts and a lift off cover, so an element change needs no tools.
- Four leg stainless frame with pre drilled pad plates for bolting to a slab or skid.
- 28 litre chamber takes a Size #2 particulate element, water coalescer or strainer basket.



THE RANGE

Models and specifications

Four line sizes on one body. The flange is the only thing that changes, so the element part number is the same across the range.

Models

MODEL	GO SKU	INLET AND OUTLET
GO FILL Defender DN40	GO-BFSB1A40	DN40 (1 1/2") ANSI 150# flange
GO FILL Defender DN50	GO-BFSB1A50	DN50 (2") ANSI 150# flange
GO FILL Defender DN80	GO-BFSB1A80	DN80 (3") ANSI 150# flange
GO FILL Defender DN100	GO-BFSB1A100	DN100 (4") ANSI 150# flange

Specifications

SPECIFICATION	VALUE
Compatible fluids	Diesel, biodiesel blends, lubricants, hydraulic oils
Max flow rate	800 L/min (211 GPM)
Max working pressure	2.0 MPa (20 bar / 300 psi)
Connection type	Flanged ANSI 150#, side entry
Housing construction	304 stainless steel standard, 316L optional
Element size	Size #2 (178 x 813 mm / 7" x 32")
Filtration range	1 to 2000 micron, set by the element fitted
Chamber volume	28 litres
Seals	NBR (Buna-N) standard, Viton or PTFE to order

● PETROL DUTY

The standard build is NBR sealed and unbonded, which covers diesel, biodiesel blends, lubricants and hydraulic oils. Petrol and other volatile fuels need FKM/Viton seals and static grounding. That is a build option, not a field change, so specify it at order.



GO FILL CONSUMABLES · GO-FE-PART-02

Defender Element · Particulate 10 micron

Pleated polypropylene element for solids. It sits on a standard Size #2 collar so it drops straight into any Defender housing, and the pleats hold far more dirt than a felt bag of the same size.



Specifications

SPECIFICATION	VALUE
Micron rating	10 micron nominal
Media	Pleated polypropylene
Core	Polypropylene
Outer diameter	152 mm (6")
End fitting	Standard Size #2 plastic bag collar
Fluids	Diesel, biodiesel blends, hydraulic oils, lubricants

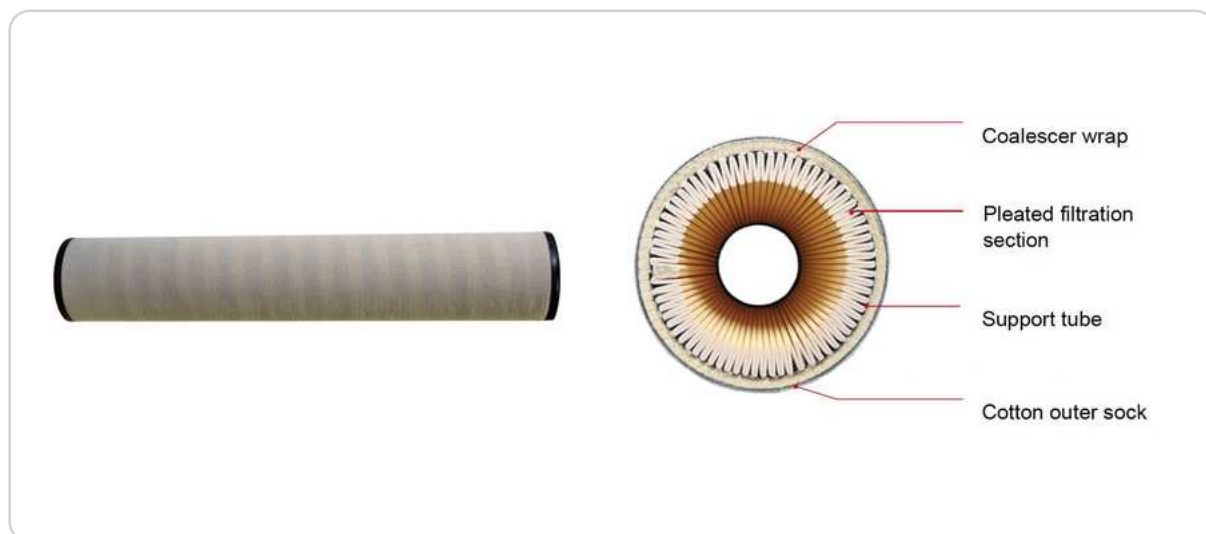
• WHEN TO FIT IT

Fit the particulate element where the fuel is picking up rust and pipe scale from a steel tank or an old line. It takes out solids only. Where the fuel is carrying water as well, run it ahead of the water element so the coalescer is not loaded with dirt.

GO FILL CONSUMABLES • GO-FE-WATER-02

Defender Element • Water 5 micron

Coalescing element that strips free and emulsified water as well as 5 micron solids, tested to the EI 1581 aviation standard.



Specifications

SPECIFICATION	VALUE
Micron rating	5 micron
Test standard	EI 1581 5th edition, Category C, Type S and S-LW
Construction	Support tube, pleated media, coalescer wrap, cotton sock
Core and end caps	Galvanised mild steel
Seals	NBR (Buna-N)
Clean pressure drop	2 to 5 psid
Change out differential	1.4 bar (20 psi)
Burst pressure	5.2 bar (75 psi)
Operating temperature	-30 to 80 °C
Service life	36 months in service, 60 months in storage



SELECTION AND SERVICE

Choosing, changing and ordering

Which element to fit

- Fuel picking up rust and pipe scale from a steel tank or an old line: fit the 10 micron particulate element.
- Free or emulsified water, tank condensation, or a bowser that has to deliver dry fuel: fit the 5 micron water element.
- Both on the one line: run two housings in series, particulate first, so the coalescer is not loaded with solids.

Service and change out

- Change the water element at 1.4 bar (20 psi) differential. Its burst rating is 5.2 bar, so that point sits well inside it.
- Read differential across the inlet and outlet and change out on pressure, not on hours in service.
- Isolate and depressurise the housing before releasing the swing eye bolts, and drain it before lifting a loaded element.
- Check the cover seal at every change. NBR is standard, Viton and PTFE are available where the fluid needs them.
- Allow clear height above the housing for the element to lift out, and floor access to all four eye bolts.

Ordering

DESCRIPTION	GO SKU
GO FILL Defender filter housing, DN40 (1 1/2") ANSI 150# flange	GO-BFSB1A40
GO FILL Defender filter housing, DN50 (2") ANSI 150# flange	GO-BFSB1A50
GO FILL Defender filter housing, DN80 (3") ANSI 150# flange	GO-BFSB1A80
GO FILL Defender filter housing, DN100 (4") ANSI 150# flange	GO-BFSB1A100
GO FILL Defender element, particulate, 10 micron, Size #2	GO-FE-PART-02
GO FILL Defender element, water, 5 micron, Size #2	GO-FE-WATER-02

