

Single line filters for fuel oil



Benefits

- Shut-off valve in the flow line
- Vent valve with hose connector in the return line (R 500)
- Impact-resistant, shock-resistant and transparent plastic filter cup
- Pipe connection via universal screw connection for pipes with \varnothing 8/10 mm
- Materials resistant to biofuel and biodiesel mixtures with max. 30 % FAME
- Proofed Barrier (odour-tight)
- Watertight up to 10 m water column - ideal for use in flood hazard areas
- Green fuels ready: suitable for use at tank facilities filled with the new paraffinic fuels HVO or GTL



Application

For single-line systems with return line (version R 500) or without return line (version V 500). Suitable for fuel oil EL (DIN 51603-1), diesel fuel (EN 590), liquid fuels as per DIN SPEC 51603-6 and DIN/TS 51603-8 as well as biofuel and biodiesel with a maximum of 30 % FAME (EN 14214). This product is therefore ideal for all ecologically upgraded fuel oil consuming systems that use the new paraffinic fuels HVO or GTL as an admixture or 100 %. Also for use in flood hazard areas and flood risk areas.

Versions

	Connection		Filter	Oil throughput at $\Delta p=100$ mbar	Part no.
	Tank	Burner			
Single line filters R 500 Si 50–70 μ m	1x G $\frac{3}{8}$ female	2x G $\frac{3}{8}$ male	Sintered plastic sieve short, 50–70 μ m	210 l/h	20281
Single line filters R 500 St 100 μ m	1x G $\frac{3}{8}$ female	2x G $\frac{3}{8}$ male	Stainless steel sieve, 100 μ m	250 l/h	20283
Single line filters V 500 Si 50–70 μ m	1x G $\frac{3}{8}$ female	1x G $\frac{3}{8}$ male	Sintered plastic sieve short, 50–70 μ m	250 l/h	20292
Single line filters V 500 St 100 μ m	1x G $\frac{3}{8}$ female	1x G $\frac{3}{8}$ male	Stainless steel sieve, 100 μ m	320 l/h	20294
Single line filters V 1/2 500 Si 50–70 μ m	1x G $\frac{1}{2}$ female	1x G $\frac{1}{2}$ female	Sintered plastic sieve short, 50–70 μ m	390 l/h	20485
Single line filters V 1/2 500 St 100 μ m	1x G $\frac{1}{2}$ female	1x G $\frac{1}{2}$ female	Stainless steel sieve, 100 μ m	560 l/h	20487

[Blue part no.](#) = in-stock items



Description

Brass filter housing, filter cup made of transparent, impact-resistant plastic. With shut-off valve in the flow line. Version R 500 also features a vent valve with hose connector in the return line. Universal compression fittings for pipes with 8/10 mm outside diameters included. Watertight up to 10 m water column.

Technical specifications

Connection burner end

See ordering table

Connection tank

See ordering table

Mounting position

Filter cup vertically down

Operating temperature range

Medium: Max. 40 °C

Operating overpressure

(suction mode only)

Material

Housing: Brass

Filter cup: Plastic, transparent and impact-resistant

Approval

Conformity certificate (ÜHP) as per EN 12514