

# Air Treatment Solutions

*- Keeping your air tools in top condition*



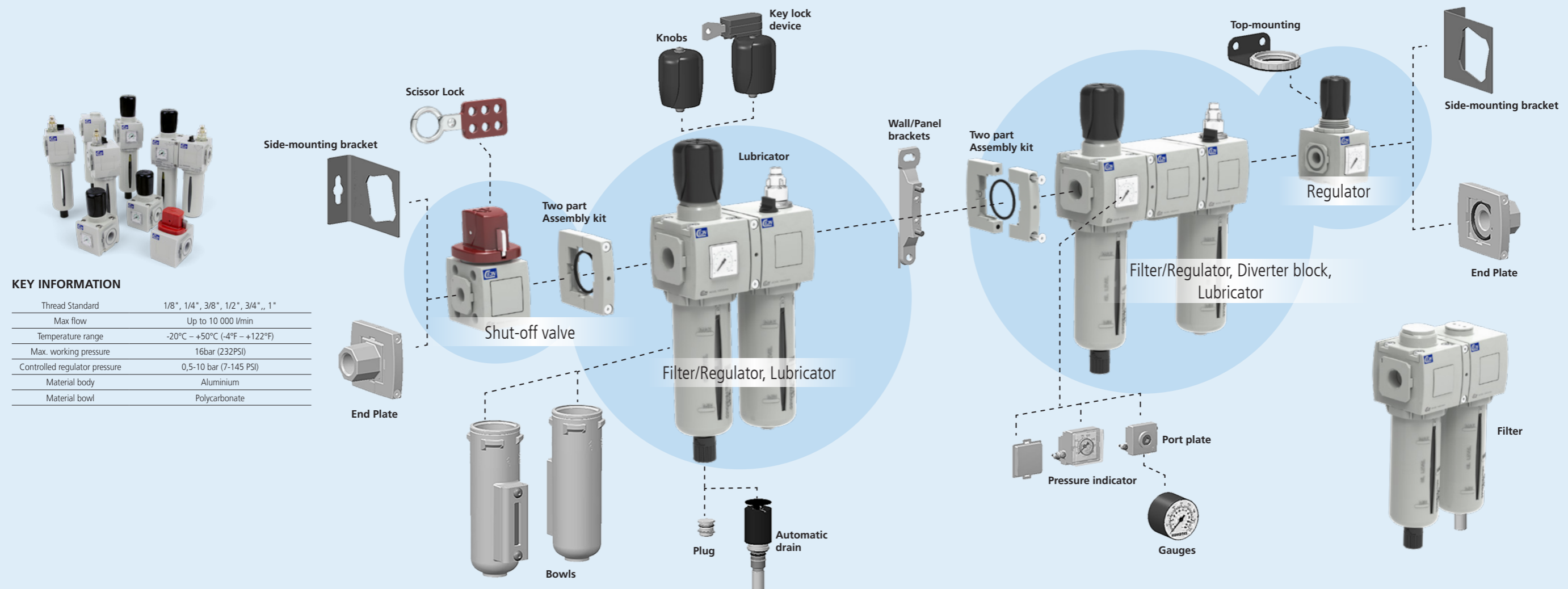
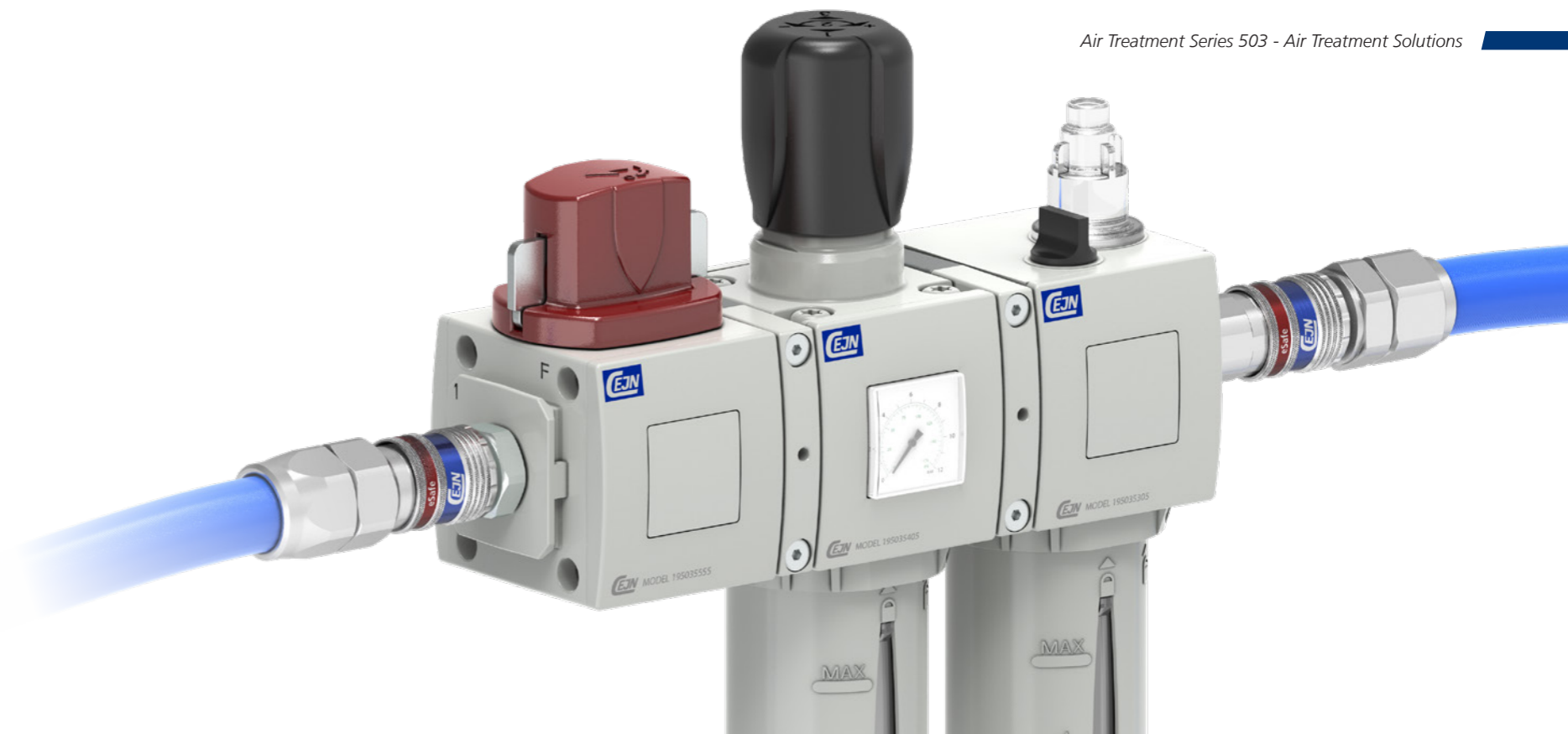
# Air Treatment Series 503

Modular range in three sizes with 1/4", 1/2" and 1" body

Endless possibilities to combine all from **Safety Shut-off valve** to **Filter/Regulator** to **Lubricator**. All with easy assembly clamps and various mounting Brackets.

CEJN offers ready units for easy installation, all from the simple Filter/Regulator with Safety Shut-off Valve to a Filter/Regulator combined with a diverter block to get oil free air and Lubricator to have pre-oiled air for your air tools.

Virtually every industry, e.g. manufacturing, food, processing, carpentry, paper mills, etc., relies on compressed air as an energy source. In a shared compressed air network, with numerous outlets and an extensive pipe work system, air treatment units are especially important.



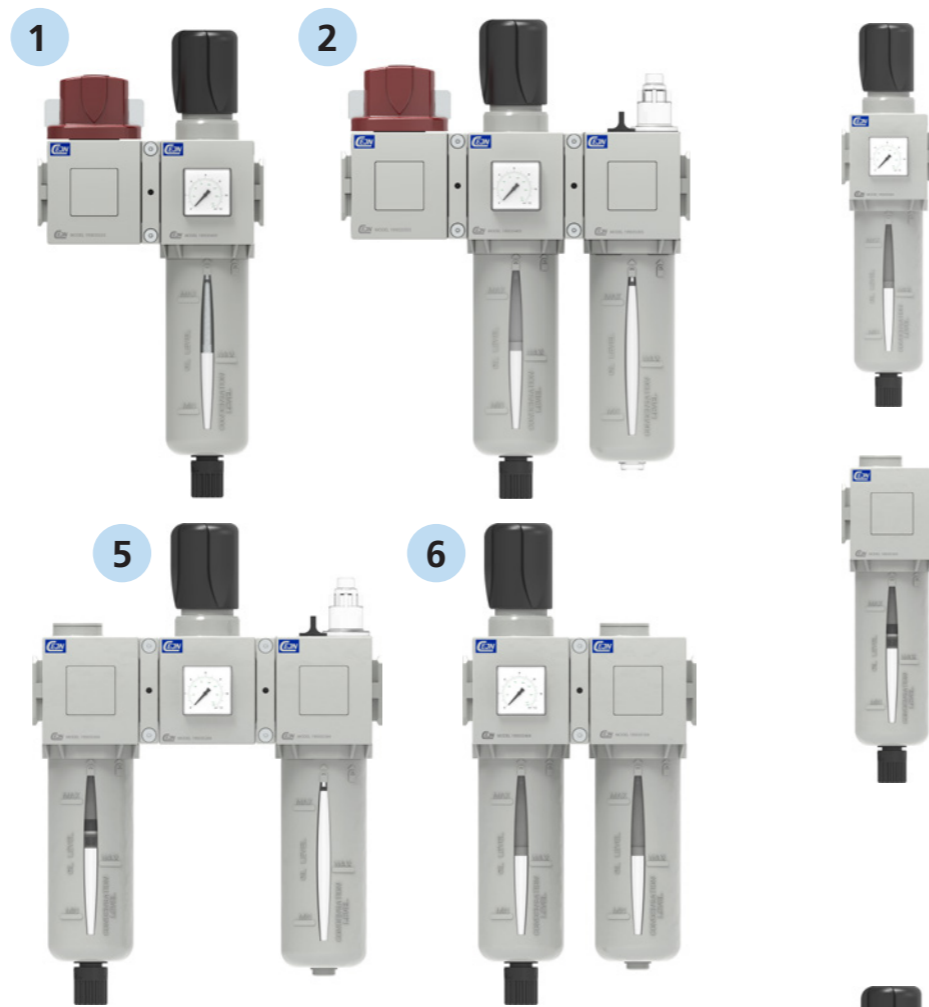
## KEY INFORMATION

Thread Standard	1/8", 1/4", 3/8", 1/2", 3/4", 1"
Max flow	Up to 10 000 l/min
Temperature range	-20°C – +50°C (-4°F – +122°F)
Max. working pressure	16bar (232PSI)
Controlled regulator pressure	0,5-10 bar (7-145 PSI)
Material body	Aluminium
Material bowl	Polycarbonate

# FRL Systems

- Complete, pre-assembled sets
- Compact design
- Gauge included

CEJN FRL systems combine a shut-off valve, filter, regulator and lubricator in a ready-to-use set, ideal when space is limited. The shut-off valve provides shut-off to downstream machinery, the filter removes any debris and water, the regulator ensures an adequate pressure level and the lubricator enables constant and proportional oil delivery; together they provide you with clean air and an efficient system that will extend the service life of air-powered tools and equipment.



Series	Description	µm	Model 651		Model 652		Model 653	
			1/8"	1/4"	3/8"	1/2"	3/4"	1"
1	Shut-off valve (lockable) + Filter/Regulator		-	19 503 1702	-	19 503 5705	19 503 2707	-
2	Shut-off valve (lockable) + Filter/Regulator + Lubricator		-	19 503 1762	-	19 503 5765	19 503 2767	-
3	Filter/Regulator & Lubricator	25	-	19 503 1602	19 503 5604	19 503 5605	19 503 2607	19 503 2609
4	Filter/Regulator, Diverter block & Lubricator	25	-	19 503 1612	19 503 5614	19 503 5615	-	-
5	Filter, Regulator & Lubricator		-	19 503 1622	19 503 5624	19 503 5625	19 503 2627	19 503 2629
	Portable System - Filter, Regulator & Lubricator		-	-	-	19 503 5645	-	-
6	Filter/Regulator 5 µm & Filter 0.01 µm	0.01	-	-	19 503 5634	19 503 5635	-	-
	Filter/Regulator 5 µm & Filter 0.01 µm with metal bowl		-	-	-	19 503 5655	-	-



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# Filter/Regulators

- Removes water/moisture efficiently
- High flow capacity at low pressure drop
- Easy replacement of filter element

For optimal performance, CEJN filter/regulator combine a filter, regulator and flat gauge in one product. Thanks to its compact design, it is a good alternative in applications where space is limited. The filter/regulator features a polycarbonate bowl, easily visible level indicators, a flexible rolling diaphragm for an extended life and a locking device.

Description	µm	Model 651		Model 652		Model 653	
		1/8"	1/4"	3/8"	1/2"	3/4"	1"
Filter/Regulators	25	19 503 1401	19 503 1402	19 503 5404	19 503 5405	19 503 2407	19 503 2409
	5	-	19 503 1412	19 503 5414	19 503 5415	19 503 2417	-

# Filters

- Efficiently removes any airborne solids or moisture
- Manual/Semi-automatic drain as standard
- Easy replacement of filter element

Moisture that collects in the system during the compression cycle could potentially cause corrosion in pneumatic equipment or make the system sluggish, resulting in downtime. To ensure a dry and clean system, CEJN offers filter with a high flow capacity that efficiently removes any airborne solids. In a shared compressed air network, with numerous outlets and an extensive pipework system, air preparation units are especially important. Choose from filters with a filtration capacity of between 0.01 and 25 µm.

Description	µm	Model 651		Model 652		Model 653	
		1/8"	1/4"	3/8"	1/2"	3/4"	1"
Particulate filter	25	-	19 503 1102	19 503 5104	19 503 5105	19 503 2107	19 503 2109
	5	-	19 503 1112	-	19 503 5115	-	19 503 2119
Filters	0.01	-	19 503 1122	-	19 503 5125	-	-
Filters, Active carbon		-	-	19 503 5154	-	-	-

# Regulators

- Rolling diaphragm for extended service life
- High flow with low pressure drop
- Accurate pressure regulation

CEJN's regulators offers a standard adjustment range of 0.5-10 bar to maintain the required pressure level. Our regulator range features a rolling diaphragm to maximize service life, a locking device to prevent unintentional adjustment, and a gauge for visual pressure control. The high flow capacity and low pressure drop help save energy and cut costs.

Description	Model Mini		Model 651		Model 652		Model 653	
	1/4"	1/8"	1/8"	1/4"	3/8"	1/2"	3/4"	1"
Regulators	19 903 8202	19 903 8201	19 503 1201	19 503 1202	19 503 5204	19 503 5205	19 503 2207	19 503 2209

# Lubricators

- Reliable lubrication
- Refillable under pressure
- Lubricates even at very low flow

CEJN air treatment system offers lubricators for working pressures of up to 10 bar (145 PSI). They can deliver the correct amount of oil, adjusted by a lockable oil-setting knob, for most pneumatic system applications. The transparent glass allows for 360-degree visibility of oil flow. CEJN lubricators can easily be adjusted without tools.

Description	Model 651		Model 652		Model 653	
	1/8"	1/4"	3/8"	1/2"	3/4"	1"
Lubricators	-	19 503 1302	19 503 5304	19 503 5305	19 503 2307	19 503 2309

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## Shut-Off-Valve

- Provides shut-off to downstream machinery
- Robust and easy-to-operate
- Safety feature with a scissor lock

The lockable shut-off valves are the perfect choice during service or maintenance. When the shut-off valve is locked in the closed position you can rely on that the air system is not pressurized by someone unauthorized, the air system cannot be operated until the padlocks are removed. The shut-off valve is very easy to use and have a robust design.

Description	Model 651		Model 652		Model 653	
	1/8"	1/4"	3/8"	1/2"	3/4"	1"
Shut-off valve (lockable)	-	19 503 1532	19 503 5554	19 503 5555	19 503 2557	19 503 2559
Shut-off valve	-	-	19 503 5534	19 503 5535	-	-



## Diverter Block

Diverter blocks are ideal to separate air/oil manifold or to add additional products. The port on the front and back provide additional flexibility to attach or branch off the main manifold. It can also be used to feed additional air to air treatment assemblies that require additional air capacity.

Description	Model 651	Model 652	Model 653
	5x1/4"	2x3/8" + 3x1/2"	2x3/4" + 3x1"
Diverter block	19 503 1952	19 503 5955	19 503 2959



## Portable unit 652

- Portable unit for treatment at user point
- Stabil and durable design
- Protects the FRL unit

CEJN have designed a portable unit for series 652, due to that the best results of air treatment, it should always be done as close as possible to the point of use. The portable unit is stabil and protects the FRL unit.

Description	H x D x W (cm)			Model 652
Portable FRL unit for 2 PCS	33.5	26	25	19 503 9002
Portable FRL unit for 3 PCS	33.5	26	38	19 503 9003



## Lubricating oil for CEJN Lubricators

CEJN lubricating oil is a special oil (so-called white oil) for air-powered machines, both rotating and striking, as well as for fog lubrication units. The oil is also used for lubrication of other machine components where very high purity of the oil is required.

Description	Packing (litres)	Model 651, 652, 653
Amoil Lubricating oil, 1 liter	1	19 903 1580
Amoil Lubricating oil, 5 liters	5	19 903 1581



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## Accessories and Spare Parts

- Mounting and assembly kits
- Service accessories
- Blocks

CEJN offers a large range of accessories and spare parts for the FRL product line such as shut-off valves and bowls for both filters and lubricators. Also available are diverter blocks, assembly kits and brackets to create a FRL-system that meet specific application requirements.



Accessories	Model Mini	Model 651	Model 652	Model 653
Two-part Assembly kit	-	19 503 1500	19 503 5500	19 503 2500
Wall/Panel bracket kit	-	19 503 0522	19 503 0522	19 503 0522
Side-mounting brackets	-	19 503 1510	19 503 5510	19 503 2510
Top-mounting ring and bracket	19 503 8511	19 503 1511	19 503 5511	-
End plate kit	-	19 503 1512	19 503 5512	19 503 2512
Gauge port plate	-	19 503 0520	19 503 0520	19 503 0520
Pressure range indicator	-	19 503 0521	19 503 0521	19 503 0521
Automatic drain assembly	-	19 503 0523	19 503 0523	19 503 0523
Complete key lock device kit	-	19 503 0502	19 503 0503	19 503 0504

Spare filter element	µm	Model 651	Model 652	Model 653
Particle filter	25	19 503 1540	19 503 5540	19 503 2541
	5	19 503 1541	19 503 5541	19 503 2540
Coalescing filter	0.01	19 503 1542	19 503 5542	-
Activated carbon filter	0.001	-	19 503 5545	-

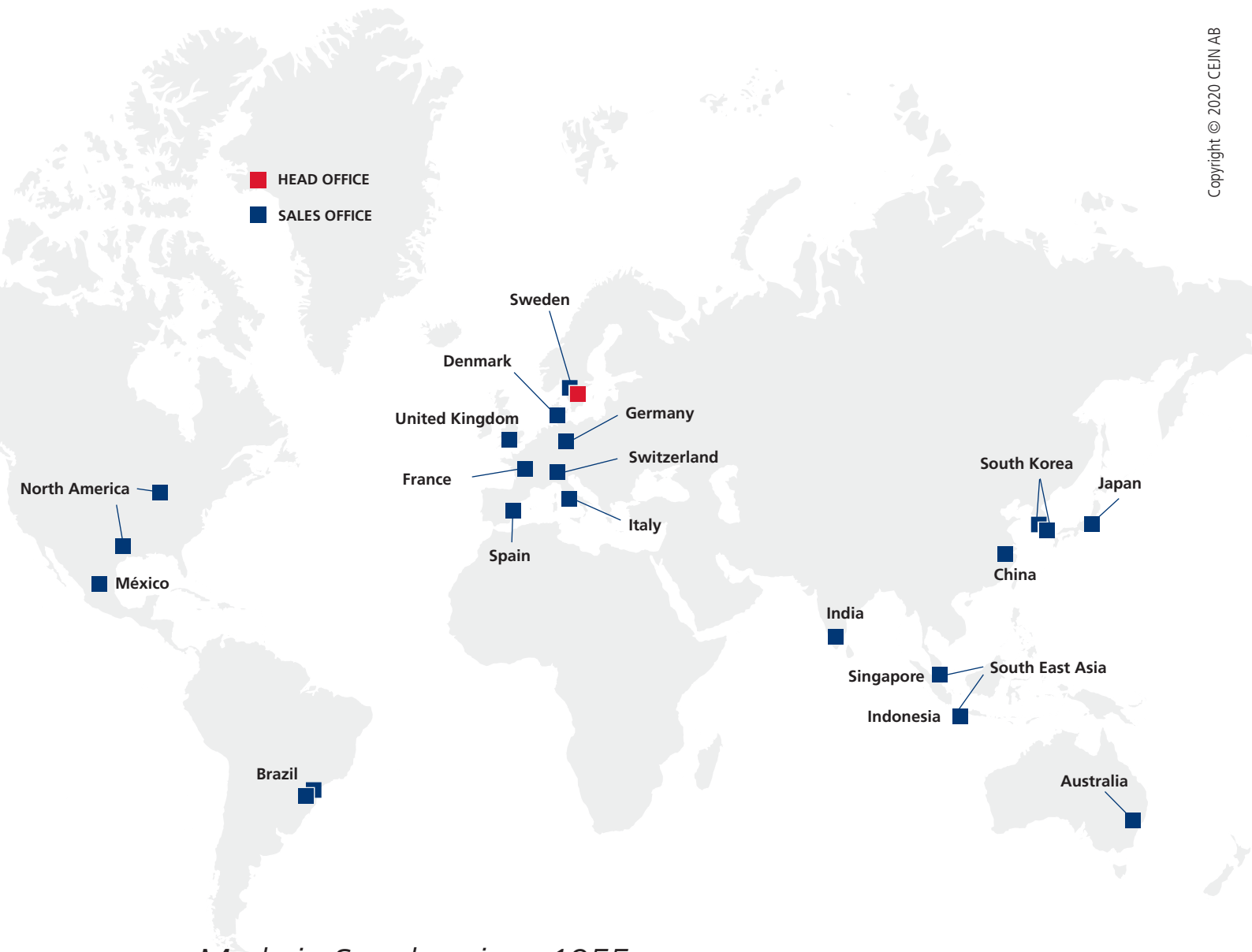
Spares	Model 651	Model 652	Model 653
Front cover	19 503 1520	19 503 5520	19 503 2520
Replacement knob for regulator or filter-regulators	19 503 1921	19 503 5921	-
Bowl for filter with semi-automatic drain	19 503 1900	19 503 5900	19 503 2900
Metal bowl without sight gauge.	19 503 1902	19 503 5903	19 503 2902
Bowl for lubricator	19 503 1901	19 503 5901	19 503 2901
Lubricator bowl plug assembly	19 503 5910	19 503 5910	19 503 5910
Semi-Automatic/Manual drain assembly (NBR seals)	19 503 5911	19 503 5911	19 503 5911
Diaphragm Assembly Repair Kit for regulator.	19 503 5902	19 503 5902	19 503 5902
Repair kit for particle filter.	19 503 1922	19 503 5922	19 503 2922

## FRL Spare filters

Monitor filter elements and change them before they lose efficiency and effectiveness. Clogged filter elements reduce the flow rate through the air preparation unit and fail to remove particulates. Stocking and replacing filter elements - a low cost, simple maintenance task that can pay large dividends in filter performance and pressure drop. CEJN can offer four different types of filter elements that can provide clean air for most industrial applications.

		ISO	µm	Interval
Particle filter	Color code - yellow	(6:8:4)	25	6-12 months
Particle filter	Color code - white	(5:8:4)	5	4-10 months
Coalescing filter	Color code - red	(2:7:2)	0.01	3-6 months
Activated carbon filter	Color code - grey		0.001	1 - 6 months

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## *Made in Sweden since 1955*

We have been producing professional, high-quality and innovative quick connect couplings here at CEJN since our first patented coupling was launched in 1955. CEJN is an independent global niche company with its head office in the heart of Sweden. Over the years we have expanded to 22 locations worldwide and are supplying products and services to virtually every industry segment. At CEJN, we are united by our five core values: safety, environment, quality, innovation and performance. They are our cornerstones and define who we are, how we work, what we believe in and what we stand for.

*Contact your local sales office or visit [www.cejn.com](http://www.cejn.com) for more information.*