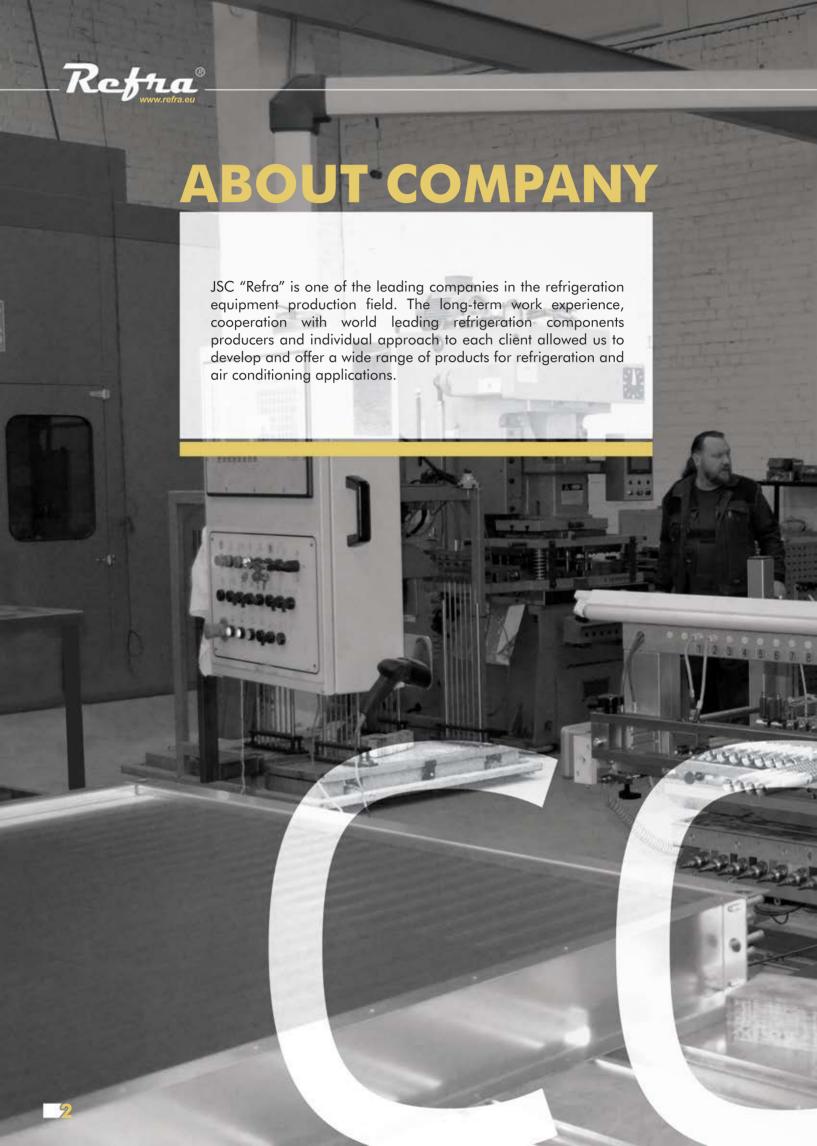


COIS Resta







CONDENSING COILS

- Usually used for refrigeration or air conditioning equipment as remote condenser or as a part of condensing unit.
- Standard tubes: copper; inner grooved or smooth; 5 mm, 7,94 mm, 9,52 mm, 12,7 mm
- Standard fins: aluminum, epoxy coated, hydrophilic, copper; corrugated fin shape
- Standard frame: galvanized steel, stainless steel, aluminum

EVAPORATING COILS

- Usually used for refrigeration or air conditioning equipment or air-handling units
- Standard tubes: copper; inner grooved or smooth; 5 mm, 7,94 mm, 9,52 mm, 12,7 mm
- Standard fins: aluminum, hydrophilic, copper; corrugated fin shape
- Standard frame: galvanized steel, stainless steel, aluminum

WATER AND BRINE COILS

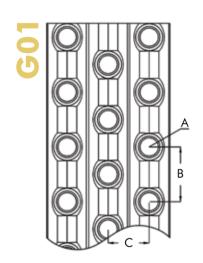
- Usually used for drycoolers, fan coils, air heaters or coolers and air handling units
- Standard tubes: copper; inner grooved or smooth; 9,52 mm, 12,7 mm
- Standard fins: aluminum, hydrophilic, copper; corrugated fin shape
- Standard frame: galvanized steel, stainless steel, aluminum

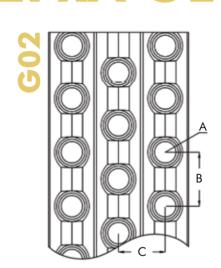
OTHER COILS

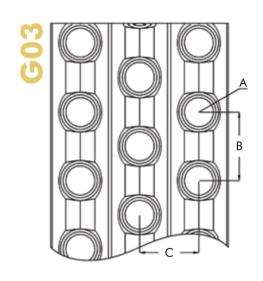
- Various other applications, such as oil coolers, gas coolers, heat pumps, water coolers, are available according to customer requirements.

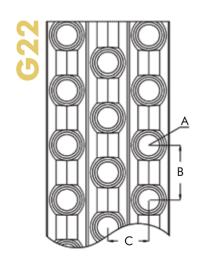


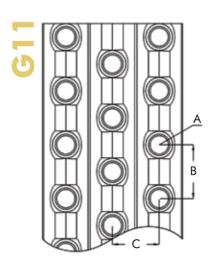
REFRA GEOMETRIES

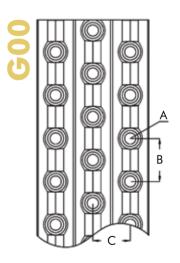












Measurements	G01	G02	G03	G22	G11	G00
A	Ø 7.94 mm	Ø 9.52 mm	Ø 12.70 mm	Ø 9.52 mm	Ø 7.94 mm	Ø 5.00 mm
В	25.40 mm	25.00 mm	31.75 mm	25.40 mm	25.00 mm	20.00 mm
С	19.05 mm	21.65 mm	27.50 mm	19.05 mm	21.65 mm	17.30 mm



REFRA HEAT EXCHANGERS PRODUCTION CAPABILITIES

Geometry	D, mm	A, mm	C, mm	Corrugation	Fin spacing	Tubes	Tube wall
G00	5,00	20,00	17,30	C	1,5 - 3,5 mm	Grooved	0,25 mm
G01	7,94	25,40	19,05	C, L	1,5 - 3,5 mm	Grooved	0,28 mm 0,54 mm*
G02	9,52	25,00	21,65	С	1,5 - 4,5 mm	Grooved Smooth	0,35 mm
G03	12,70	31,75	27,50	С	1,5 - 8,0 mm	Smooth	0,41 mm
G11	7,94	25,00	21,65	С	1,5 - 4,5 mm	Grooved	0,28 mm 0,54 mm*
G22	9,52	25,40	19,05	С	1,5 - 3,5 mm	Grooved Smooth	0,35 mm

^{*} K65 tube for high pressures up to 120 bar

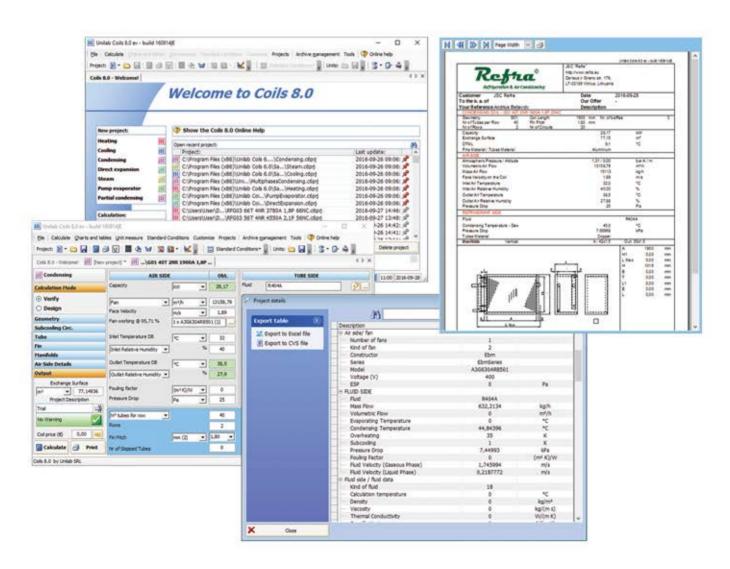
QUALITY

Refra coil production line is completed with modern automatic machinery and tools, responsible personnel and management system. This combination allows us to achieve high quality production process with minimum deviations from designed result. We use only certified high quality tubes and aluminum or copper sheets for coil production to achieve maximum reliability. All our coils are tested with high pressure and fit PED (Pressure Equipment Directive) – No. 23/1997/EC.



SOFTWARE

For all heat exchanger calculations Refra uses Unilab heat transfer calculation software, which meets Eurovent requirements and ensures precise results in any heat transfer case. For our OEM customers we offer coil calculation software developed by Unilab especially for Refra, incorporating all our production capabilities. This tool helps Refra customers calculate developed coils in different conditions or create new coils.



Release date: 2016 - 10

CUSTOMER SERVICE

Refra is located in Lithuania, which is in eastern European part. We work with customers from all over the world. Our main priority is to establish close contact with every customer to meet their requests and fulfill all tasks on time. Our flexibility allows us to find different solutions in various situations for every customer, ensure high production quality, provide aftersales support.

UAB"REFRA"

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