

# HEAT EXCHANGERS

## General characteristics

HEAT EXCHANGERS RANGE														
Heat exchanger family	Shell material	Maximum acceptable flow SHELL side (l/mn)			Maximum acceptable flow TUBES side (l/mn)									Exchange surface (m <sup>2</sup> )
		Baffle set			Simple			Double			Quadruple			
		Narrow	Medium	Wide	Cu	CuNi	Inox	Cu	CuNi	Inox	Cu	CuNi	Inox	
<b>C05 to 14</b>	Aluminium or Copper	90		160		380	380		100	100				<b>0.20 to 1.14</b>
<b>U05 to 14</b>		110		210					100					<b>0.26 to 1.46</b>
<b>T05 to 14</b>		90		190		380								<b>0.26 to 1.46</b>
<b>F07 to 17</b>		200	250	360		380	380		250	250		100	100	<b>0.57 to 3.80</b>
<b>L07 to 17</b>		200	310	380								100	100	<b>0.74 to 4.96</b>
<b>B07 to 17</b>		180	270	380					250	250				<b>0.85 to 4.74</b>
<b>A07 to 17</b>		160	250	360		590								<b>0.92 to 6.17</b>
<b>H08 to 18</b>		270	370	520	400	590	5590	200	380	380				<b>1.19 to 7.59</b>
<b>K09 to 19</b>		480	710	1000	740	1000	1000	370	590	590				<b>2.73 to 17.39</b>
<b>M11 to 20</b>		670	990	1000	900	1910	1910	450	1000	1000				<b>4.82 to 25.48</b>
<b>R11 t 21</b>		1140	1730	1910	1240	1910	1910	620	1000	1000				<b>6.60 to 42.14</b>

*Cu = Copper tubes bundle / CuNi = 90-10 Copper-nickel tubes bundle / Inox = 316L Stainless steel tubes bundle*

OPERATING PRESSURES				
Acceptable maximum pressure (bar)	SHELL side		TUBES side	
	Heat exchanger family			
	C-T-U	F-A-B-L-H-K-M-R	C-T-U	F-A-B-L-H-K-M-R
<b>Service</b>	20	16	16	10
<b>Test</b>	30	24	24	15

Heat exchangers **PICKER** are not submitted to the essential requirements of safety (security) of the Directive "PRESSURE EQUIPMENT" 97 / 23 / CE.  
Thus they are made according to the "rules of the art" (Art. 3§3 of this directive).



KEY POINTS	
<input type="checkbox"/>	Industrial versions
<input type="checkbox"/>	Marine versions
<input type="checkbox"/>	Completely knockdown devices
<input type="checkbox"/>	Guaranteed 2 years from our factory

MANUFACTURING MATERIALS	
Shell	Alloys of aluminium, copper, bronze
Bundle tube	Copper, copper-nickel, stainless steel 316L
Plate-tubular	Bronze
Baffle	Brass
Tie	Copper
Cover	Iron cast, bronze
Anode	Zinc
Counter-flange	Carbon steel, bronze
Screw and bolt	Carbon steel, brass
Central stem	Aluminium bronze
Joint	Nitrile, fluorocarbon (« VITON »), ethylene-propylene

### APPLICATIONS

Power generating unit, marine propulsion, propulsion convey, railway propulsion, pumping, machine of construction, speed-reduction gear, torque converter, gear box, hydraulic press, rolling mill, extrusion machine, crusher, machine tool, special machine, moulding plastics, hydro-electric power, station, winch, thermal engine, compressing, transmission, hydraulic equipment, car industry, aircraft industry, centralized greasing, compressor, fire protection, cutting fluid, transmitter, station of purification, fluid of hardening, oil industry, transformer fight ...