



PRODUCT OFFER

Air coolers are the heat exchanger type where as the coolant the atmospheric air is applied. Due to the availability of cheap coolant which is air, air coolers are widely used in chemical and petrochemical industry, refinery as well in power and gas industry.

Engineering scope:

- **Process design:** flow and thermal strictly acc. to clients requirements with **ASPEN Acol** and **HTRI Xace software**
- **Mechanical design:** strength calculation of pressure part and static calculation of support steel structure
Calculation of noise level caused by fans
Design of monitoring and control system
Design of lighting system
- Assembly at site.

Famet's offer includes:

- Tube bundles and air preheaters
- Plenums and diffusers, housings for air recirculation
- Louvers for air flow control
- Fans with driving system
- Support steel structures and process piping
- Monitoring and control system
- Lighting system
- Trial assembly of air coolers in manufacturing plant
- ASME (U-stamp), Lloyd's Register, TUV, UDT approvals.

Documentation is made in accordance with: PED 2014/68/CE, ASME, API 661, AD 2000 Code 2003, UDT.

Famet offers:

- AIR COOLER WITH INDUCED DRAFT FAN
- AIR COOLER WITH FORCED DRAFT FAN
- AIR COOLER WITH RECIRCULATION UNIT
- AIR COOLER IN ROOF INSTALLATION (A type)
- AIR COOLER IN VERTICAL ARRANGEMENT



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EXEMPLARY DELIVERIES

AIR COOLED HEAT EXCHANGERS

End User Company Name	Year	Number of Tube Bundles / Tube Length	Fans Number / Diameter	Temp. [°C]	Pressure [bar]	Material	Weight [kg]	Code Inspection
Grupa LOTOS SA	2017	1/6000	2/2438	150	5	CS	23 000	PED/2014/68/EU ASME VIII div1
FORTUM Silesia SA FORTUM ZABRZE	2017	32/15300	32/4877	135	10	CS	817 500	PED/2014/68/EU EN 13445
FORTUM Silesia SA FORTUM ZABRZE	2017	4/12600	4/4267	80	10	CS	68 250	PED 97/23/EC + PED/2014/68/EU EN 13445
TOTAL Raffinerie Mittel- deutschland GmbH TOTAL Leuna	2017	4/11000	4/4267	130	5	CS	90 600	PED/2014/68/EU AD 2000
AIR LIQUIDE GLOBAL E&C SOLUTION SA AIR LIQUIDE - Netherland	2017	1/3800	2/1219	450	43	SS	4930	PED/2014/68/EU ASME VIII div1
COOL SORPTION A/S SHELL Denmark	2016	1/4500	2/1385	100	10	CS	6750	PED/2014/68/EU ASME VIII div1
LINDE POORVO	2015	1/7800	2/2743	250	31	SS	33100	PED 97/23/EC + EN 13445
PROCHEM BIAŁORUŚ	2014	1/4250	2/1524	82	5,7	CS	8100	PED 2014/68/EU EN 13445-3:2009
PROCHEM BIAŁORUŚ	2014	1/2000	2/630	174	7,94	SS	1850	PED 2014/68/EU EN 13445-3:2009
TENGIZCHEVROIL - KAZAKHSTAN	2014	1 / 12493	Tube bundles only	180	10	CS	250	ASME Section VIII, Division1, 2013 Edition
PGNiG TECHNOLOGIE S.A JELENIÓW	2014	2 / 11000	2 / 3962	130	84	CS	37700	PED 97/23/EC + EN 13445
STALBUD TARNÓW / KGZ WILKÓW	2014	4 / 5498	1 / 3048	170	10 10 70 70	CS	8000	PED 97/23/EC + EN 13445
ETHOS ENERGY	2014	1 / 3566	Tube bundles only	100	4,2	SA 213 TP 304L	1400	PED 97/23/EC + EN 13446
CB&I Nederland BV, Dong Energy Denmark	2014	1/4000	2/1524	240	25,2/FV	CS	13 050	PED 97/23/EC ; ASME Section VIII, Division1
CB&I Nederland BV, Dong Energy Denmark	2014	1/6500	2/2134	240	25,2/FV	CS	21 700	PED 97/23/EC ; ASME Section VIII, Division1
CB&I Nederland BV, Dong Energy Denmark	2014	1/8500	2/2743	165	7/FV	SS-316L	22 500	PED 97/23/EC ; ASME Section VIII, Division1