



End User Company Name	Year	Number of Tube Bundles / Tube Length	Fans Number / Diameter	Temp. [°C]	Pressure [bar]	Material	Weight [kg]	Code Inspection
POLIMEX MOSTOSTAL	2025	1/6500	2/1524	85	50	CS	15400	"PED 2014/68/EU + EN 13445"
RAFINERIA GDAŃSKA	2025	2/8974	tube bundles only	260	29,5	CS	2x17865	"PED 2014/68/EU ASME Section VIII, Division1, 2021 Edition"
G5 GROUP AG	2025	1/5200	2/1829	180	162,0	CS	12300	"PED 2014/68/EU ASME Section VIII, Division1, 2023 Edition"
DOW BENELUX	2025	1/4310	2/1219	155	4,5	CS	4800	"PED 2014/68/EU ASME Section VIII, Division1, 2023 Edition"
LINDE	2025	12/11500	12/3962	150	25	CS	288000	"PED 2014/68/EU ASME Section VIII, Division1, 2023 Edition"
LINDE	2025	16/11500	16/3962	80	17,5	CS	365000	"PED 2014/68/EU ASME Section VIII, Division1, 2023 Edition"
ORLEN PROJEKT	2023	2/6150	4/2134	160	15,0	SS	27695	"PED 2014/68/EU ASME Section VIII, Division1, 2021 Edition"
ORLEN PROJEKT	2023	4/6150	8/1980	160	14,0	SS	45265	"PED 2014/68/EU ASME Section VIII, Division1, 2021 Edition"
ORLEN PROJEKT	2023	8/12400	8/4267	125	14,5	CS	166150	"PED 2014/68/EU ASME Section VIII, Division1, 2021 Edition"
POLIMEX MOSTOSTAL	2022	1/6800	2/2438	100	60	CS	15785	"PED 2014/68/EU + EN 13445"
GRUPA LOTOS	2022	1/10000	tube bundles only	100	6,0	CS	11200	"PED 2014/68/EU + EN 13445"
TRADE SERVICES MMC	2022	1/12200	tube bundles only	190	65,5	CS	13250	"ASME Section VIII, Division1, 2019 Edition"
AIR LIQUIDE GLOBAL E&C SOLUTIONS FRANCE	2022	1/1950	1/1385	150	4,0	SS	3380	"PED 2014/68/EU ASME Section VIII, Division1, 2019 Edition"
PKN ORLEN	2022	2/9144	tube bundles only	150	3,5	CS	2x9500	"PED 2014/68/EU + EN 13445"
PKN ORLEN	2022	4/9144	tube bundles only	120	14	CS	4x7425	"PED 2014/68/EU + EN 13445"
COOL SORPTION A/S SHELL Denmark	2021	1/6334	tube bundles only	100	10	Duplex	4570	"PED 2014/68/EU ASME Section VIII, Division1, 2019 Edition"
GRUPA LOTOS	2021	1/10000	tube bundles only	150	22,4	CS	5120	"PED 2014/68/EU + EN 13445"

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FERROX SP. Z O.O.	2021	1/2221	tube bundles only	320	12	CS	9600	"PED 2014/68/EU + EN 13445"
GRUPA LOTOS	2020	1/10000	tube bundles only	180	3,5	CS	9600	"PED 2014/68/EU ASME Section VIII, Division1, 2019 Edition"
GRUPA LOTOS	2020	3/10000	tube bundles only	173	3,5	CS	3x 7643	"PED 2014/68/EU ASME Section VIII, Division1, 2019 Edition"
GRUPA LOTOS	2020	1/10053	tube bundles only	180	29	SS	9900	"PED 2014/68/EU ASME Section VIII, Division1, 2019 Edition"
GRUPA LOTOS	2020	2/8400	tube bundles only	200	31,5	CS	2x9800	"PED 2014/68/EU ASME Section VIII, Division1, 2019 Edition"
ORLEN	2020	6/10000	tube bundles only	170	3,5	CS	6x 11230	"PED 2014/68/EU EN 13445"
ORLEN PROJEKT / ORLEN	2020	1/10000	2/3048	250	16,3	CS	18900	"PED 2014/68/EU ASME Section VIII, Division1, 2019 Edition"
AIR LIQUIDE	2020	4/4900	8/1829	266	34,47	SS	57690	"ASME Section VIII, Division1, U-STAMP Lloyd's Register"
RAFAKO / GAZ SYSTEM	2020	12/15300	12/4455	150	88,2	CS	272727	"PED 2014/68/EU EN 13445"
"TOTAL Raffinerie Mitteldeutschland GmbH TOTAL Leuna"	2020	1/9091	tube bundles only	260	12	CS	10990	"AD-Merkblätter 2000 PED 97/23/EC TÜV/ Nord"
"TOTAL Raffinerie Mitteldeutschland GmbH TOTAL Leuna"	2020	4/12129	tube bundles only	100	28	CS	4x 11250	"AD-Merkblätter 2000 PED 97/23/EC TÜV/ Nord"
"TOTAL Raffinerie Mitteldeutschland GmbH TOTAL Leuna"	2019 /2020	8/9144	tube bundles only	200	11,1	CS	8x 7990	"AD-Merkblätter 2000 PED 97/23/EC TÜV/ Nord"
"COOL SORPTION / EQUINOR"	2019	1/3650	2/1219	100	10	CS	4470	"PED 2014/68/EU EN 13445"
"COOL SORPTION / EQUINOR"	2019	1/6400	2/2134	100	10	CS	10422	"PED 2014/68/EU EN 13445"
AIR LIQUIDE	2019	2/16500	3/4267	235	34	SS	45250	PED 2014/68/EU ASME Section VIII, Division1, 2017 Edition
DOW	2018	1/2450	1/1372	250	25	CS	2067	PED 2014/68/EU + AD-MERKBLAT 2000
ORLEN	2018	1/8700	3/2134	260	8	CS	18000	PED 2014/68/EU ASME Section VIII, Division1, 2017 Edition



End User Company Name	Year	Number of Tube Bundles / Tube Length	Fans Number / Diameter	Temp. [°C]	Pressure [bar]	Material	Weight [kg]	Code Inspection
DOW	2018	2/11000	2/3962	250	10,34	CS	40700	PED 2014/68/EU; ASME Section VIII
LINDE	2018	2/7900	2/3048	200	77,4	CS	36455	EN 13445: 2014; TR CU 032/2013 EN ISO 13706 + LS 201-01
LINDE	2018	2/7100	4/2438	200	33	CS	31060	EN 13445: 2014; TR CU 032/2013 EN ISO 13706 + LS 201-01
LINDE	2018	12/14000	12/4877	150	57	CS	289200	EN 13445: 2014; TR CU 032/2013 EN ISO 13706 + LS 201-01
LINDE	2018	20/14900	20/4877	190	37	CS	505890	EN 13445: 2014; TR CU 032/2013 EN ISO 13706 + LS 201-01
LINDE	2018	1/3400	2/1385	150	10	CS	7340	EN 13445: 2014; TR CU 032/2013 EN ISO 13706 + LS 201-01
LINDE	2018	1/2000	2/710	230	11	CS	4015	EN 13445: 2014; TR CU 032/2013 EN ISO 13706 + LS 201-01
LINDE	2018	4/13600	4/4455	150	87	CS	95825	EN 13445: 2014; TR CU 032/2013 EN ISO 13706 + LS 201-01
PKN Orlen POLAND	2018	4/10000	Tube bundle only	170	3,5	CS	9200	PED 2014/68/EU + EN 13445
Grupa Azoty Zakłady Chemiczne „Police” S.A.	2017	1 / 7315	Tube bundle only	120	3	CS	3600	PED 2014/68/EU; ASME Section VIII
Grupa Azoty Zakłady Chemiczne „Police” S.A.	2017	1/10908	Tube bundle only	130	3	CS	7500	PED 2014/68/EU; ASME Section VIII
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 Mitteldeutschland 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

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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 JELENÍÓW	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
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
CB&I Nederland BV, Dong Energy Denmark	2014	2/8500	2/3353	165	27,5/FV	SS-316L	44 500	PED 97/23/EC ; ASME Section VIII, Division1
CB&I Nederland BV, Dong Energy Denmark	2014	2/8500	2/3353	165	27,5/FV	SS-316L	44 500	PED 97/23/EC ; ASME Section VIII, Division1
CB&I Nederland BV, Dong Energy Denmark	2014	1/8500	2/2743	165	9/FV	SS-316L	33 000	PED 97/23/EC ; ASME Section VIII, Division1
CB&I Nederland BV, Dong Energy Denmark	2014	1/8500	2/2743	165	9/FV	SS-316L	33 000	PED 97/23/EC ; ASME Section VIII, Division1
CB&I Nederland BV, Dong Energy Denmark	2014	1/400	2/1219	125	36/FV	CS	9 450	PED 97/23/EC ; ASME Section VIII, Division1
CB&I Nederland BV, Dong Energy Denmark	2014	2/10500	2/3658	70	19/FV	CS	38 350	PED 97/23/EC ; ASME Section VIII, Division1



End User Company Name	Year	Number of Tube Bundles / Tube Length	Fans Number / Diameter	Temp. [°C]	Pressure [bar]	Material	Weight [kg]	Code Inspection
CB&I Nederland BV, Dong Energy Denmark	2014	1/10500	3/2134	80	28/FV	CS	22 000	PED 97/23/EC ; ASME Section VIII, Division1
CB&I Nederland BV, Dong Energy Denmark	2014	1/4000	2/1524	125	18/FV	CS	7 450	PED 97/23/EC ; ASME Section VIII, Division1
CB&I Nederland BV, Dong Energy Denmark	2014	2/10500	2/3658	95	16,5/FV	CS	55 600	PED 97/23/EC ; ASME Section VIII, Division1
Airco Fin BV, Esso Nederland Bv Rotterdam Raffinaderij Holland	2014	1/3048	Tube bundles only	316	2,8	CS	2 785	PED 97/23/EC ; ASME Section VIII, Division1
CURZON CONSULTANTS CORP Uzbekistan	2014	1/10908	Tube bundles only	210/-28	253	CS	10750	ASME VIII div1
TOTAL Raffinerie Mitteldeutschland GmbH GERMANY	2014	4/12169	Tube bundles only	156	3,5	CS	4 x 11900	AD-Merkblätter 2000 PED 97/23/EC TÜV/ Nord
Linde AG Division Linde Engineering Malay, Malaysia	2014	4/10000	4/3658	80	10	CS	63 950	ASME Section VIII, Division1, 2010 Edition + Add. 2011 Lloyd's Register
SASOL Synfuels RSA	2014	1/7000	2/2 134	240	15/FV	CS	8 300	ASME Section VIII, Division1, U-STAMP Lloyd's Register
SASOL Synfuels RSA	2014	6/7000	6/2743	240	9/FV	SS-316L	24 100	ASME Section VIII, Division1, U-STAMP Lloyd's Register
SASOL Synfuels RSA	2014	1/4500	2/1780	225	22,9/FV	CS	7 800	ASME Section VIII, Division1, U-STAMP Lloyd's Register
TOTAL Raffinerie Mitteldeutschland GmbH GERMANY	2014	4/12143	Tube bundles only	120	9,5	CS	4 x 11630	AD-Merkblätter 2000 PED 97/23/EC TÜV/ Nord
Linde Engineering Dresden GmbH Nizhnekamsk, Russia	2013	3/5000	2/1650	220 180 370	8/FV 11/FV 15/FV	CS	6100	ASME Section VIII, Division1, U-STAMP Lloyd's Register
DOW Deutschland GmbH & CO. OHG Germany	2013	1/1250	1/1219	150	12/FV	SS-316Ti	1590	AD2000,PED97/23/EC TUV Nord
DOW Deutschland GmbH & CO. OHG Germany	2013	1/1250	1/1219	150	12/FV	SS-316Ti	1720	AD2000,PED97/23/EC TUV Nord
DOW Deutschland GmbH & CO. OHG Germany	2013	1/1250	1/1219	150	12/FV	SS-316Ti	1720	AD2000,PED97/23/EC TUV Nord
Linde Engineering Dresden GmbH Nizhnekamsk, Russia	2013	2/16500	3/5000	220 180 370	8/FV 11FV 15/FV	CS	6100	ASME Section VIII, Division1, 2010 Edition + Add. 2011
Linde AG Division Linde Engineering Malay, Malaysia	2013	1/5000	2/1829	170	55	CS	11 200	ASME Section VIII, Division1, 2010 Edition + Add. 2011

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Linde AG Division Linde Engineering Malay, Malaysia	2013	2/16500	3/4455	190	87	CS	56 000	ASME Section VIII, Division1, 2010 Edition + Add. 2011
Linde AG Division Linde Engineering Malay, Malaysia	2013	2/16500	3/4455	200	43,8	CS	57 700	ASME Section VIII, Division1, 2010 Edition + Add. 2011
Linde AG Division Linde Engineering Malay, Malaysia	2013	4/16500	6/3962	150	59	CS	96 900	ASME Section VIII, Division1, 2010 Edition + Add. 2011
Linde AG Division Linde Engineering Malay, Malaysia	2013	10/16500	15/3962	160	31	CS	213 100	ASME Section VIII, Division1, 2010 Edition + Add. 2011
Holborn Europa Raffinerie GmbH Germany	2013	4/9508	Tube bundle only	170/-10	38/FV	CS	48 000	AD 2000, PED 97/23/ EC/TUV
Lurgi GmbH Air Liquide Dormagen, Germany	2013	1/4700	2/1780	150	33	SS-304L	13 700	PED 97/23/EC ; ASME Section VIII, Division1, 2010 Edition + Add. 2011
Ruhr Oel GmbH Gelsenkirchen, Germany	2013	1/4500	2/1585	250	13	CS	13 500	AD 2000, PED 97/23/ EC/TUV
Grupa LOTOS S.A Gdańsk, Poland	2013	4/10000	Tube bundle only	173	3,5	CS	30 520	PED/97/23/EC EN 13445 UDT CERT
Grupa LOTOS S.A Gdańsk, Poland	2013	1/5000	Tube bundle only	200	14,5	CS	3 790	PED/97/23/EC EN 13445 UDT CERT
Grupa LOTOS S.A Gdańsk, Poland	2013	2/10000	Tube bundle only	200	10,5	CS	17 900	PED/97/23/EC EN 13445 UDT CERT
Control Process S.A Kossakowo Poland	2012	4/7000	1/6096	180 180 99 99	146 206 10 10	CS	49 700	PED/97/23/EC EN 13445 UDT CERT
POLIMEX MOSTOSTAL SA EC 1 Bielsko-Biała, Poland	2012	4/12500	4/3962	75/-30	7,5	CS	78265	PED/97/23/EC EN 13445 UDT CERT
RUHR OIL GmbH Germany	2012	3/12500	tube bundle only	120/-10	17	CS	3x 10200	PED/97/23/EC AD 2000 TUV
LINDE PROCESS PLANTS Ltd SASOL, South Africa	2012	3/6600	3/1385	255/-10	58	CS	14485	ASME VIII div 1 U Stamp Lloyd's Register
ORLEN PROJEKT SA ORLEN LIETUVA, LITUANIA	2012	1/2000	2/710	220/-36	8	CS	1100	PED/97/23/EC ASME VIII div1 UDT CERT
NAFTA GAZ SERWIS SA PGNiG, Kopalnia Tuligłowy Poland	2012	4/4000	1/2743	170/-30 170/-30 170/-30	10 63 63	CS	10050	PED/97/23/EC EN 13445 UDT CERT
UZBEKTRANSGAS HODZAABAD, UZBEKISTAN	2012	1/10908	tube bundle only	210/-28	253	CS	9100	ASME VIII div1



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RUHR OEL GmbH, Gelsenkirchen, Germany	2012	3/12380	tube bundle only	120/-10	17	CS	24900	AD 2000, PED 97/23/EC/TUV
Nafta Gaz Serwis S.A. PGNiG Kopalnia Terliczka POLAND	2011	3/2800	1/1829	170/-30 170/-30 150/-30	6,3 6,3 0,8	CS	7200	PED/97/23/EC + EN13445 UDT CERT
Nafta Gaz Serwis S.A. PGNiG Kopalnia Terliczka POLAND	2011	3/2800	1/1829	170/-30 170/-30 150/-30	6,3 6,3 0,8	CS	7200	PED/97/23/EC + EN13445 UDT CERT
ORLEN Projekt PKN ORLEN S.A. Płock POLAND	2011	1/10000	4/1980	260/-29	0,38	CS	19600	PED/97/23/EC + EN13445 UDT CERT
LINDE AG Division Linde Engineering Oil Refineries Lt.d. Haifa - ISRAEL	2011	2/14500	2/4877	330	35	SS-304L	40.700	ASME VIII Div.1 Lloyd's Register
Akrex Cool Sorption A/S DENMARK VOPAK Rotterdam - HOLLAND	2011	1/5900	2/1980	15,2	140	CS	11.800	PED 97/23/EC +EN 13445 ASME VIII Div.1
KB Pomorze Sp. z o.o. LOTOS ASFALT Sp. z o.o. POLAND	2011	1/2800	1/1829	0,3	145	CS	7.300	PED 97/23/EC +EN 13445 UDT CERT
ORLEN Projekt S.A. PGNiG Kopalnia Międzychód-Lubiatów-Grotów POLAND	2011	2/10.000	2/3658	200	2,413	CS	38.300	PED 97/23/EC +EN 13445 UDT CERT
ORLEN Projekt S.A. PGNiG Kopalnia Międzychód-Lubiatów-Grotów POLAND	2011	1/2000	1/1219	200	2,1	CS	3.600	PED 97/23/EC +EN 13445 UDT CERT
ORLEN Projekt S.A. PGNiG Kopalnia Międzychód-Lubiatów-Grotów POLAND	2011	2/10.000	2/3353	200	2,1	CS	30.700	PED 97/23/EC +EN 13445 UDT CERT
LURGI GmbH Air Liquide Herakles Rotterdam / HOLLAND	2010	2/11.500	3/2743	135	16	CS	24,500	PED/97/23/EC ASME VIII Div.1
PBG Technologia Sp. z o.o. PGNiG Kopalnia Międzychód-Lubiatów-Grotów POLAND	2010	1/3200	2/1219	120	6	CS	3.600	PED 97/23/EC +EN 13445 UDT CERT
PBG Technologia Sp. z o.o. PGNiG Kopalnia Międzychód-Lubiatów-Grotów POLAND	2010	1/1200	1/710	125	7,5	UNS S31803	1.750	PED 97/23/EC +EN 13445 UDT CERT
PBG Technologia Sp. z o.o. PGNiG PMG Wierzchowice POLAND	2010	1/9000	2/2743	175	13,5	CS	19.930	PED 97/23/EC +EN 13445 UDT CERT
STALBUD Tarnów Sp. z o.o. PGNiG PMG Strachocina POLAND	2010	2/7300	2/2000	120	6	CS	12.100	PED 97/23/EC +EN 13445 UDT CERT
STALBUD Tarnów Sp. z o.o. PGNiG PMG Strachocina POLAND	2010	1/7300	2/2743	120	100	CS	16.600	PED 97/23/EC +EN 13445 UDT CERT
STALBUD Tarnów Sp. z o.o. PGNiG PMG Strachocina POLAND	2010	2/7300	2/2000	120	6	CS	12.100	PED 97/23/EC +EN 13445 UDT CERT
STALBUD Tarnów Sp. z o.o. PGNiG PMG Strachocina POLAND	2010	1/7300	2/2743	120	100	CS	16.600	PED 97/23/EC +EN 13445 UDT CERT
STALBUD Tarnów Sp. z o.o. PGNiG PMG Strachocina POLAND	2010	2/7300	2/2000	120	6	CS	12.100	PED 97/23/EC +EN 13445 UDT CERT



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STALBUD Tarnów Sp. z o.o. PGNiG PMG Strachocina POLAND	2010	1/7300	2/2743	120	100	CS	16.600	PED 97/23/EC +EN 13445 UDT CERT
TOTAL Raffinerie Mitteldeutschland GmbH GERMANY	2010	5/12.077	Tube bundle only	156	3,5	CS	5x 11.900	AD-Merkblätter 2000 PED 97/23/EC TÜV/Client QC
PLYNOSTAV Pardubice Holding A.S. Czech Republic PGNiG PMG Wierzchowice	2010	8/10.000	8/3962	50	137,5	CS	145.880	PED 97/23/EC + EN 13445
LURGI GmbH Air Liquide Herakles Rotterdam / HOLLAND	2009	6/8.000	6/3048	200	33	SS-304LI	80.000	PED/ASME VIII
Fertilizer Plant PUŁAWY POLAND	2009	1/6082	2/2134	150	34,0	C-Steel	12.150	PED+EN 13445 UDT-CE
FORTUM CZĘSTOCHOWA S.A. POLAND	2009	16/16.500	16/5791	100	10	C-Steel	548.210	PED + EN-13445 UDT-CE
FORTUM CZĘSTOCHOWA S.A. POLAND	2009	4/11.600	4/3962	100	10	C-Steel	83.415	PED + EN-13445 UDT-CE
LURGI GmbH EuroChem Nevinnomyssk, RUSSIA	2009	2/6500	4/2134	182	0,8	C-Steel	43.050	ASME VIII DIV 1 QC/Client (GOST-R)
LURGI GmbH EuroChem Nevinnomyssk, RUSSIA	2009	2/6500	4/2134	182	0,8	C-Steel	42.165	ASME VIII DIV 1 QC/Client (GOST-R)
LURGI S.A. Grupa LOTOS S.A. Gdańsk, POLAND	2009	2/8000	4/2743	260	10	C-Steel	41.460	PED + EN-13445 UDT-CE
LURGI S.A. Grupa LOTOS S.A. Gdańsk, POLAND	2009	2/8000	4/2438	260	10	C-Steel	35.825	PED + EN-13445 UDT-CE
SHCHEKINOAZOT J.S.C. Shchekino, RUSSIA	2009	14/10500	14/3962	150	4,5	SS-304L	243.700	ASME VIII DIV 1 QC/Client (GOST-R)
SHCHEKINOAZOT J.S.C. Shchekino, RUSSIA	2009	4/10500	4/3353	160	5	C-Steel	48.900	ASME VIII DIV 1 QC/Client (GOST-R)
SHCHEKINOAZOT J.S.C. Shchekino, RUSSIA	2009	4/10500	4/4267	140	103	SS-304L	98.400	ASME VIII DIV 1 QC/Client (GOST-R)
PKN ORLEN S.A. Plock, POLAND	2008	4/10000	Tube bundle only	170	3,5	C-Steel	44.920	PED + EN-13445 UDT-CE
Grupa LOTOS S.A. Gdańsk, POLAND	2008	2/8000	Tube bundle only	200	6,0	SS-304	18.360	PED + EN-13445 UDT-CE
Grupa LOTOS S.A. Gdańsk, POLAND	2008	1/9976	Tube bundle only	286	30,8	C-Steel	8.014	PED + EN-13445 UDT-CE
Grupa LOTOS S.A. Gdańsk, POLAND	2008	1/6251	Tube bundle only	145	40,8/-1	C-Steel	2.890	PED + EN-13445 UDT-CE
Grupa LOTOS S.A. Gdańsk, POLAND	2008	1/6251	Tube bundle only	140	17,3/-1	C-Steel	2.920	PED + EN-13445 UDT-CE
Grupa LOTOS S.A. Gdańsk, POLAND	2008	4/10000	Tube bundle only	173	3,5	C-Steel	30.392	PED + EN-13445 UDT-CE
Grupa LOTOS S.A. Gdańsk, POLAND	2008	1/10000	Tube bundle only	90	10	C-Steel	4.914	PED + EN-13445 UDT-CE
Grupa LOTOS S.A. Gdańsk, POLAND	2008	2/9993	Tube bundle only	250	12,65	C-Steel	10,130	PED + EN-13445 UDT-CE
Grupa LOTOS S.A. Gdańsk, POLAND	2008	1/10000	Tube bundle only	200	17,9	C-Steel	5.275	PED + EN-13445 UDT-CE
Jordan Petroleum Refinery Co. Ltd Amman, JORDAN	2008	1/2000	1/1385	175	10,34	C-Steel	3.115	ASME VIII DIV 1 LLOYD'S REGISTER



End User Company Name	Year	Number of Tube Bundles / Tube Length	Fans Number / Diameter	Temp. [°C]	Pressure [bar]	Material	Weight [kg]	Code Inspection
Jordan Petroleum Refinery Co. Ltd Amman, JORDAN	2008	1/9144	Tube bundle only	200	16,6	SS-304	7.350	ASME VIII DIV 1 LLOYD'S REGISTER
Jordan Petroleum Refinery Co. Ltd Amman, JORDAN	2008	1/9144	Tube bundle only	121	236	C-Steel	6.000	ASME VIII DIV 1 LLOYD'S REGISTER
Jordan Petroleum Refinery Co. Ltd Amman, JORDAN	2008	3/9000	Tube bundle only	180	15,82	C-Steel	17.250	ASME VIII DIV 1 LLOYD'S REGISTER
Jordan Petroleum Refinery Co. Ltd Amman, JORDAN	2008	4/8920	Tube bundle only	180	3,52	C-Steel	19.040	ASME VIII DIV 1 LLOYD'S REGISTER
LURGI SA Grupa LOTOS S.A Gdańsk, POLAND	2008	6/7900	6/3048	200	31	SS-304	82.855	PED + EN 13445 UDT-CE
LURGI SA Grupa LOTOS S.A Gdańsk, POLAND	2008	1/10000	3/2220	200	21	C-Steel	25.080	PED + EN 13445 UDT-CE
LURGI SA Grupa LOTOS S.A Gdańsk, POLAND	2008	2/10000	2/2438	180	20	C-Steel	22.300	PED + EN 13445 UDT-CE
LURGI SA Grupa LOTOS S.A Gdańsk, POLAND	2008	1/10000	3/2134	160	23	C-Steel	99.700	PED + EN 13445 UDT-CE
LURGI SA Grupa LOTOS S.A Gdańsk, POLAND	2008	2/10000	2/3962	120	15	C-Steel	47.000	PED + EN 13445 UDT-CE
LURGI SA Grupa LOTOS S.A Gdańsk, POLAND	2008	6/8400	6/3200	200	45	C-Steel	163.350	PED + EN 13445 UDT-CE
LURGI SA Grupa LOTOS S.A Gdańsk, POLAND	2008	2/10000	2/3962	160	14,2	C-Steel	43.550	PED + EN 13445 UDT-CE
LURGI SA Grupa LOTOS S.A Gdańsk, POLAND	2008	2/10000	2/3962	200	25	C-Steel	83.700	PED + EN 13445 UDT-CE
LURGI SA Grupa LOTOS S.A Gdańsk, POLAND	2008	2/10000	2/3353	200	25	C-Steel	43.400	PED + EN 13445 UDT-CE
LURGI SA Grupa LOTOS S.A Gdańsk, POLAND	2008	5/10000	15/2438	200	3,5	Duplex	114.100	PED + EN 13445 UDT-CE
LURGI SA Grupa LOTOS S.A Gdańsk, POLAND	2008	1/10000	3/2134	200	44	C-Steel	32.500	PED + EN 13445 UDT-CE
MOSTOSTAL PUŁAWY S.A ZACHEM S.A Bydgoszcz, POLAND	2008	4/7200	4/2220	150	1,5	C-Steel	55.720	PED + EN 13445 UDT-CE
Petrochemia Białochownia S.A. Kędzierzyn-Koźle, POLAND	2008	1/7300	2/2438	140	2	C-Steel	27.195	PED + EN 13445 UDT-CE
Fertilizer Plant PUŁAWY POLAND	2008	1/6082	2/2134	150	34,0	C-Steel	12.150	PED + EN 13445 UDT-CE
Zakłady Azotowe w Tarnowie Mościcach S.A. POLAND	2008	2/1740	Tube bundle only	250	11	C-Steel	601	PED + EN 13445 UDT-CE
EXXON MOBIL ESSO Refinery HOLLAND	2008	1/6096	Tube bundle only	93	24,6	C-Steel	2.365	ASME LLOYD'S REGISTER (LR-CE)
EXXON MOBIL ESSO Refinery HOLLAND	2008	4/9144	Tube bundle only	93	19,7	C-Steel	24.000	ASME LLOYD'S REGISTER (LR-CE)
EXXON MOBIL ESSO Refinery HOLLAND	2008	2/9144	Tube bundle only	258	74	C-Steel	16.100	ASME LLOYD'S REGISTER (LR-CE)
Zakład Odmetanowania Kopalń ZOK II Rybnik, POLAND	2007	3/1106	Tube bundle only	100	10	C-Steel	3.450	PED + EN 13445 UDT-CE

# Air-cooled Heat Exchangers - Reference List



End User Company Name	Year	Number of Tube Bundles / Tube Length	Fans Number / Diameter	Temp. [°C]	Pressure [bar]	Material	Weight [kg]	Code Inspection
DOW CHEMICAL Terneuzen HOLLAND	2007	6/9508	Tube bundle only	100	7	C-Steel	29.790	PED / ASME VIII LR-CE
AKER KVAERNER COOL SORPTION DENMARK STATOIL MONGSTAD Refinery - NORWAY	2007	1/8000	2/20348	50/-15	10	C-Steel	28.000	ASME VIII DIV 1 LLOYD'S REGISTER
AKER KVAERNER COOL SORPTION DENMARK STATOIL MONGSTAD Refinery - NORWAY	2007	1/8000	2/20348	50/-15	10	C-Steel	28.000	ASME VIII DIV 1 LLOYD'S REGISTER
Fertilizer Plant PUŁAWY POLAND	2007	4/8160	4/3048	100	350	C-Steel	55.600	PED+EN 13445 UDT-CE
LINDE AG TOTAL REFFINADERIJ Vlissingen, HOLLAND	2007	1/8000	2/2775	310	34	SS-316L	20.500	PED - ASME VIII DIV 1 LLOYD'S REGISTER - CE
Grupa LOTOS S.A. Gdańsk, POLAND	2007	4/6000	2/2475	150	10	C-Steel	16.500	PED - ASME VIII DIV 1 UDT-CE
Grupa LOTOS S.A. Gdańsk POLAND	2007	4/6000	4/2475	150	3,5	C-Steel	51.800	PED - ASME VIII DIV 1 UDT-CE
PROCHEM S.A. Petrochemia Blachownia S.A. POLAND	2006	1/8000	2/1829	200/-29	21	C-Steel	22.700	PED+EN 13345 UDT-CE
PROCHEM S.A. Petrochemia Blachownia S.A. POLAND	2006	1/8000	3/1385	175/-29	3,5	C-Steel	21.200	PED+EN 13345 UDT-CE
PROCHEM S.A. Petrochemia Blachownia S.A. POLAND	2006	2/9600	4/3048	200/-29	3,5	C-Steel	74.000	PED+EN 13345 UDT-CE
TENGIZCHEVROIL Tengiz, KAZAKHSTAN	2006	8/12493	-	120/-40	5	C-Steel	84.000	ASME VIII DIV 1 LLOYD'S REGISTER (U-Stamp)
Fluor Transworld Services YANBU, National Petrochemical Company SABIC SAUDI ARABIA	2006	6/12200	6/4267	343/-5	7	C-Steel	125.700	ASME VIII DIV 1 LLOYD'S REGISTER (U-Stamp)
ENEX Process Engineering Gas Compression Station DOVLETABAD TURKMENISTAN	2006	8/13000	8/4267	160/-26	88	C-Steel	192.900	ASME Sec. VIII QC / CLIENT
ENEX Process Engineering Gas Compression Station DOVLETABAD TURKMENISTAN	2006	8/13000	8/4267	160/-26	88	C-Steel	192.900	ASME Sec. VIII QC / CLIENT
ENEX Process Engineering Gas Compression Station DOVLETABAD TURKMENISTAN	2006	8/13000	8/4267	160/-26	88	C-Steel	192.900	ASME Sec. VIII QC / CLIENT
ENEX Process Engineering Gas Compression Station DOVLETABAD TURKMENISTAN	2006	4/16500	6/4267	130/-26	69	C-Steel	150.000	ASME Sec. VIII QC / CLIENT
ENEX Process Engineering Gas Compression Station DOVLETABAD TURKMENISTAN	2006	4/16500	6/4267	130/-26	69	C-Steel	150.000	ASME Sec. VIII QC / CLIENT
ENEX Process Engineering Gas Compression Station DOVLETABAD TURKMENISTAN	2006	4/16500	6/4267	130/-26	69	C-Steel	150.000	ASME Sec. VIII QC / CLIENT
Engineering Technologies International Ltd Gas Compression Station KOKDUMALAK UZBEKISTAN	2006	2/10677	2/3962	125/-27	298	C-Steel	32.800	ASME Sec. VIII QC / CLIENT



End User Company Name	Year	Number of Tube Bundles / Tube Length	Fans Number / Diameter	Temp. [°C]	Pressure [bar]	Material	Weight [kg]	Code Inspection
Engineering Technologies International Ltd Gas Compression Station KOKDUMALAK UZBEKISTAN	2006	2/10677	2/3962	125/-27	298	C-Steel	32.800	ASME Sec. VIII QC / CLIENT
Engineering Technologies International Ltd Gas Compression Station KOKDUMALAK UZBEKISTAN	2006	2/10677	2/3962	125/-27	298	C-Steel	32.800	ASME Sec. VIII QC / CLIENT
Engineering Technologies International Ltd Gas Compression Station KOKDUMALAK UZBEKISTAN	2006	2/10677	2/3962	125/-27	298	C-Steel	32.800	ASME Sec. VIII QC / CLIENT
Engineering Technologies International Ltd Gas Compression Station KOKDUMALAK UZBEKISTAN	2006	2/13110	2/4267	170/-27	188	C-Steel	56.300	ASME Sec. VIII QC / CLIENT
Engineering Technologies International Ltd Gas Compression Station KOKDUMALAK UZBEKISTAN	2006	2/13110	2/4267	170/-27	188	C-Steel	56.300	ASME Sec. VIII QC / CLIENT
Engineering Technologies International Ltd Gas Compression Station KOKDUMALAK UZBEKISTAN	2006	2/13110	2/4267	170/-27	188	C-Steel	56.300	ASME Sec. VIII QC / CLIENT
Engineering Technologies International Ltd Gas Compression Station KOKDUMALAK UZBEKISTAN	2006	2/13110	2/4267	170/-27	188	C-Steel	56.300	ASME Sec. VIII QC / CLIENT
Engineering Technologies International Ltd Gas Compression Station KOKDUMALAK UZBEKISTAN	2006	2/11125	2/3962	155/-27	62,5	C-Steel	47.400	ASME Sec. VIII QC / CLIENT
Engineering Technologies International Ltd Gas Compression Station KOKDUMALAK UZBEKISTAN	2006	2/11125	2/3962	155/-27	62,5	C-Steel	47.400	ASME Sec. VIII QC / CLIENT
Engineering Technologies International Ltd Gas Compression Station KOKDUMALAK UZBEKISTAN	2006	2/11125	2/3962	155/-27	62,5	C-Steel	47.400	ASME Sec. VIII QC / CLIENT
Engineering Technologies International Ltd Gas Compression Station KOKDUMALAK UZBEKISTAN	2006	2/11125	2/3962	155/-27	62,5	C-Steel	47.400	ASME Sec. VIII QC / CLIENT
Gas Compression Station WŁOCLAWEK - Expansion Project YAMAL EUROPOLGAZ POLAND	2005	8/9000	4/5486	43,3-32,5	84,5	TStE 355 C-Steel	126.000	ED+EN 13445 UDT-CE
Gas Compression Station WŁOCLAWEK - Expansion Project YAMAL EUROPOLGAZ POLAND	2005	8/9000	4/5486	43,3-32,5	84,5	TStE 355 C-Steel	126.000	ED+EN 13445 UDT-CE
Gas Compression Station WŁOCLAWEK - Expansion Project YAMAL EUROPOLGAZ POLAND	2005	8/9000	4/5486	43,3-32,5	84,5	TStE 355 C-Steel	126.000	ED+EN 13445 UDT-CE

# Air-cooled Heat Exchangers - Reference List



End User Company Name	Year	Number of Tube Bundles / Tube Length	Fans Number / Diameter	Temp. [°C]	Pressure [bar]	Material	Weight [kg]	Code Inspection
DOW CHEMICAL Tarragona, SPAIN	2005	2/3804	1/2475	200/-10	13,4/FV	C-Steel	13.000	PED/ASME VIII LR-CE
DOW CHEMICAL Tarragona, SPAIN	2005	1/6600	2/1524	280	29,5	C-Steel	12.000	PED/ASME VIII LR-CE
DOW CHEMICAL Tarragona, SPAIN	2005	1/2504	1/1780	280	29,5	C-Steel	10.000	PED/ASME VIII LR-CE
Fertilizer Plant PUŁAWY POLAND	2005	1/6082	2/2134	150	34	C-Steel	12.150	PED+EN 13445 UDT-CE
PROCHEM S.A TRZEBINIA Refinery POLAND	2005	1/4200	2/1524	100	7	C-Steel	14.100	PED+EN 13445 UDT-CE
PROCHEM S.A TRZEBINIA Refinery POLAND	2005	1/4200	2/1585	260	3,5/FV	C-Steel	14.000	PED+EN 13445 UDT-CE
Gupa LOTOS S.A. Gdańsk, POLAND	2005	2/10000	-	173	3,5	C-Steel	15.200	PED+EN 13445 UDT-CE
Gas Compression Station ZAMBRÓW Project YAMAL ABB Zamech Ltd POLAND	2005	8/15500	8/5486	70/-10	92	TStE 355 C-Steel	187.700	PED/AD-Merkblatt TÜV-CE
Gas Compression Station ZAMBRÓW Project YAMAL ABB Zamech Ltd POLAND	2005	8/15500	8/5486	70/-10	92	TStE 355 C-Steel	187.700	PED/AD-Merkblatt TÜV-CE
Gas Compression Station ZAMBRÓW Project YAMAL ABB Zamech Ltd POLAND	2005	8/15500	8/5486	70/-10	92	TStE 355 C-Steel	187.700	PED/AD-Merkblatt TÜV-CE
Engineering Technologies International Ltd BUKHARA Refinery UZBEKISTAN	2004	2/9144	Tube bundle only	130/-28	6,5	C-Steel	20.260	ASME Sec. VIII LR
Engineering Technologies International Ltd BUKHARA Refinery UZBEKISTAN	2004	2/9144	Tube bundle only	130/-28	25,2	C-Steel	15.300	ASME Sec. VIII LR
Engineering Technologies International Ltd BUKHARA Refinery UZBEKISTAN	2004	6/9144	Tube bundle only	150/-28	3,4	C-Steel	58.080	ASME Sec. VIII LR
DOW CHEMICAL Tarragona, SPAIN	2004	2/1997	1/1224	288	21,6	A334 Gr6 C-Steel	3.890	PED/ASME VIII LR-CE
DOW CHEMICAL Tarragona, SPAIN	2004	1/1797	1/1224	300	14	A179 C-Steel	4.850	PED/ASME VIII LR-CE
DOW CHEMICAL Tarragona, SPAIN	2004	6/11000	6/3962	250	10,3	A179 C-Steel	110.000	PED/ASME VIII LR-CE
Grupa LOTOS S.A. Gdańsk, POLAND	2004	2/9992	3962	155	23,4	C-Steel	25.100	PED+EN 13445 UDT
Grupa LOTOS S.A. Gdańsk, POLAND	2004	2/9993	3568	180	3,5	C-Steel	35.200	PED+EN 13445 UDT-CE
Grupa LOTOS S.A. Gdańsk, POLAND	2004	4/10000	Tube bundle only	173	3,5	C-Steel	7.580	PED+EN 13445 UDT-CE
Grupa LOTOS S.A. Gdańsk, POLAND	2004	2/10000	Tube bundle only	173	3,5	C-Steel	15.600	PED+EN 13445 UDT-CE
Grupa LOTOS S.A. Gdańsk, POLAND	2004	2/9450	Tube bundle only	150	7,9	C-Steel	12.200	PED+EN 13445 UDT-CE
Grupa LOTOS S.A. Gdańsk, POLAND	2004	2/10000	Tube bundle only	100	15,2	C-Steel	20.400	PED+EN 13445 UDT-CE



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 S.A. Gdańsk, POLAND	2004	4/10000	Tube bundle only	155	23,4	C-Steel	30.320	PED+EN 13445 UDT-CE
Gas Compression Station SZAMOTUŁY Project YAMAL ABB Zamech Ltd POLAND	2004	8/15500	8/5486	70/-10	92	TStE 355 C-Steel	188.000	PED/EN 13445 TÜV-CE
Gas Compression Station SZAMOTUŁY Project YAMAL ABB Zamech Ltd POLAND	2004	8/15500	8/5486	70/-10	92	TStE 355 C-Steel	188.000	PED/EN 13445 TÜV-CE
Gas Compression Station CIECHANÓW Project YAMAL ABB Zamech Ltd POLAND	2004	8/15500	8/5486	70/-10	92	TStE 355 C-Steel	188.000	PED/EN 13445 TÜV-CE
Gas Compression Station CIECHANÓW Project YAMAL ABB Zamech Ltd POLAND	2004	8/15500	8/4455	70/-10	92	TStE 355 C-Steel	153.000	PED/EN 13445 TÜV-CE
Gas Compression Station CIECHANÓW Project YAMAL ABB Zamech Ltd POLAND	2004	8/15500	8/4455	70/-10	92	TStE 355 C-Steel	153.000	PED/EN 13445 TÜV-CE
Gas Compression Station CIECHANÓW Project YAMAL ABB Zamech Ltd POLAND	2004	8/15500	8/4455	70/-10	92	TStE 355 C-Steel	153.000	AD-Merkblatt TÜV-CE
ORLEN Płock, POLAND	2004	1/9144	3048	140	3,5	C-Steel	45.400	PED TÜV-CE
ORLEN Płock, POLAND	2004	2/9144	2743	205	20	C-Steel	65.600	PED TÜV-CE
PIECOBIOGAZ Dzieduszyce 3, POLAND	2003	1/1800	1385	210	6	C-Steel	1.670	UDT UDT
PIECOBIOGAZ Sławoborze, POLAND	2003	1/2050	1585	204	3,6	C-Steel	2.160	UDT UDT
PGNiG Załęcze, POLAND	2003	1/7330	2500	149	10,34	C-Steel	2.500	UDT UDT
Kuwait National Petroleum Company KUWAIT	2003	2/9144	-	254	21,44	C-Steel	5.160	ASME CLIENT
OIL REFINERY Gdańsk, POLAND	2003	2/10000	-	173	3,5	C-Steel	15.200	UDT UDT
Parsons Fluor Daniel TENGIZCHEVROIL Tengiz, KAZAKHSTAN	2003	10/9144	10/3660	90	6,5	C-Steel	145.200	ASME LLOYD'S REGISTER (U-STAMP)
Parsons Fluor Daniel TENGIZCHEVROIL Tengiz, KAZAKHSTAN	2003	10/9144	10/3660	90	6,5	C-Steel	145.200	ASME LLOYD'S REGISTER (U-STAMP)
Parsons Fluor Daniel TENGIZCHEVROIL Tengiz, KAZAKHSTAN	2002	4/12189	4/4570	150	100	C-Steel	89.400	ASME LLOYD'S REGISTER (U-STAMP)
EXXON Mobil ESSO Refinery HOLLAND	2002	1/3242	Tube bundle only	258	26,5	SS 316L	4.100	ASME LLOYD'S REGISTER (U-STAMP, CE)
LURGI Bipronaft Hydrocomplex GLIMAR Gorlice, POLAND	2002	1/5542	2/1585	300	21,5	C-Steel	11.000	UDT UDT

# Air-cooled Heat Exchangers - Reference List



End User Company Name	Year	Number of Tube Bundles / Tube Length	Fans Number / Diameter	Temp. [°C]	Pressure [bar]	Material	Weight [kg]	Code Inspection
LURGI Biproraft Hydrocomplex GLIMAR Gorlice, POLAND	2002	1/2046	1/1100	270	16,6	C-Steel	8.300	UDT UDT
LURGI Biproraft Hydrocomplex GLIMAR Gorlice, POLAND	2002	2/6093	4/2000	300 260	16,9 12,6	C-Steel	20.300	UDT UDT
LURGI Biproraft Hydrocomplex GLIMAR Gorlice, POLAND	2002	1/6066	2/1585	365	25,7	C-Steel	10.500	UDT UDT
LURGI Biproraft Hydrocomplex GLIMAR Gorlice, POLAND	2002	3/6052	6/2500	325 295 255	20 20 21,5	C-Steel	20.600	UDT UDT
LURGI BIPRONAFT Hydrocomplex GLIMAR Gorlice, POLAND	2002	2/6048	4/2438	180	26	C-Steel	23.900	UDT UDT
LURGI BIPRONAFT Hydrocomplex GLIMAR Gorlice, POLAND	2002	1/6048	2/2000	180	162,2	C-Steel	22.100	UDT UDT
LURGI BIPRONAFT Hydrocomplex GLIMAR Gorlice, POLAND	2002	2/6048	4/2200	232	3,6	C-Steel	42.300	UDT UDT
LURGI BIPRONAFT Hydrocomplex GLIMAR Gorlice, POLAND	2002	1/6048	Tube bundle only	300	30	C-Steel	3.900	UDT UDT
LURGI BIPRONAFT Hydrocomplex GLIMAR Gorlice, POLAND	2002	1/6093	2/2200	200	155	C-Steel	29.900	ASME / UDT UDT
ABB Zamech Gazpetro Gas Compression Station WIERZCHOSŁAWICE POLAND	2002	4/3044	1/2800	180	86	C-Steel	7.300	UDT UDT
ABB Zamech Gazpetro Gas Compression Station ŻOŁYNIA POLAND	2002	4/3044	1/2500	180	69	C-Steel	5.900	UDT UDT
EXXON Mobil ESSO Refinery HOLLAND	2002	1/9144	Tube bundle only	93	19,7	C-Steel	6.200	ASME LLOYD'S REGISTER (U-STAMP, CE)
EXXON Mobil ESSO Refinery HOLLAND	2002	4/9136	Tube bundle only	171	26	C-Steel	38.400	ASME LLOYD'S REGISTER (U-STAMP, CE)
EXXON Mobil ESSO Refinery HOLLAND	2002	2/9144	Tube bundle only	74	26	C-Steel	17.400	ASME LLOYD'S REGISTER (U-STAMP, CE)
OIL REFINERY Gdańsk, POLAND	2001	1/10000	Tube bundle only	250	12,9	C-Steel	6.900	UDT UDT
OIL REFINERY Gdańsk, POLAND	2001	2/10000	Tube bundle only	150	7,9	C-Steel	23.000	UDT UDT
ELF-Bitumen GERMANY	2001	2/9144	Tube bundle only	150	4	1.4539	20.500	AD-Merkblatt TÜV
LINGEN Oil Refinery GERMANY	2001	4/9144	Tube bundle only	200	30	C-Steel	26.000	AD-Merkblatt TÜV
SHELL Oil Refinery GERMANY	2001	3/10120	Tube bundle only	220	57	C-Steel	27.000	AD-Merkblatt TÜV
BASF AG GERMANY	2001	3/4328	Tube bundle only	90	6	C-Steel	13.000	AD-Merkblatt TÜV
BASF AG GERMANY	2001	4/12450	Tube bundle only	120	105	C-Steel	36.000	AD-Merkblatt TÜV
MIRO Mineral Oil Refinery GERMANY	2001	2/10000	Tube bundle only	175	8	DUPLEX 1.4462 St. 35.8 I	19.200	AD-Merkblatt TÜV
PK INVEST RUSSIA	2001	4/5991	Tube bundle only	135	17	1.4541 C-Steel	15.000	AD-Merkblatt CLIENT



End User Company Name	Year	Number of Tube Bundles / Tube Length	Fans Number / Diameter	Temp. [°C]	Pressure [bar]	Material	Weight [kg]	Code Inspection
PK INVEST RUSSIA	2001	4/5934	Tube bundle only	150	54	C-Steel 1.4541	16.000	AD-Merkblatt CLIENT
Aerosol France Sarl FRANCE	2001	1/9340	2/3048	99-55	4	St. 35.8 P2656H	12.500	AD-Merkblatt TÜV
Degussa-Huls AG GERMANY	2001	1/9340	2/3048	99-55	4	St. 35.8 P2656H	12.500	AD-Merkblatt TÜV
ALSTOM POWER Fan Gas Air Cooler Compressor Station ZAŁĘCZE POLAND	2001	4/6096	1/5445	86-55	71,5	C-Steel	21.310	UDT UDT
ALSTOM POWER Fan Gas Air Cooler Compressor Station ŻUCHŁÓW POLAND	2001	4/6096	1/5445	89-55	71,5	C-Steel	22.230	UDT UDT
ALSTOM POWER Fan Gas Air Cooler Compressor Station ŻUCHŁÓW POLAND	2001	4/6096	1/5445	89-55	71,5	C-Steel	22.230	UDT UDT
ALSTOM POWER Power Plant EC4 Łódź, POLAND	2001	10/12000	10/3962	70-45	12	C-Steel	164.000	UDT UDT
ABB Zamech Gazpetro Gas Compression Station KRZYWA POLAND	2001	1/4850	2/1585	99-50	60,5	C-Steel	8.600	UDT UDT
ABB Zamech Gazpetro Gas Compression Station KRZYWA POLAND	2001	1/4850	2/1585	99-50	60,5	C-Steel	8.600	UDT UDT
ABB Zamech Gazpetro Gas Compression Station KRZYWA POLAND	2001	1/4850	2/1585	99-50	60,5	C-Steel	8.600	UDT UDT
ABB Zamech Gazpetro Gas Compression Station JELENIÓW POLAND	2001	1/3600	2/1385	64-50	60,5	C-Steel	7.300	UDT UDT
ABB Zamech Gazpetro Gas Compression Station JELENIÓW POLAND	2001	1/3600	2/1385	64-50	60,5	C-Steel	7.300	UDT UDT
ABAN Air Cooler Co. IRAN	2001	Headers 4 pcs	Tube bundle only	200	20	SS-SA321	1.890	ASME VII DIV 1 LLOYD'S REGISTER
AIRCO-FIN HOLLAND	2000	Headers 12 pcs	Tube bundle only	135	3,25	C-Steel	6.750	ASME VII DIV 1 LLOYD'S REGISTER
Haldor Topsøe A/S DENMARK Oil Refinery JEDLICZE POLAND	2000	1/3500	2/1200	151-40	30	SS-Steel	5.600	UDT / ASME UDT
Oil Refinery JEDLICZE POLAND	2000	1/10000	2/2740	244-60	21	A179 A516Gr.70	30.400	UDT / ASME UDT
Gas Compression Station WŁOCLAWEK Project YAMAL ABB Zamech Ltd POLAND	1999	8/9000	4/5486	35,3-30	84,5	TStE 355 C-Steel	126.000	UDT / AD-Merblatt UDT
Gas Compression Station WŁOCLAWEK Project YAMAL ABB Zamech Ltd POLAND	1999	8/9000	4/5486	35,3-30	84,5	TStE 355 C-Steel	126.000	UDT / AD-Merblatt UDT