

(Originally VÍTKOVICE POWER ENGINEERING a.s.)

## **REFERENCE LIST OF BOILER DRUMS**

(Since 2000)

<b>YEAR</b>	<b>PROJECT, COUNTRY</b>	<b>PCS.</b>	<b>DIMENSIONS (mm)</b>	<b>THIRD PARTY STANDARD</b>	<b>DESIGN PRESSURE</b>	<b>QUALITY OF MATERIAL</b>
2000	Pulau Sacra, Singapore	2	∅ 2504x152-15300	FMIC TÜVBV ASME Code Sect. I, S Stamp	16,2 MPa	SA 299
2000	Pulau Sacra, Singapore	2	∅ 2622x61-1520	FMIC TÜVBV ASME Code Sect. I, S Stamp	5,6 MPa	SA 516 Gr. 70
2000	VISY, Australia	1	∅ 1600x59-9700	FMIC TÜVBV ASME Code Sect. I, Australian Code	8 MPa	SA 299
2000	VISY, Australia	1	∅ 1600x66-7730	FMIC TÜVBV ASME Code Sect. I, Australian Code	8,5 MPa	SA 299
2000	ESCH SUR ALZETTE, Luxembourg	1	∅ 2435x117-12830	LUX CONTROL ASME Code Sect. I, Australian Code	12,9 MPa	SA 299
2000	ESCH SUR ALZETTE, Luxembourg	1	∅ 2600x50-2750	LUX CONTROL ASME Code Sect. I, Australian Code	4,5 MPa	SA 516 Gr. 70
2000	ESCH SUR ALZETTE, Luxembourg	1	∅ 2340x20-6420	LUX CONTROL ASME Code Sect. I, Australian Code	1,1 MPa	SA 516 Gr. 70
2000	Vřesová, Czech Republic	1	∅ 1800x80-12000	ITI Praha ČSN 070622	16,54 MPa	15NiCuMoNb5 (WB36)
2000	Teplárna Zlín, Czech Republic	1	∅ 1800x60-8400	ITI Praha ČSN 070622	11,2 MPa	15NiCuMoNb5 (WB36)

YEAR	PROJECT, COUNTRY	PCS.	DIMENSIONS (mm)	THIRD PARTY STANDARD	DESIGN PRESSURE	QUALITY OF MATERIAL
2000	Katrinefors, Sweden	1	∅ 1500x46-6800	RW TÜV TRD, PED 97/23/EC	9,9 MPa	15NiCuMoNb5 (WB36)
2001	Clauen, Germany	1	∅ 2200x75-6600	RW TÜV TRD	10,8 MPa	15NiCuMoNb5 (WB36)
2001	Tarragona, Spain	2	∅ 1200x48-11420	RW TÜV TRD	5,4 MPa	19Mn6
2001	Tarragona, Spain	2	∅ 1800x70-11420	RW TÜV TRD	5,4 MPa	19Mn6
2001	Tamuin, Mexico	2	∅ 1600x106-9510	FMIC TÜVBV ASME Code Sect. I, S Stamp	15,3 MPa	SA 516 Gr. 70
2001	Petkim, Turkey	1	∅ 1800x40	RW TÜV TRD, PED 97/23/EC	5,0 MPa	17Mn4
2001	Vřesová, Czech Republic	1	∅ 1800x80-12000	ITI TÜV ČSN 070622	16,54 MPa	15NiCuMoNb5 (WB36)
2001	KINGSPORT, U.S.A.	1	∅ 1828,8x78-10100	FMIC TÜVBV ASME Code Sect. I, S Stamp, NB registered	113 bar	SA 302 Gr. B
2001	Adana, Turkey	2	∅ 1300x16-6266	Lloyd's Register ASME Code Sect. I, S Stamp	1,0 MPa	SA 285 Gr. C
2001	Adana, Turkey	2	∅ 2200x16-12000	Lloyd's Register ASME Code Sect. I, S Stamp	0,6 MPa	SA 285 Gr. C
2001	Tamuin, Mexico	1	∅ 1600x106-9510	FMIC TÜVBV ASME Code Sect. I, S Stamp	15,3 MPa	SA 516 Gr. 70
2001	Salmi Voima, Finland	1	∅ 1500x70-6800	RW TÜV TRD, PED 97/23/EC Module G	10,9 MPa	15NiCuMoNb5 (WB36)
2001	Mersin, Turkey	1	∅ 1300x16-6266	Lloyd's Register ASME Code Sect. I, S Stamp	1,0 MPa	SA 285Gr.C
2001	Canakkale, Turkey	1	∅ 1300x16-6266	Lloyd's Register ASME Code Sect. I, S Stamp	1,0 MPa	SA 285 Gr. C
2001	Mersin, Turkey	1	∅ 2200x16-12000	Lloyd's Register ASME Code Sect. I, S Stamp	0,6 MPa	SA 285 Gr. C

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2001	Canakkale, Turkey	1	Ø 2200x16-12000	Lloyd's Register ASME Code Sect. I, S Stamp	0,6 MPa	SA 285 Gr. C
2001	Adana, Turkey	2	Ø 1600x70-12000	Lloyd's Register ASME Code Sect. I, S Stamp	11,2 MPa	SA 299
2001	Adana, Turkey	2	Ø 1300x16-6266	Lloyd's Register ASME Code Sect. I, S Stamp	1,0 MPa	SA 285 Gr. C
2001	Adana, Turkey	2	Ø 2200x16-12000	Lloyd's Register ASME Code Sect. I, S Stamp	0,6 MPa	SA 285 Gr. C
2001	Mersin, Turkey	1	Ø 1600x55-12000	Lloyd's Register ASME Code Sect. I, S Stamp	8,7 MPa	SA 299
2001	Canakkale, Turkey	1	Ø 1600x55-12000	Lloyd's Register ASME Code Sect. I, S Stamp	8,7 MPa	SA 299
2001	Air Product Rotterdam, Netherlands	1	Ø 2300x30-5400	Lloyd's Register STOOMWEZEN	3,0 MPa	P295GH
2002	Lyondell Rotterdam, Netherlands	1	Ø 2000x75-12080	Lloyd's Register STOOMWEZEN, EN 97/13/EC Module G	7,3 MPa	P295GH
2002	Lyondell Rotterdam, Netherlands	1	Ø 2500x90-6300	Lloyd's Register STOOMWEZEN, EN 97/23/EC Module G	7,3 MPa	P295GH
2002	Vřesová, Czech Republic	1	Ø 1800x80-12000	ITI TÜV ČSN 070622	16,54 MPa	15NiCuMoNb5 (WB36)
2002	Eesti Narva, Estonia	2	Ø 1846x85-16100	TKK Estonia, Inspecta, TRD. Estonia Rules	16,3 MPa	15NiCuMoNb5 (WB36)
2002	Starobeshevo, Ukraine	1	Ø 2000x92-14440	ITI TÜV ČSN 070622	15,8 MPa	15NiCuMoNb5 (WB36)
2002	KRSKO, Slovenia	1	Ø 1600x55-3680	ITI TUV TRD	53 bar	P295GH
2002	EMMEN, Netherlands	1	Ø 2300x55-3680	Lloyd's Register STOOMWEZEN, EN 97/13/EC Module G	37 bar	P295GH
2002	Moscow City, Russia	2	Ø 1400x16-5500	ITI TUV TRD	10 bar	P295GH
2002	Moscow City, Russia	2	Ø 1600x50-5000	ITI TUV TRD	98 bar	15NiCuMoNb5 (WB36)

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2002	Rafinérie Litvínov, Czech Republic	1	Exchanger	ČSN 690010, LAW No. 22 of CZ = Equivalent PED/23/EC Module G		
2003	Balti Narva, Estonia	2	∅ 1846x85-16100	TKK Estonia, Inspecta, TRD. Estonia Rules	16,3 MPa	15NiCuMoNb5 (WB36)
2003	K3, Vřesová, Czech Republic	1	∅ 1800x80-12000	ITI TÜV ČSN 070622	16,54 MPa	15NiCuMoNb5 (WB36)
2003	Kispest, Hungary	1	∅ 1800x65-6000	ITI TÜV TRD	98 bar	15NiCuMoNb5 (WB36)
2003	Wicker, Germany	1	∅ 2000x85-6000	ITI TÜV TRD, PED/23/EC Module G	82 bar	P295GH
2003	Linz Mitte, Austria	1	∅ 2000x80-6000	ITI TÜV-TÜV Austria TRD, PED/23/EC Module G	119 bar	15NiCuMoNb5 (WB36)
2003	Coolkeeragh, Northern Ireland	1	∅ 1800x75-15500	Loyd's Register-Stoomwezen TRD, PED/23/EC Module G	141 bar	15NiCuMoNb5 (WB36)
2003	Coolkeeragh, Northern Ireland	1	∅ 1300x32-15500	Loyd's Register-Stoomwezen TRD, PED/23/EC Module G	37 bar	P295GH
2003	Coolkeeragh, Northern Ireland	1	∅ 2600x25-18000	Loyd's Register-Stoomwezen TRD, PED/23/EC Module G	7 bar	P265GH
2003	Ružomberok, Slovakia	1	∅ 1676x60-8420	TÜV TRD, PED/23/EC Module G	105 bar	15NiCuMoNb5 (WB36)
2003	Eskhol, Israel	1	HP Steam Drum I.D.1981x124-14630	ONETUVBV ASME I, S Stamp	154 bar	SA 299
2003	Eskhol, Israel	1	IP Steam Drum I.D.1219x25-14900	ONETUVBV ASME I, S Stamp	41 bar	SA 516 Gr. 70
2003	Eskhol, Israel	1	LP Steam Drum I.D.1524x12-12750	ONETUVBV ASME I, S Stamp	11 bar	SA 516 Gr. 70
2003	Pforzheim, Germany	1	∅ 2000x85-6000	ITI TÜV TRD, PED/23/EC Module G	82 bar	P295GH

YEAR	PROJECT, COUNTRY	PCS.	DIMENSIONS (mm)	THIRD PARTY STANDARD	DESIGN PRESSURE	QUALITY OF MATERIAL
2003	Turkey	9	Shell Rings of Boiler Drums I.D.1524x50-1950	ONETUVBV ASME I, S Stamp	---	SA 516 Gr. 70
2003	Turkey	9	Shell Rings of Boiler Drums I.D.1524x50-1950	ONETUVBV ASME I, S Stamp	---	SA 516 Gr. 70
2004	Alon Tabor, Israel	1	HP Steam Drum I.D.1981x124-14630	ONETUVBV ASME I, S Stamp	154 bar	SA 299
2004	Alon Tabor, Israel	1	IP Steam Drum I.D.1219x25-14900	ONETUVBV ASME I, S Stamp	41 bar	SA 516 Gr. 70
2004	Alon Tabor, Israel	1	LP Steam Drum I.D.1524x12-12750	ONETUVBV ASME I, S Stamp	11 bar	SA 516 Gr. 70
2004	China	1	HP Steam Drum I.D.2416x108-9997	ONETUVBV ASME I, Without S	115 bar	SA 302 Gr. B
2004	Turkey	3	Shell Rings of Boiler Drums I.D.1524x50-1950	ONETUVBV ASME I, S Stamp	---	SA 516 Gr. 70
2004	GEELLEN, Netherlands	1	HP Steam Drum O.D.1800x70-8700	Loyd's Register- Stoomwezen TRD, PED/23/EC Module G	146 bar	15NiCuMoNb5 (WB 36)
2004	Kaliningradskaja Power station, Russia	2	HP Steam Drum O.D.1800x70-11000	TRD	85 bar	15NiCuMoNb5 (WB 36)
2004	AVS ZORBAU, Germany	2	HP Steam Drum I.D.1700x52-8700	TUV Nord Poland EN 12952 PED 97/23, Module G	55 bar	P355GH
2004	Skoghall, Sweden	1	HP Steam Drum I.D.1800x77-13200	RW TUV EN 12952 PED 97/23 Module G	137 bar	15NiCuMoNb5 (WB 36)
2004	Anglo Platinum, South Africa	1	Pressure Vessel – Expansion Tank I.D.1300x55-5000	ONETUVBV ASME I, Without S	80 bar	SA 516 Gr. 70
2004	Termoli, Italy	2	HP Steam Drum I.D.2134x78-13107	Loyd's Register- ASME I, PED/23/EC Module G	152 bar	15NiCuMoNb5 (WB 36)
2004	Lavrion, Greece	1	HP Steam Drum I.D.1829x106-12000	Bureau Veritas ASME I, PED/23/EC Module G	152 bar	SA 516 Gr. 70
2004	Lavrion, Greece	1	IP Steam Drum I.D.1524x24-12000	Bureau Veritas ASME I, PED/23/EC Module G	34 bar	SA 516 Gr. 70

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2004	Lavrion, Greece	1	LP Steam Drum I.D.2743x18-12000	Bureau Veritas ASME I, PED/23/EC Module G	10 bar	SA 516 Gr. 70
2004	Wuppertal, Germany	1	HP Steam Drum I.D.2200x50-4300	Fisia Babbcock EN 12952 PED/23/EC Module H1	53 bar	P355GH
2005	Rya Göteborg, Sweden	3	HP Steam Drum O.D.1800x70-5000	SZÚ BRNO, CZ EN 12952 PED/23/EC Module G	112 bar	15NiCuMoNb5 (WB 36)
2005	OS STEEL KOŠICE, Slovakia	1	HP Steam Drum O.D.1800x40-10150	TECHNICKÁ INŠPEKCIA EN 12952 PED/23/EC Module G	45,1 bar	P295GH
2005	Kelenfold, Hungary	1	HP Steam Drum O.D.1200x36-13300	TÜV SUD EN 12952 PED/23/EC Module G	112 bar	P355GH
2005	Östrand, Sweden	1	∅ 1993x82-16800	RW TÜV EN 12952 PED/23/EC Module G	136 bar	15NiCuMoNb5 (WB36)
2006	Bucuresti, Romania	1	∅ 2000x90-10000	TÜV CZ EN 12952 PED/23/EC Module G	126 bar	15NiCuMoNb5 (WB36)
2006	Pitea, Sweden	1	∅ 1764x82-10200	RW TÜV EN 12952 PED/23/EC Module G	145 bar	15NiCuMoNb5 (WB36)
2006	Turbigo, Italy	2	∅ 2184x66-13400	NOBO ASME Code Sect. I PED/23/EC Module G	138 bar	15NiCuMoNb5 (WB36)
2006	Nettingsdorf, Austria	1	∅ 1648x62-6850	TÜV Österreich EN 12952 PED/23/EC Module G	100 bar	15NiCuMoNb5-5-6 (WB36)
2006	Moscow City II, Russia	2	HP Steam Drum O.D.1600x50-5000	TÜV SUD TRD	97 bar	15NiCuMoNb5-5-6 (WB36)
2006	Moscow City II, Russia	2	LP Steam Drum O.D.1400x16-5500	TÜV SUD TRD	10 bar	15NiCuMoNb5-5-6 (WB36)
2006	Priolo, Italy	4	∅ 2068x94-6700	NOBO ASME Code Sect. I,Ed.04, Add.05 PED/23/EC Module G	118 bar	SA 516 Gr.70

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2006	Kinyara Sugar works LTD, South Africa	1	Water Drum O.D. 1380x40-6300	Lloyd's Register Ema EN 12952 BS 1113	39,6 bar	P355GH
2006	Izdemir, Turkey	2	HP Steam Drum I.D.1676x89-11544	SGS Asme Code Sect. I, Ed. 04, Add.05 Without S	117,2 bar	SA 299
2006	LEVICE, Slovakia	2	HP Kotlové těleso I.D.1600x60-5032	ITI Slovakia EN 12952 PED 97/23-EC Module G	69,4 bar	P355GH
2007	Kinyara Sugar works LTD, South Africa	1	Steam Drum O.D.2120x60-7820	Lloyd's Register Ema EN 12952 BS 1113	39 bar	P355GH
2007	Rudersdorf, Germany	1	O.D.2000x68-14310	Customer, TUV SUD 0036 EN 12952 PED 97/23 Module H1	105 bar	15NiCuMoNb5-5-6 (WB36)
2007	Herten, Germany	2	O.D.1900x42-8500	Customer, TUV SUD 0036 EN 12952 PED 97/23 Module H1	47 bar	P355GH
2007	Lakeside, Great Britain	2	I.D.1700x50-13398	Customer, TUV NORD 0045 EN 12952 PED 97/23 Module G	62 bar	P355GH
2007	Třinec, Czech Republic	1	I.D.1600x72-5400	Customer, TUV NORD 0045 EN 12952 PED 97/23 Module G	147 bar	15NiCuMoNb5-5-6 (WB36)
2007	KYMI RB, Finland	1	I.D.2000x90-13500	Customer, TUV NORD 0045 EN 12952 PED 97/23 Module G	130 bar	15NiCuMoNb5-5-6 (WB36)
2007	DEVEN, Bulgaria	1	I.D.1524x86-11582	Customer, Lloyd's Register Ema Asme Code Sect.I, Ed.04, Add05 Without Stamp PED 97/23-G	124,1 bar	SA 299
2007	LINDKÖPING, Sweden	1	O.D.2000x40-8814	Customer, Inspecta Sweden, UDT Polska, EN 12952 PED 97/23-G	67 bar	15NiCuMoNb5-5-6 (WB36)

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2007	Terres de Santa Maria	1	O.D.1400x40-6679	Customer, JEBRU Denmark, UDT Polska, EN 12952 PED 97/23-G	80 bar	15NiCuMoNb5-5-6 (WB36)
2007	Siilinjärvi, Finland	1	O.D.1600x56-4100	Customer, TÜV NORD EN 12952 CE 0045 PED 97/23-G	75 bar	P355GH
2007	ROSTOCK, Germany	1	O.D.1700x50-13400	Customer, TÜV NORD EN 12952 CE 0045 PED 97/23-G	54 bar	P295GH
2007	Kazzinc Cooper, Kazakhstan	1	O.D.1600x35-7000	Customer, TÜV NORD EN 12952 CE 0045 PED 97/23-G	45 bar	P355GH
2007	Kazzinc Lead, Kazakhstan	1	O.D.1900x40-6000	Customer, TÜV NORD EN 12952 CE 0045 PED 97/23-G	45 bar	P355GH
2007	Malsch, Germany	1	O.D.1300x40-4000	Customer, TÜV SÜD EN 12952 CE 0036 PED 97/23-G	73 bar	P355GH
2007	BMHKW Wittenberg- Piesteritz, Germany	1	O.D.1600x70-5400	Customer, TÜV NORD EN 12952 CE 0045 PED 97/23-G	160 bar	15NiCuMoNb5-5-6 (WB36)
2007	262 RAPPBR, Indonesia	1	I.D.2200x108-19300	Customer, ONETUVBV Asme Code Sect. I, Ed.04, Add.05 Without S	115 bar	SA 302 Gr. B
2008	PANNA 4, Chile	1	I.D.2200x38-7200	Customer, ONETUVBV Asme Code Sect. I, Ed.04, Add.05 S Stamp	3,2 MPa	SA 516 Gr. 70
2008	Fos Sur Mer, France	1	I.D.1524x84-7500	Customer,TUV Rheinland Asme Code Sect. I, Ed. 04, Add.05 Without S PED 97/23-EC Module G	3,2 MPa	SA 516 Gr. 70



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2008	1024-FYV8- FYNSVAERKET- ODENSE, Denmark	1	O.D.1600x65-16036	Customer, TÜV NORD EN 12952 CE 0045 PED 97/23-G	134 bar	15NiCuMoNb5-5-6 (WB36)
2008	Mordovcement, Russia	1	Boiler Drum O.D.1800x40-5380	Customer, NoBo-TI Nitra EN 12952 CE 1354 PED 97/23-G	47 bar	P355GH
2008	Zonguldak, Turecko	1	Boiler Drum O.D.1800x100-12700	Customer, NoBo-TI Nitra EN 12952 CE 1354 PED 97/23-G	174 bar	15NiCuMoNb5-5-6 (WB36)
2008	ENCE Navia 1, Spain	1	O.D.1973x72-9812	Customer, TÜV NORD EN 12952 PED/23/EC Module G CE 0045	120 bar	15NiCuMoNb5-5-6 (WB36)
2008	ENCE Navia 2, Spain	1	O.D.1644x72-9400	Customer, TÜV NORD EN 12952 PED/23/EC Module G CE 0045	150 bar	15NiCuMoNb5-5-6 (WB36)
2008	UMEA DAVA II, Sweden	1	O.D.1700x95-10900	Customer, TÜV NORD EN 12952 CE 0045 PED 97/23-G	169 bar	15NiCuMoNb5-5-6 (WB36)
2008	METOR II, Venezuela	1	O.D.2400x66-11252	Customer, TÜV NORD AD:2000 Merkblätter	112 bar	15NiCuMoNb5-5-6 (WB36)
2008	Otrokovice, Czech Republic	1	O.D.1800x90-8000	Customer, TÜV NORD EN 12952 CE 1221 PED 97/23-G	112,8 bar	P355GH
2008	BRUNEI, Borneo	1	O.D.2400x66-11252	Customer, TÜV NORD AD:2000 Merkblätter	112 bar	15NiCuMoNb5-5-6 (WB36)
2008	LINDKÖPING, Sweden	1	O.D.2000x40-8814	Customer, Inspecta Sweden, UDT Polska, EN 12952 PED 97/23-G	67 bar	15NiCuMoNb5-5-6 (WB36)

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2008	Rizhao, China	1	I.D.2200x108-19300	Customer, ONETUVBV Asme Code Sect. I, Ed.04, Add.05 Without S	115 bar	SA 302 Gr. B
2008	Doe Run, Peru	1	I.D.1800x44-6000	Customer, TRD TÜV NORD	5 MPa	P355GH
2008	Colbun, Chile	1	O.D.2000x150-20000	Customer, ONETUVBV Asme Code Sect. I, Ed.04, Add.06 S Stamp	19,8 MPa	SA 302 Gr. B
2008	Bocamina, Chile	1	O.D.2000x150-20000	Customer, ONETUVBV Asme Code Sect. I, Ed.04, Add.06 S Stamp	19,8 MPa	SA 302 Gr. B
2008	Ivanovo, Russia	2	I.D.1600x36-9400	Customer, EN 12952	76 bar	15NiCuMoNb5-5-6 (WB36)
2008	Ivanovo, Russia	2	I.D.2000x20-11000	Customer, EN 12952	10 bar	P265GH
2008	Mondi Syktyvkar, Russia	1	O.D.1979x75-14000	Customer, TÜV NORD EN 12952 PED/23/EC Module G CE 0045	121 bar	15NiCuMoNb5-5-6 (WB36)
2009	Lenzing, Austria	1	O.D.1600x50-6000	Customer, TUV Österreich EN 12952 PED/23/EC CE 0408	99 bar	15NiCuMoNb5-5-6 (WB36)
2009	PERM, Russia	2	O.D.1600x50-5000	Customer, TÜV SÜD Czech EN 12952 CE 1017 PED 97/23-G	97 bar	15NiCuMoNb5-5-6 (WB36)
2009	Uzhnaya, Russia	2	I.D.2420x50-9150	Customer, EN 12952	92 bar	15NiCuMoNb5-5-6 (WB36)
2009	Teplárna Plzeň, Czech Republic	1	I.D.1400x65-7500	Customer, TUV SÜD CZ EN 12952 PED/23/EC Module G CE 1017	80 bar	P295GH
2009	Turkey	3	Shell Rings of Boiler Drums I.D.1524x50-1950	ONETUVBV ASME I, S Stamp	---	SA 516 Gr. 70

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2009	FACTURE, France	1	I.D.1600x82-9000	Customer, TÜV NORD EN 12952 PED/23/EC Module G CE 0045	152 bar	15NiCuMoNb5-5-6 (WB36)
2009	DOW in Stade, Germany	2	O.D.2800x68-11000	Customer, TÜV NORD EN 12952 PED/23/EC Module G CE 0045	56 bar	P355GH
2009	BONTANG, Indonesia	1	O.D.1800x52-5000	ONETU BV ASME Code Sect.VIII, Div. 1 U Stamp	7200 kPa	SA 516 Gr. 70
2010	VENEZUELA	4	I.D.1500x45-11480	ONETU BV ASME Sect. I Without S	31,391 bar	SA 515 Gr. 70
2010	VENEZUELA	4	I.D.1219x40-9565	ONETU BV ASME Sect. I Without S	32,373 bar	SA 515 Gr. 70
2010	Otrokovice, Czech Republic	1	O.D.1800x90-8000	Customer, TÜV NORD EN 12952 CE 1221 PED 97/23-G	112,8 bar	P355GH
2010	GOK7, DEZA Valašské Meziříčí, Czech Republic	1	Upper Drum O.D.1900x65-6000	Customer, TÜV SUD CZ EN 12952 CE 1221 PED 97/23-G	46,1 bar	P355GH
2010	GOK7, DEZA Valašské Meziříčí, Czech Republic	1	Lower Drum O.D.1500x45-6000	Customer, TÜV SUD CZ EN 12952 CE 1221 PED 97/23-G	46,1 bar	P355GH
2010	K Cymic, Finland	1	I.D.1600x85-1050	Customer, TÜV NORD EN 12952 PED/23/EC Module G CE 0045	165 bar	15NiCuMoNb5-5-6 (WB36)
2010	Ca Mau, Vietnam	1	Steam Drum O.D.2750x78-11900	Customer, TÜV NORD AD:2000 Merkblätter PED 97/23-EC	13 MPa	15NiCuMoNb5-5-6 (WB36)
2010	Žarnovica, Slovakia	1	O.D.1400x70-4000	Customer, SZÚ NoBo 1015 EN 12952 PED 97/23-EC	88 bar	P355GH

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2010	EOG Narva, Estonia	1	O.D.2400x68-10000	Customer, TÜV NORD EN 12952 PED 97/23-EC	6 MPa	P355GH
2011	OMNIA, South Africa	1	O.D.2000x48-5000	ONETUVBV ASME Code Sect.VIII, Div. 1, U Stamp	5900 kPa	SA 516 Gr. 70
2011	Shanhua, China	2	O.D.1750x37-4560	Customer, TÜV NORD ASME Code Sect.VIII, Div. 1	4,84 MPa	SA 516 Gr. 70
2011	SIAULIAI THERMAL POWER STATION, Lithuania	1	O.D.1600x35-6800	Customer, TÜV NORD EN 12952, CE 0045 PED 97/23-G	64 bar	15NiCuMoNb5-5-6 (WB36)
2011	BIELSKO-BIALA, Poland	1	O.D.1828x76-9500	Customer, TÜV NORD EN 12952, CE 0045 PED 97/23-G	145 bar	15NiCuMoNb5-5-6 (WB36)
2011	KLAIPEDA, Lithuania	1	O.D.2000x40-13550	Customer, TÜV SÜD EN 12952, CE 0036 PED 97/23-H1	64 bar	15NiCuMoNb5-5-6 (WB36)
2011	PANNON, Hungary	1	O.D.1720x60-14800	Customer, TÜV NORD EN 12952, CE 0045 PED 97/23-G	124 bar	15NiCuMoNb5-5-6 (WB36)
2011	HKW IGNIS, Germany	1	O.D.2000x36/30- 15100	Customer, TÜV NORD EN 12952, CE 0045 PED 97/23-G	55 bar	15NiCuMoNb5-5-6 (WB36)
2011	Teplárna Košice, Slovakia	1	O.D.1800x85-6800	Customer, TI Slovenské republiky EN 12952, CE 1354 PED 97/23-G	160 bar	15NiCuMoNb5-5-6 (WB36)
2011	MONTES DEL PLATA, Uruguay	1	O.D.1680x85-8650	ONETUVBV ASME Code Sect.I Without S	12 MPa	SA 302 Gr. B
2011	ERDEMIR, Turkey	1	O.D.1800x18-6000	Customer, TÜV NORD AD 2000 CE 0045 PED 97/23-G	212 bar	P355GH
2011	Domoradice, Czech Republic	1	O.D.1400x70-4000	Customer, SZÚ NoBo 1015 EN 12952 PED 97/23-EC	88 bar	P355GH

YEAR	PROJECT, COUNTRY	PCS.	DIMENSIONS (mm)	THIRD PARTY STANDARD	DESIGN PRESSURE	QUALITY OF MATERIAL
2012	Chemtex, Italy	1	O.D.2100x60-7000	Customer, TÜV NORD CE 0045, EN 12952 PED 97/23-EC	80 bar	15NiCuMoNb5-5-6 (WB36)
2012	IGGESUND PAPER-BOARD WORKIN-GTON, Great Britain	1	O.D.1979x75-10600	Customer, TÜV NORD CE 0045, EN 12952 PED 97/23-EC	124 bar	15NiCuMoNb5-5-6 (WB36)
2012	HARALDRUD, Norway	1	O.D.1600x25-5620	Customer, TÜV NORD EN 12952, CE 0045 PED 97/23-G	25 bar	16Mo3
2012	Delfzijl, Netherlands	1	O.D.1600x75-9500	Customer, TÜV NORD EN 12952 CE 0045 PED 97/23-G	112 bar	P460NH
2012	Yugozapadnayja CPP, Russia	3	O.D.2110x55-5000	Customer, EN 12952	105 bar	15NiCuMoNb5-5-6 (WB36)
2012	TEC 12CPP, Mosenergo, Russia	1	O.D.2518x54-9150	Customer, EN 12952	96 bar	15NiCuMoNb5-5-6 (WB36)
2012	Djagilevskaya TEC, Russia	2	O.D.2100x50-5000	Customer, EN 12952	88 bar	15NiCuMoNb5-5-6 (WB36)
2012	Aleksinskaya TEC, Russia	2	O.D.2100x50-5000	Customer, EN 12952	88 bar	15NiCuMoNb5-5-6 (WB36)
2012	Novogorkovskaya TEC, Russia	2	O.D.1948x74-13600	Customer, EN 12952	166 bar	15NiCuMoNb5-5-6 (WB36)
2012	Yunus Emre, Turkey	1	O.D.2000x107-15208	TÜV Rheinland CE 0035 ASME Code Sect. I Ed. 2007 Add 2009b Without S PED 97/23-EC Module G	168 bar	SA-302 Gr. B
2013	Yunus Emre, Turkey	1	O.D.2000x107-15208	TÜV Rheinland CE 0035 ASME Code Sect. I Ed. 2007 Add 2009b Without S PED 97/23-EC Module G	168 bar	SA-302 Gr. B
2013	Kurskaya TEC, Russia	2	O.D.2100x50-5000	Customer, EN 12952	88 bar	15NiCuMoNb5-5-6 (WB36)
2013	SADARA Chemical CoMPany, Kingdom od Saudi Arabia	1	O.D.2200x58-10000	ONETUVBV ASME Code Sect.VIII, Div. 1 U Stamp	55 bar	SA 516 Gr. 70

YEAR	PROJECT, COUNTRY	PCS.	DIMENSIONS (mm)	THIRD PARTY STANDARD	DESIGN PRESSURE	QUALITY OF MATERIAL
2013	IDEVietnam, Vietnam	1	Intermediate Shaft- Center Stay	ONETUVBV ASME Code Sect.VIII, Div. 1 U Stamp		SA 516 Gr. 70
2013	VINACOMIN, Vietnam	1	O.D.1800x42-4000	ONETUVBV ASME Code Sect.VIII, Div. 1 U Stamp	5000 kPa	SA 516 Gr. 70
2013	Nicico, Iran	1	O.D.2200x65-10000	Customer, TÜV NORD CE 0045 EN 12952 PED 97/23-EC Module G	67 bar	15NiCuMoNb5-5-6 (WB36)
2013	Mostek, Czech Republic	1	O.D.1400x50-4900	Customer, TÜV NORD Czech CE 1221 EN 12952 PED 97/23-EC Module G	52,5 bar	P355GH
2013	Korangi 2, Pakistan	1	HP Steam Drum O.D.1800x55-7000	Customer, TÜV NORD Czech CE 0045 EN 12952 PED 97/23-EC Module G	65 bar	P355GH
2013	Korangi 2, Pakistan	1	LP Steam Drum O.D.1600x20-7000	Customer, TÜV NORD CE 0045 EN 12952 PED 97/23-EC Module G	11 bar	P265GH
2013	RB3 Mondi SCP, Ružomberok, Slovakia	1	O.D.1979x75-9200	Customer,TÜV NORD,CE 0045 EN 12952 PED 97/23-EC	126 bar	15NiCuMoNb5-5-6 (WB36)
2013	ALLIAGA 802 MW Combined Cycle Power Plant, Turkey	1	HP Steam Drum O.D.2671x124-8900	TÜV NORD, Customer, ASME Code Sect.I Ed.2004, Add. 2006 Without Stamp Item, PED 97/23-EC Module G	146 bar	SA 302 Gr. B
2013	ALLIAGA 802 MW Combined Cycle Power Plant, Turkey	1	IP Steam Drum O.D.2900x40-2800	TÜV NORD, Customer, ASME Code Sect.I Ed.2004, Add. 2006, Without Stamp, Item, PED 97/23-EC Module G	34 bar	SA 516 Gr. 70

YEAR	PROJECT, COUNTRY	PCS.	DIMENSIONS (mm)	THIRD PARTY STANDARD	DESIGN PRESSURE	QUALITY OF MATERIAL
2014	ALLIAGA 802 MW Combined Cycle Power Plant, Turkey	1	HP Steam Drum O.D.2671x124-8900	TÜV NORD, Customer, ASME Code Sect.I Ed.2004, Add. 2006, Without Stamp, Item, PED 97/23-EC Module G	146 bar	SA 302 Gr. B
2014	ALLIAGA 802 MW Combined Cycle Power Plant, Turkey	1	IP Steam Drum O.D.2900x40-2800	TÜV NORD, Customer, ASME Code Sect.I Ed.2004, Add. 2006, Without Stamp, Item, PED 97/23-EC Module G	34 bar	SA 516 Gr. 70
2014	110157PT Cikarang, Indonesia	2	O.D.2040x120-15000	Customer, Asme Code Sect. I, Ed.10, Add.11a Without S	155 bar	SA 302 Gr. B
2014	Kotel K5, Planá nad Lužnicí, Czech Republic	1	O.D.1400x45-6500	TÜV SÜD Czech CE 1017 EN 12952 PED 97/23-EC Module G	60 bar	P295GH
2014	KVV8 Värtaverket, Sweden	1	O.D.1790x95-21200	Customer, DEKRA Industrial AB CE 0640 EN 12952 PED 97/23-EC Module G	185 bar	15NiCuMoNb5-5-6 (WB36)
2014	120119 Sevelie, Finland	1	I.D.1600x65-14396	Customer, TÜV NORD Czech CE 1221 EN 12952 PED 97/23-EC Module G	103 bar	15NiCuMoNb5-5-6 (WB36)
2014	TYCHY, Poland	1	O.D.1828x76-9500	Customer, TÜV NORD EN 12952 CE 0045 PED 97/23-G	145 bar	15NiCuMoNb5-5-6 (WB36)
2014	Teplárna Žilina, Slovakia	1	O.D.1600x58-6500	Customer, TÜV NORD EN 12952 CE 0045 PED 97/23-G	115 bar	15NiCuMoNb5-5-6 (WB36)
2014	Brigg, Great Britain	1	O.D.1800x70-12620	Customer, TÜV NORD SWEDEN(CZECH) EN 12952 CE 2529 PED 97/23-G	144 bar	15NiCuMoNb5-5-6 (WB36)

YEAR	PROJECT, COUNTRY	PCS.	DIMENSIONS (mm)	THIRD PARTY STANDARD	DESIGN PRESSURE	QUALITY OF MATERIAL
2014	110161 Dunauham, Hungary	1	O.D.1746x73-9700	Customer, TÜV NORD CE 0045 EN 12952 PED 97/23-EC Module G	144 bar	15NiCuMoNb5-5-6 (WB36)
2014	Synthesia Pardubice, Czech Republic	1	O.D.1600x95-6000	TÜV SÜD Czech CE 1017 EN 12952 PED 97/23-EC Module G	110 bar	P355GH
2014	KVV Sörby, Sweden	1	O.D. 1600x48-7400	Customer, DEKRA Industrial AB, CE 0640 EN 12952 PED 97/23-EC Module G	98 bar	15NiCuMoNb5-5-6 (WB36)
2014	TPP Thermogas Machala, Ecuador	3	HP Steam Drum O.D.1940x70-9750	Customer, AI-TÜV NORD Asme Code Sect. I, Ed.2013 S Stamp	111 bar	SA 302 Gr. B
2014	TPP Thermogas Machala, Ecuador	3	LP Steam Drum O.D.1940x70-9750	Customer, AI-TÜV NORD Asme Code Sect. I, Ed.2013 S Stamp	10 bar	SA 516 Gr. 70
2014	Kotel K3, Teplárna Chomutov, Czech Republic	1	O.D.1400x34-6900	TÜV SÜD Czech CE 1017 EN 12952 PED 97/23-EC Module G	42,3 bar	P295GH
2014	Kotel K6, Planá nad Lužnicí, Czech Republic	1	O.D.1400x45-6500	TÜV SÜD Czech CE 1017 EN 12952 PED 97/23-EC Module G	60 bar	P295GH
2015	IZUMI, Japan	1	Intermediate Shaft- Center Stay	TÜV NORD ASME Code Sect.VIII, Div. 1 U Stamp		SA 516 Gr. 70
2015	Kotel K7, USS Košice, Slovakia	1	O.D.1600x60-8300	TÜV NORD CE 1221 EN 12952 PED 97/23-EC Module G	121 bar	15NiCuMoNb5-5-6 (WB36)
2015	ArcelorMittal Ostrava, Czech Republic	1	O.D.1728x64-10500	Customer, TÜV NORD Czech CE 1221 EN 12952 PED 97/23-EC Module G	132 bar	15NiCuMoNb5-5-6 (WB36)



YEAR	PROJECT, COUNTRY	PCS.	DIMENSIONS (mm)	THIRD PARTY STANDARD	DESIGN PRESSURE	QUALITY OF MATERIAL
2015	Lisbjerg, Denmark	1	O.D.1800x70-12620	Customer, TÜV NORD SWEDEN(CZECH) EN 12952, CE 2529 PED 97/23-G	144 bar	15NiCuMoNb5-5-6 (WB36)
2015	RB Oululi, Finland	1	O.D.1730x65-11560	Customer, TÜV NORD Czech CE 1221 EN 12952 PED 97/23-EC Module G	110 bar	15NiCuMoNb5-5-6 (WB36)
2015	Kaunas, Lithuania	1	O.D.1200x35-4570	Customer, TÜV SÜD Czech CE 1017 EN 12952 PED 97/23-EC Module G	79 bar	15NiCuMoNb5-5-6 (WB36)
2015	Snetterton, Great Britain	1	O.D.1800x70-14900	Customer, TÜV NORD SWEDEN(CZECH) EN 12952 CE 2529 PED 97/23-G	144 bar	15NiCuMoNb5-5-6 (WB36)
2015	Deven, Bulgaria	1	O.D.1640x58-9500	Customer, TÜV NORD Czech CE 1221 EN 12952 PED 97/23-EC Module G	118 bar	15NiCuMoNb5-5-6 (WB36)
2016	Faisalabad, Pakistan	1	O.D.1710x50-5500	Customer, EN 12952 PED 97/23-EC Module G	113 bar	15NiCuMoNb5-6-4 (WB36)
2016	SYRA 4, Köping, Sweden	1	O.D.1800x52-8000	Customer, EN 12952 PED 97/23-EC Module G		P355GH
2016	Äänekoski, Finland	1	O.D.2420x110-22500	Customer, TÜV NORD Czech CE 1221 EN 12952 PED 97/23-EC Module G	140 bar	15NiCuMoNb5-6-4 (WB36)
2016	Zanam Glogow, Poland	1	O.D.1600x45-6500	Customer, TÜV NORD Czech CE 1221 EN 12952 PED 97/23-EC Module G	56 bar	P355GH

YEAR	PROJECT, COUNTRY	PCS.	DIMENSIONS (mm)	THIRD PARTY STANDARD	DESIGN PRESSURE	QUALITY OF MATERIAL
2016	Cramlington, Great Britain	1	O.D.1800x75-11600	Customer, TÜV NORD SWEDEN(CZECH) EN 12952 CE 2529 PED 97/23-G	144 bar	15NiCuMoNb5-5-6 (WB36)
2016	Biomass fired boiler project No. 14_0090LN, Turkey	1	O.D.1064x32-7700	Customer, TÜV NORD Czech EN 12952 PED 97/23-EC Module G	75 bar	P355GH
2017	Primorska TES, Russia	3	O.D.1734x67-11300	Customer, TÜV NORD Czech EN 12952 PED 97/23-EC Module G		15NiCuMoNb5-6-4
2017	Södra Cell Värö, Sweden	1	O.D.2000x70-9420	Customer, TÜV NORD Czech EN 12952 PED 97/23-EC Module G	67 bar	P355GH
2017	US Steel K6, Slovakia	1	O.D. 1800x60-8300	Customer, TÜV NORD Czech EN 12952 PED 2014/68/EU Module G	121 bar	15NiCuMoNb5-6-4
2019	110361 Oulu CFB, Finland	1	O.D. 1784x92-10500	Customer, TÜV NORD Czech EN 12952 PED 2014/68/EU Module G	185 bar	15NiCuMoNb5-6-4
2019	Teplárna Otrokovice K8, Czech Republic	1	O.D. 1400x55-8727	Customer, TÜV SUD EN 12952 PED 2014/68/EU Module G	110 bar	15NiCuMoNb5-6-4
2019	Czestochowa Nowa 10130, Poland	1	O.D. 1400x75-5400	Customer, TÜV Státní zkušební ústav Brno EN 12952 PED 2014/68/EU Module B+F	78 bar	P355GH
2019	Czestochowa Nowa 10131, Poland	1	O.D. 1400x75-5400	Customer, TÜV Státní zkušební ústav Brno EN 12952 PED 2014/68/EU Module B+F	78 bar	P355GH
2019	DUIVEN, Poland	1	O.D. 1500x40-3800	Customer, TÜV NORD Czech EN 12952 PED 2014/68/EU Module G	64 bar	P355GH

YEAR	PROJECT, COUNTRY	PCS.	DIMENSIONS (mm)	THIRD PARTY STANDARD	DESIGN PRESSURE	QUALITY OF MATERIAL
2019	ANDIJK, Poland	1	O.D. 1500x40-3800mm	Customer, TÜV NORD Czech EN 12952 PED 2014/68/EU Module G	64 bar	P355GH
2020	ZAGREB Croatia	2	O.D. 1349x65-7200mm	Customer, TÜV NORD Czech EN 12952 PED 2014/68/EU Module G	102,89 bar	P355GH
2020	ZAGREB Croatia	2	O.D. 1212x22-7200mm	Customer, TÜV NORD Czech EN 12952 PED 2014/68/EU Module G	25 bar	P355GH
2020	BEMMEL Poland	1	O.D. 1500x40-3800mm	Customer, TÜV Austria EN 12952 PED 2014/68/EU Module G	64 bar	P355GH
2020	NIFA C / D Germany	2	O.D. 1300x20-4000mm	Customer, TÜV NORD Czech EN 13445 PED 2014/68/EU Module G	32 bar	P355GH
2020	NA/AN ANWIL Poland	1	O.D. 1900x48-7500mm	Customer, TÜV NORD Czech EN 12952 PED 2014/68/EU Module G	60 bar	P355GH
2020	Scholven Phase III: CHP Plant Germany	1	O.D. 1800x60-6000mm	Customer, TÜV NORD Czech EN 12952, VGB-013 PED 2014/68/EU Module G	60 bar	P355GH
2021	NSL3-CFB Finland	1	I.D.1600x72-11000mm	Customer, TÜV NORD Czech EN 12952, PED 2014/68/EU Module G	138 bar	15NiCuMoNb5-6-4 (WB36)
2021	DENIZLI Poland	1	O.D.1350x34- 5500 mm	Customer, TÜV NORD Czech EN 12952, PED 2014/68/EU Module G	118 bar	15NiCuMoNb5-6-4
2021	Dillinger Hüttenwerke AG – GWW2 / BRO3 Germany	1	Ø1800 x 22 - 8016 mm	Customer, TÜV NORD Czech EN 12952, PED 2014/68/EU Module G	31 bar	16Mo3

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2022	H1004AEA1 PREROVBFB, Czech	1	I.D.1600 x 39-8300 mm	Customer, TÜV NORD Czech EN 12952, PED 2014/68/EU Module G	123 bar	P460NH
2022	H0010ARA1 KEMI BTT Recovery Boiler Finland	1	I.D. 2200x104x25 300 mm	Customer, TÜV NORD Czech EN 12952, PED 2014/68/EU Module G	135 bar	15NiCuMoNb5-6-4
2022	ERDEMIR Modernization of PTF No.1 Turkey	1	O.D.1600 x18-6110 mm	Customer, TÜV NORD Czech AD 2000 PED 2014/68/EU Module G	31 bar	P355GH
2022	Kluczewo Poland	1	Ø 1500 x 60 x 5900 mm	Customer, UDT EN 12952 PED 2014/68/EU Module G	70 bar	P355GH
2022	Synthos Poland	1	Ø 1800 x 65 x 6600 mm	Customer, UDT EN 12952 PED 2014/68/EU Module G	93,5 bar	15NiCuMoNb5-6-4
2022	Synthos Poland	1	Ø 1200 x 20 x 4400 mm	Customer, UDT EN 12952 PED 2014/68/EU Module G	18,5 bar	P355GH
2022	K2673, BSN Le Havre France	1	O.D.2200x90x6 800 mm	Customer, TÜV NORD Czech EN 12952, PED 2014/68/EU Module G	137 bar	15NiCuMoNb5-6-4
2022	Dillinger Hüttenwerke AG – GWW2 / BRO1 Germany	1	Ø 1800 x 22 - 6420 mm	Customer, TÜV NORD Czech EN 12952, PED 2014/68/EU Module G	20,5 bar	16Mo3
2022	H1015AES1 SALZBURG AG BP5 Austria	1	O.D.1470x38x4800 mm	Customer, TÜV NORD Czech EN 12952, PED 2014/68/EU Module G	76 bar	15NiCuMoNb5-6-4
2022	DIN FORSYNING Denmark	1	O.D.1500x25x8 400 mm	Customer, TÜV NORD Czech EN 12952, PED 2014/68/EU Module G	24 bar	P355GH

The full-scale reference list is at disposal at the above mentioned address.