

**LISTA DE REFERÊNCIA WIGGINS | NOVOS GASÔMETROS OU CONVERTIDOS**

PROJETO	TIPO	CAPACIDADE (M³)	TIPO DE GÁS	PRESSÃO (MM W.G.)	ANO
Usiminas, Brazil	Wiggins	158,000	GAF	370	2020
Baoshan Iron and Steel Co. Ltd., China	Wiggins	150,000	GAF	800	2020
Jindal Power & Steel Ltd, India	Wiggins	80,000	Gás Misto	200	2019
TATA Steel Ltd, India	Wiggins	60,000	LDG	255	2019
China Steel, Taiwan	Wiggins	60,000	LDG	350	2019
ArcelorMittal, Poland	Wiggins	15,000	GCO	510	2017
British Steel Ltd, UK	Wiggins	112,500	GCO	350	2017
Baoshan Iron and Steel Co. Ltd., China	Wiggins	150,000	GAF	800	2016
Bhushan Power & Steel Ltd, India	Wiggins	35,000	GCO	950	2017
Dragon Steel Corporation, Taiwan	Wiggins	30,000	GCO	1050	2014
TATA Steel Ltd, India	Wiggins	150,000	GAF	850	2016
TATA Steel Ltd, India	Wiggins	80,000	LDG	255	2016
TATA Steel Ltd, UK	Wiggins	112,500	GCO	350	2014
SVAI, NMDC, India	Wiggins	60,000	LDG	200	2019
Bhushan Steel Ltd	Wiggins	100,000	LDG	200	2019
TATA Steel Ltd, India	Wiggins	150,000	GAF	575	2015
TATA Steel Ltd, India	Wiggins	100,000	LDG	265	2014
SAIL, Bhilai, India	Wiggins	80,000	LDG	200	2014
SAIL, Bokaro, India	Wiggins	80,000	LDG	200	2014
Alchevsk Iron & Steel Works, Ukraine	Wiggins	80,000	LDG	250	2013
Alchevsk Iron & Steel Works, Ukraine	Wiggins	100,000	GAF	1300	2012
Alchevsk Iron & Steel Works, Ukraine	Wiggins	50,000	GCO	300	2013
Bhushan Steel & Strips Ltd, India	Wiggins	100,000	GAF	1200	2012
Bhushan Steel & Strips Ltd, India	Wiggins	50,000	GCO	700	2013
SAIL, Visag, India	Wiggins	80,000	LDG	170	2011
SAIL, Bokaro, India	Wiggins	80,000	LDG		2010
Jindal South West Ltd, India	Wiggins	50,000	GAF		2009
Dragon Steel, Taiwan	Wiggins	30,000	GCO	1100	2009
Bhushan Steel & Strip Ltd, India	Wiggins	50,000	GCO	700	2009
Bhushan Steel & Strip Ltd, India	Wiggins	100,000	GAF		2009
Alchevsk Iron & Steel Works, Ukraine	Wiggins	50,000	GCO		2009
Alchevsk Iron & Steel Works, Ukraine	Wiggins	80,000	LDG		2009

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Alchevsk Iron & Steel Works, Ukraine	Wiggins	100,000	GAF	1300	2009
Bhushan Ltd, India	Wiggins	50,000	GAF	700	2008
Jindal South West Ltd, India	Wiggins	50,000	GAF		2008
Isdemir, Iskenderun, Turkey	Wiggins	60,000	LDG	160	2008
SAIL, Rourkela, India	Wiggins	37,000	GCO	300	2008
TATA Iron & Steel Co. Ltd. India	Wiggins	80,000	LDG		2005
Isdemir, Iskenderun, Turkey	Wiggins	50,000	GAF	800	2005
CST Brazil	Wiggins	80,000	LDG	170	2003
Piombino Italy	Wiggins	43,275	GAF	500	2002
CSN Brazil	Wiggins	90,000	GAF	350	2000
CSN Brazil	Wiggins	55,000	LDG	440	2000
OSC for British Steel Llanwern, UK	Wiggins	30,000	GCO		2000
Jindal, India	Wiggins	100,000	Corex	1000	1999
ITEQ for Bethlehem Steel Corp. USA	Wiggins	2,832	GCO		1999
F.A. Neuman for Hoesch AG, Germany	Wiggins	10,000	Hidrogênio		1998
Ilva, Taranto, Italy	Wiggins	66,000	GAF & GCO		1998
Anglian Water, Whitlingham, UK	Wiggins	1,500	Gás de Esgoto		1998
SEC for Gunawan Iron & Steel, Malaysia	Wiggins	28,500	GAF		1998
Norsk Hydro Norway for India	Wiggins	1,000	Hidrogênio		1996
Biwater for Yorkshire Water Doncaster, UK	Wiggins	285	Gás de Esgoto		1996
Eregli Iron & Steel, Turkey	Wiggins	40,000	LDG		1995
Eregli Iron & Steel, Turkey	Wiggins	40,000	GAF		1995
Davy McKee for Rourkela, India	Wiggins	50,000	LDG		1995
Duro Felguera for Wahan, China	Wiggins	80,000	LDG		1995
Davy, South Africa	Wiggins	3,200	GCO		1995
S.S.A.B. Sweden	Wiggins	80,000	GAF & GCO		1995
North West Water, Southport, UK	Wiggins	1,500	Gás de Esgoto		1994
F.A. Neuman for Hoesch, Germany	Wiggins	50,000	LDG		1991
British Steel, Scunthorpe, UK	Wiggins	90,000	GAF		1989
MECON for Visag, India	Wiggins	83,400	LDG		1988
British Steel, Llanwern, UK	Wiggins	45,000	LDG		1988
British Coal, UK	Wiggins	285	Metano		1987

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Taqsa, Spain	Wiggins	1,135	Propileno		1987
British Steel, Ravenscraig, UK	Wiggins	92,100	GAF		1986
Hoogovens, Holland	Wiggins	83,400	LDG		1985
Italiapianti, Italy	Wiggins	70,000	LDG		1985
Oviedo, Spain	Wiggins	70,000	LDG		1985
Anglian Water, Letchworth, UK	Wiggins	285	Gás de Esgoto		1985
H.U.D. Hong Kong	Wiggins	900	Gás de Esgoto		1985
H.U.D. Hong Kong	Wiggins	900	Gás de Esgoto		1985
British Steel, Llanwern., UK	Wiggins	42,500	GCO		1985
Farrer, Hong Kong	Wiggins	850	Gás de Esgoto		1985
British Steel plc, Scunthorpe, UK	Wiggins	80,000	LDG		1984
Farrer Sewage, Hong Kong	Wiggins	850	Gás de Esgoto		1984
S.C.I.L. Tisco Jamshedpur, India	Wiggins	50,000	LDG		1984
British Steel, Ravenscraig, UK	Wiggins	21,250	GCO		1984
Sembawang Eng, Singapore	Wiggins	3,395	Gás de Esgoto		1983
H.U.D. Hong Kong	Wiggins	1,000	Gás de Esgoto		1983
H.U.D. Hong Kong	Wiggins	1,000	Gás de Esgoto		1983
H.U.D. Hong Kong	Wiggins	705	Gás de Esgoto		1981
National Smokeless Fuels, UK	Wiggins	7.080	Metano		1980
Simon Hartley, S.W.W. Totnes, UK	Wiggins	750	Gás de Esgoto		1980
Hydromede, Singapore	Wiggins	3	Gás de Esgoto		1975
JD & DM Watson Bovis-Farr, Milton Keynes, UK	Wiggins	1,415	Gás de Esgoto		1974
Simon Hartley, Hong Kong	Wiggins	225	Gás de Esgoto		1972
Courtaulds for International Nickel, Clydach, UK	Wiggins	566	Nitrogênio		1970
Courtaulds for International Nickel, Clydach, UK	Wiggins	2,830	Hidrogênio		1970
British Oxygen Cryo-products, UK	Wiggins	15	Nitrogênio		1969
Metal Formation, UK	Wiggins	1.7	Butano - Ar		1969
Power Gas for I.C.I. Mond division, UK	Wiggins	500	CO <sub>2</sub>		1968
JD & DM Watson United Eng. Toa Payoh, Singapore	Wiggins	3,395	Gás de Esgoto		1968
P.G.C. Bombay, UK	Wiggins	5,660	Nitrogênio		1967

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PROJETO	TIPO	CAPACIDADE (M³)	TIPO DE GÁS	PRESSÃO (MM W.G.)	ANO
S.E.G.B. Oxted, UK	Wiggins	28,315	Gás Manufat		1967
S.E.G.B. Littlehampton, UK	Wiggins	28,315	Gás Manufat		1967
S.E.G.B. Burgess Hill, UK	Wiggins	19,820	Gás Manufat		1967
British Oxygen Chemical Ltd, N. Ireland,	Wiggins	1,415	Acetileno		1966
Unilever London for Ceylon	Wiggins	55	Hidrogênio		1966
S.E.G. Board for Ashford, UK	Wiggins	28,315	Gás Manufat		1966
Humphreys & Glasgow Bromborough, UK	Wiggins	42	SO <sub>2</sub>		1966
Davy Ashmore, South Africa, Highveld, South Africa	Wiggins	35,395	Forno Redução Direta		1966
Nitrogen Fertilizer Ltd, Flixbrough, UK	Wiggins	1,130	Gás Misto		1966
Power Gas for Nitrogen Fertilizer, Flixborough, UK	Wiggins	1,130	Varios		1966
Fairey, UK	Wiggins	1.5	Oxigênio		1966
U.K.A.E.A. Rutherford Laboratory, UK	Wiggins	42	Varios		1966
Singapore Oxygen, Singapore	Wiggins	6	Oxigênio		1966
Davy Ashmore, South Africa SASOL, South Africa	Wiggins	4,980	Oxigênio		1965
Lumms Co. Ltd, Coventry, UK	Wiggins	210	Nitrogênio		1965
Humphreys & Glasgow, Clydach, UK	Wiggins	566	CO <sub>2</sub> – N <sub>2</sub>		1965
B.O.C. London (PGC Bombay supplied) India	Wiggins	15	Argonio		1965
S.E. Gas Board for Isle of Grain, UK	Wiggins	283	Nitrogênio		1964
East Midland Gas Board, Wellington, UK	Wiggins	28,315	Gás Manufat		1964
Eastern Gas Board Norwich for Mundesley, UK	Wiggins	1,415	Gás Manufat		1964
B.E.G.B. Canterbury, UK	Wiggins	28,315	Gás Manufat		1964
Gas Council, Soihull, UK	Wiggins	85	Varios		1964
Gas Council, Solihull, UK	Wiggins	15	Varios		1964
Wales Gas Board for Aberman, UK	Wiggins	14,160	GCO		1963
Southern Gas Board Southampton for Bognor Regis, UK	Wiggins	25,485	Gás Manufat		1963
Hong Kong & China Gas Co. Hong Kong	Wiggins	28,315	Gás Manufat		1963
Centrozap Rapowice Plebjscyto 36, Poland	Wiggins	5,000	Etileno		1963
North Thames G.B. Canvey Island, UK	Wiggins	14,160	Metano		1963
P.G.C. India, Rourkela, India	Wiggins	300	Nitrogênio		1963
N.W.G.B. Bradford Road, Manchester, UK	Wiggins	7.080	Gás Reforma Óleo		1963

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White & Riches, London UK	Wiggins	6	N <sub>2</sub> Puro		1963
PGC Australia for ICI Air Project, UK	Wiggins	142	CO <sub>2</sub>		1963
PGC Australia for ICI Air Project, UK	Wiggins	142	CO <sub>2</sub>		1963
B.O.C. for Harwell, UK	Wiggins	15	Helio		1963
U.K.A.E.A. Oxford for Harwell, UK	Wiggins	3	Argonio		1963
North West Gas Board, Glossop, UK	Wiggins	8,495	Gás Manufat		1962
Colvilles, UK	Wiggins	28,315	GCO		1962
Wales Gas Board for Llwynpia, UK	Wiggins	28,315	Gás Manufat		1962
Power Gas India	Wiggins	1,415	Oxigênio Úmido		1962
British Oxygen Co. London for Grangetown Midd. UK	Wiggins	85	Nitrogênio		1962
Eastern Gas Board for Bruham-on-Crough, UK	Wiggins	1,699	Gás Manufat		1962
Nitrogen Fertilizers Ltd, Flixbrough, UK	Wiggins	5,660	Metano - GCO		1962
Nitrogen Fertilizers Ltd, Flixbrough, UK	Wiggins	3,395	Misto/GCO		1962
B.O.C. Ltd, London for Newport, UK	Wiggins	85	Hidrogênio		1962
Power Gas Co, Laboratory, UK	Wiggins	7	Varios		1962
Power Gas Co. Laboratory, UK	Wiggins	7	Varios		1962
P.G.C. for Southall, UK	Wiggins	7	CO <sub>2</sub>		1962
B.O.C. Ltd, London for Southampton, UK	Wiggins	55	Nitrogênio		1962
B.O.C. Ltd, London for Southampton, UK	Wiggins	42	Hidrogênio		1962
Fairley Aviation Nuclear Energy Div. Stockport, UK	Wiggins	0,17	Helio Radioativo		1961
Machom Products, Whitehave, UK	Wiggins	480	Hidrogênio		1961
North Thames Gas Board for Fulham, UK	Wiggins	1.5	Metano		1961
Fairey Eng. Ltd. for Winfirth Heath, UK	Wiggins	15	CO <sub>2</sub>		1961
C.E.R.N. Switzerland	Wiggins	17	Hidrogênio		1961
Geo. Wimpey for Bombay India	Wiggins	42	Etileno		1960
Lummus Co Ltd London for Birch Coppice, Warks, UK	Wiggins	850	Inerte		1960
Power Gas Corp. India for Gov. of India, Bombay, India	Wiggins	1.5	Oxigênio		1960
Power Gas Corp. Bombay, India	Wiggins	1.5	Oxigênio		1960
Power Gas Corp. Bombay, India	Wiggins	3	Hidrogênio		1960
Power Gas Corp. Bombay, India	Wiggins	3	Hidrogênio		1960

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Construction James Brown for I.C.I. Billingham. UK	Wiggins	85	Nitrogênio		1960
UCLAF Ltd, London, UK	Wiggins	2	Hidrogênio		1960
U.K.A.E.A. - AWRE Harwell, UK	Wiggins	17	Hidrogênio		1960
U.K.A.E.A.- AWRE Aldermaston, UK	Wiggins	1.5	Argonio		1960
British Oxygen Eng. Ltd for Harwell, UK	Wiggins	15	Argonio		1960
H.W.P. Ltd. for Risq, Denmark	Wiggins	7	Helio		1959
H.W.P. Ltd for Risq, Denmark	Wiggins	3	Helio		1959
British Oxygen Eng. Ltd for N. Ireland	Wiggins	1,415	Acetileno		1959
British Oxygen Eng. Ltd for Spadeadown, UK	Wiggins	283	Nitrogênio		1959
Eastern Gas Board, Ipswich for Manningtree, UK	Wiggins	1,415	Gás de Carvão		1959
UCLAF London for Stradford, UK	Wiggins	28	Hidrogênio		1959
Eastern Gas Board for Royston, UK	Wiggins	1,980	Gás de Carvão		1958
Monsanta Chemicals for Fawley, UK	Wiggins	1,980	Etileno		1958
Mond Nickel, Clydach, UK	Wiggins	2,830	Hidrogênio		1958
North Thames Gas Board, Canvey Island, UK	Wiggins	2,830	Metano		1958
British Oxygen Eng. Ltd. for Spadeadam, UK	Wiggins	142	Nitrogênio		1958
U.K.A.E.A. Research for Dorset, UK	Wiggins	8	Nitrogênio		1958
British Oxygen Ltd for Dounreay, UK	Wiggins	15	Argonio		1958
I.C.I. Manchester Blackley for Wilton, UK	Wiggins	3	Nitrogênio e CO2		1958
I.C.I. Welwyn Garden, UK	Wiggins	11	Etileno		1958
I.C.I. Welwyn Garden, UK	Wiggins	11	Etileno		1958
Laporte Ltd., Warrington, UK	Wiggins	1,130	Hidrogênio		1957
I.C.I. Wilton, UK	Wiggins	5,000	Nitrogênio		1957
Geo. Wimpey Ltd for Grangemouth, Uk	Wiggins	55	Etileno		1957
Eastern Gas Board, Well-next-Sea, UK	Wiggins	850	Gás de Carvão		1957
Richard Thomas & Baldwin, UK	Wiggins	566	N <sub>2</sub> - H <sub>2</sub>		1957
Richard Thomas & Baldwin, UK	Wiggins	566	Hidrogênio		1957
U.K.A.E.A. Risley for Springfields, UK	Wiggins	850	Hidrogênio		1957
Vaesteras Stads, Teniska, Verk. Sweden	Wiggins	566	Gás Man / Esgoto		1957
North Western Gas Board, Millom, UK	Wiggins	6,655	Gás de Carvão		1956

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I.C.I. Manchester, for Wilton, UK	Wiggins	340	Dimetil Éterr		1956
North Eastern Gas Board, Winsford, UK	Wiggins	14,160	Gás de Carvão		1956
Distillers Co. Ltd for Hedon, Hull, UK	Wiggins	283	Nitrogênio		1956
I.C.I. Billingham, UK	Wiggins	2,830	Nitrogênio		1956
Unilever Ltd., Purfleet, UK	Wiggins	212	Hidrogênio		1956
I.C.I. Manchester for Wilton, UK	Wiggins	15	Nitrogênio		1956
I.C.I. Manchester for Wilton, UK	Wiggins	15	Nitrogênio		1956
H.W.P. Ltd for Dounreay, UK	Wiggins	3	Helio		1956
H.W.P. Ltd for Harwell, UK	Wiggins	3	Helio		1956
H.W.P. Ltd for Harwell, UK	Wiggins	7	Helio		1956
H.W.P. Ltd for Dounraey, UK	Wiggins	7	Helio		1956
H.W.P. Ltd for Australia	Wiggins	3	Helio		1956
H.W.P. Ltd for Australia	Wiggins	15	Helio		1956
H.W.P. Ltd for Aldermaston	Wiggins	3	Argonio		1956
H.W.P. Ltd for Aldermaston	Wiggins	7	Argonio		1956
Cynamid, Bromborough Port, UK	Wiggins	42	SO <sub>2</sub>		1955
Wales Gas Board, Point of Air, UK	Wiggins	7,080	Gás reformado		1955
Eastern Gas Board, Pottton, UK	Wiggins	850	Gás de Carvão		1955
J. Crosfield, Warrington, UK	Wiggins	1,415	Gás d'Água		1955
Head Wrightson Process Engineering, Harwell, UK	Wiggins	15	Helio		1955
Fisons for Immingham, UK	Wiggins	15	Amônia Anidra		1955
Plessey Ltd, Ilford, UK	Wiggins	3	N <sub>2</sub> - H <sub>2</sub>		1955
H.W.P. Ltd for Harwell, UK	Wiggins	3	Helio seco		1955
U.K.A.E.A. Risley, UK	Wiggins	7	Argonio		1955
U.K.A.E.A. Risley, UK	Wiggins	7	Argonio		1955
British Oxygen for Aldermaston, UK	Wiggins	15	Argonio		1955
British Oxygen for Aldermaston, UK	Wiggins	15	Argonio		1955
British Oxygen for Aldermaston, UK	Wiggins	15	Argonio		1955
West Midlands Gas Board, Craven Arms, UK	Wiggins	850	Gás de Carvão		1954
West Midlands Gas Board, Church Stretton, UK	Wiggins	850	Gás de Carvão		1954
M.O.S. New U,K,A,E,A, Aldermaston, UK	Wiggins	1.5	Argonio		1954



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Municipality of Silkeborg, Denmark	Wiggins	12,000	Gás de Carvão		1954
I.C.I. Runcorn, for Wilton, UK	Wiggins	42	Argonio 10		1954
I.C.I. Runcorn, for Wilton, UK	Wiggins	15	Nitroênio		1954
South Eastern Gas Board, UK	Wiggins	15	Experimental		1954
U..K.A.E.A. Harwell, UK	Wiggins	7	Experimental		1954
Distillers, Barry, UK	Wiggins	283	Nitrogênio		1954
M.O.S. U.K.A.E.A., Aldermaston, UK	Wiggins	1.5	Argonio		1954
U.K.A.E.A., Aldermaston, UK	Wiggins	1.5	Argonio		1954
National Coal Board, Point of Air, UK	Wiggins	7,080	Metano		1953
E.B. Badgers, Ellesmere Port, UK	Wiggins	283	Nitrogênio		1952
Northern Gas Board, Alston, UK	Wiggins	283	Gás de Carvão		1951