

Grid points and gas specification of GASCADE Gastransport GmbH



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Grid points in Trading Hub Europe (THE) market area:

Grid point ID	ETSO/EIC-Code	Grid point name	Flow direction	Grid point type	Adjacent system operator / storage operator	Gas specification
	MaLo-ID					
2730	21Z000000000092O	Olbernhau II*	EX	IP - international	NET4GAS s.r.o.	1
273+	21Z0000000004863	VIP Brandov	EX	IP - international	NET4GAS s.r.o.	1
273+	21Z0000000004863	VIP Brandov	EN	IP - international	NET4GAS s.r.o.	1
3070	37Z0000000052293	Sp. Rehden	EN	Storage	astora GmbH & Co. KG	1
3070	37Z0000000052293	Sp. Rehden	EX	Storage	astora GmbH & Co. KG	1
6800	21Z000000000056S	Mallnow	EN	IP - international	GAZ-SYSTEM S.A.	1
6800	21Z000000000056S	Mallnow	EX	IP - international	GAZ-SYSTEM S.A.	1
01A+	37Y000000000251C	Ostpfalz	EX	Exit zone	Creos Deutschland GmbH	1
0AAA	37Z0000000035275	TW Ludwigshafen	EX	IP - downstream NO	TWL Netze GmbH	1
0CF+	37Z0000000068851 10259863224	Wörth	EX	Exit zone	end consumer	1
0CFC	37Z000000006895Z 10259863232	Karlsruhe-Maxau	EX	GCP	end consumer	1
0CFD	37Z000000007089K 10259863240	BGEA Wörth	EN	GCP	biogas producer	4
11A+	37Z000000004115N	RMN	EX	Exit zone	e-netz Südhessen GmbH & Co. KG	1
11B+	37Y000000000028F	Hamel	EX	Exit zone	GWS Stadtwerke Hameln GmbH	1
1BMA	21Z000000000268D	Jemgum I	EX	Storage	astora GmbH & Co. KG	1
1BMA	21Z000000000268D	Jemgum I	EN	Storage	astora GmbH & Co. KG	1
1BMB	--- 10259863258	Jemgum IV	EX	GCP	end consumer	1
1BQA	21Z000000000267F	Nüttermoor	EX	Storage	EWE GASSPEICHER GmbH	1
1BQA	21Z000000000267F	Nüttermoor	EN	Storage	EWE GASSPEICHER GmbH	1
1BRA	21Z000000000269B	Jemgum III	EX	Storage	EWE GASSPEICHER GmbH	1
1BRA	21Z000000000269B	Jemgum III	EN	Storage	EWE GASSPEICHER GmbH	1
1FZA	37Z000000003938L	SW Bünde	EX	IP - downstream NO	Energie- und Wasserversorgung Bünde GmbH	1
1GZA	37Z000000003941W	SW Lemgo	EX	IP - downstream NO	Stadtwerke Lemgo GmbH	1
1IMA	37Z000000001587Y	Warburg I	EX	IP - downstream NO	Westnetz GmbH	1
1LLA	37Z00000000051580	Großenritte	EX	IP - downstream NO	terraneis bw GmbH	1
1LMA	37Z000000006904N 10259863266	Baunatal	EX	GCP	end consumer	1
1LZA	37Z000000006774A	Malsfeld-Ostheim	EX	IP - downstream NO	EAM Netz GmbH	1
1NFA	37Z000000003909S	SW Hünfeld	EX	IP - downstream NO	Stadtwerke Hünfeld GmbH	1
1NLA	37Z0000000003425D	Reckrod II	EX	IP - downstream NO	terraneis bw GmbH	1
1RZA	37Z0000000005159Z	Wirtheim	EX	IP - downstream NO	terraneis bw GmbH	1
1SEA	37Z000000004647R	Jügesheim II	EX	IP - downstream NO	MAINGAU-Energie GmbH	1
1UXB	37Z000000000194L	GGEW Bensheim	EX	IP - downstream NO	GGEW Gruppen-Gas- und Elektrizitätswerk Bergstraße AG	1
1UZB	37Z0000000004016P	SW Weinheim	EX	IP - downstream NO	Stadtwerke Weinheim GmbH	1
1VCC	37Z000000002352J	Worms	EX	IP - downstream NO	EWR Netz GmbH	1
1VCF	37Z0000000006770I	Mörsch-West	EX	IP - downstream NO	Stadtwerke Frankenthal GmbH	1
1VNA	37Z000000000275L	SW Lampertheim	EX	IP - downstream NO	ENERGIERIED GmbH & Co. KG	1
1VTA	37Z000000006908F 10259863274	Mannheim I	EX	GCP	end consumer	1
1VTB	37Z000000006889U 10259863282	Mannheim-Waldhof	EX	IP - downstream NO	MVV Netze GmbH	1
1VZA	37Z000000006888W 10259863290	Ludwigshafen	EX	GCP	end consumer	1
22A+	37Y0000000003607	Suedsachsen	EX	Exit zone	inetz GmbH	1
2BZA	37Z000000004066A	SW Marienberg	EX	IP - downstream NO	Energieversorgung Marienberg GmbH	1
2CXA	37Z0000000069467 10259863307	Chemnitz-Stelzendorf	EX	GCP	end consumer	1
2EEA	37Z0000000003796F	SW Crimmitschau	EX	IP - downstream NO	Mitteldeutsche Netzgesellschaft Gas mbH	1
2EFA	37Z0000000006750O	SW Werdau	EX	IP - downstream NO	Stadtwerke Werdau GmbH	1
2EZA	37Z00000000030699	Gera-Gorlitzschberg	EX	IP - downstream NO	GeraNetz GmbH	1
2FZA	37Z00000000040775	Stadtroda II	EX	IP - downstream NO	Stadtwerke Stadtroda GmbH	1
2LXA	37Z0000000003701F	Wölfershausen	EX	IP - downstream NO	terraneis bw GmbH	1
52A+	37Z0000000004128E	Glauchau	EX	Exit zone	Stadtwerke Glauchau Dienstleistungsgesellschaft mbH	1
55A+	37Z0000000004741Z	Altenburg	EX	Exit zone	Energie- und Wasserversorgung Altenburg GmbH	1
5AKA	37Z0000000004070J	SW Meerane	EX	IP - downstream NO	Stadtwerke Meerane GmbH	1
6BUA	37Z000000007020J 10259863315	Nonnendorf	EN	GCP	biogas producer	3

6CZA	21Z00000000372I	Bobbau	EX	Storage	Erdgasspeicher Peissen GmbH	1
6CZA	21Z00000000372I	Bobbau	EN	Storage	Erdgasspeicher Peissen GmbH	1
7CZA	37Z000000003797D	Rotenburg-Boetersen	EX	IP - downstream NO	Stadtwerke Rotenburg (Wümme) GmbH	1
7DHA	37Z0000000070186 10259863323	Fuchswinkel	EN	GCP	biogas producer	2
7FRA	---	Heidenau SH	EX	IP - downstream NO	Schleswig-Holstein Netz AG	1
7GZA	---	Heidenau HH	EX	IP - downstream NO	Gasnetz Hamburg GmbH	1
88A+	---	Lippstadt	EX	Exit zone	Stadtwerke Lippstadt GmbH	1
88B+	37Z000000004181A	Monheim	EX	Exit zone	Monheimer Elektrizitäts- und Gasversorgung GmbH	1
88I+	37Z000000006475K	Dormagen Chempark H	EX	Exit zone	Currenta GmbH & Co. oHG	1
8AFA	37Z000000006902R 10259863331	Hillegossen	EX	GCP	end consumer	1
8AFC	37Z000000000002J	Bielefeld (KOWI)	EX	IP - downstream NO	SWB Netz GmbH	1
8AZA	37Z000000006367N	Gütersloh-Verl	EX	IP - downstream NO	Netzgesellschaft Gütersloh GmbH	1
8CLA	37Z000000003886E	SW Soest	EX	IP - downstream NO	Stadtwerke Soest GmbH	1
8ERB	37Z0000000068932 10259863357	Hagen-Boele	EX	GCP	end consumer	1
8EUA	---	Herdecke 1	EX	GCP	end consumer	1
8EUB	10259863498	Herdecke 2	EX	GCP	end consumer	1
8FZA	---	Wuppertal-Hohenhagen	EX	IP - downstream NO	WSW Netz GmbH	1
8GWA	37Z000000006905L 10259863365	Rath	EX	GCP	end consumer	1
8GWB	37Z000000006015H	Ratingen	EX	IP - downstream NO	Stadtwerke Ratingen GmbH	1
8GZA	37Z000000006470U	Uerdingen	EX	IP - downstream NO	Currenta GmbH & Co. oHG	1
8IRB	37Z000000006469F	Leverkusen	EX	IP - downstream NO	Currenta GmbH & Co. oHG	1
8IRD	37Z0000000073126 10259863472	Köln-Merkenich II	EX	GCP	end consumer	1
8IZB	---	Neuss	EX	GCP	end consumer	1
8KLC	37Z000000006887Y 10259863399	Kalscheuren	EX	GCP	end consumer	1
8KLD	37Z0000000068843 10259863406	Wesseling I	EX	GCP	end consumer	1
8KLE	37Z000000006913M 10259863414	Hürth	EX	GCP	end consumer	1
8KLF	37Z0000000068940 10259863422	Wesseling II	EX	GCP	end consumer	1
8KLH	37Z000000007022F 10259863448	Godorf	EX	GCP	end consumer	1
8KLK	---	Sürth	EX	GCP	end consumer	1
8MLA	10259863505	Weisweiler	EX	GCP	end consumer	1
88M+	---	Aachen Süd	EX	IP - downstream NO	Regionetz GmbH	1
95AA4	37Z000000008921D	Baltic Energy Gate	EN	LNG	Deutsche ReGAs GmbH & Co. KGaA	1

* The marketing of marked interconnection points has been stopped as of 01/Nov/2018 and transferred to the VIP Brandov.

Abbreviations:

EX = Exit point

EN = Entry point

IP = Interconnection Point

GCP = Grid Connection Point

NO = Network Operator

LNG = Entry point from LNG-facilities

Contract parameter [2]	Unit	1	2	3	4	
		Injection / withdrawal specifications main grid	Injection biogas Fuchswinkel	Injection biogas Nonnendorf	Injection biogas Wörth	
wobbe index min.	kWh/m ³	Technical rule of DVGW [1] DVGW G 260 (A) Gas Quality in the version currently valid in Germany	13.60	13.60	13.80	
wobbe index max.	kWh/m ³		15.70	15.00	15.70	
gross calorific value min.	kWh/m ³		10.56	10.50	10.60	
gross calorific value max.	kWh/m ³		12.30	12.20	12.80	
relative density min.				0.55	0.55	
relative density max.			0.75	0.75	0.75	
hydrocarbon dew point max.	°C			ground temper. @ delivery pressure	2°C @ delivery pressure	-8 °C @ 70 bar
water content / absolute humidity max.	mg/m ³		50	50	50	
oxygen content max.	mol-% / ppm		15 000	3 500	5 000	
carbon dioxide content max.	mol-%		3.68	3.00	4.00	
hydrogen sulfide + carbonyl sulfide (as sulfur) max.	mg/m ³		5.00	5.00	5.00	
mercaptan sulfur (as sulfur) max.	mg/m ³		6.00	6.00	6.00	
total sulfur max.	mg/m ³		30.00	30.00	6.00	

Gross calorific value and wobbe index are referring to a reference temperature of 298,15 K (25 °C) and combustion circumstances of 1,01325 bar and 273,15 K (0 °C). The gas transported to and from the connection points may not contain any other elements or impurities (such as, but not limited to methanol, condensates and gas odorants) to the extent that the natural gas delivered cannot be further transported without incurring additional cost for quality adjustment. The requirements in this table are technical requirements in accordance with Section 20 (2) of the respectively valid version of the General Terms & Conditions for Entry/Exit contract of GASCADE Gastransport GmbH.

[1] Deutscher Verein des Gas- und Wasserfachs e.V. / German Technical and Scientific Association for Gas and Water

[2] A non-exhaustive list of relevant parameter from the technical rule of DVGW G 260 which requirements are applicable to the full extent (also those which are not on the list)

This document is a convenience translation of the German original. In case of discrepancy between the English and the German versions, the German version shall prevail.