



Advantages

- Highest quality standard by latest state of production and engineering, application of ISO 9001 quality management system
- European type approval (EN 267 / 676), CE certification, international type acceptance
- Economic due to optimal combustion
- Environment-friendly due to low NOx technology

The SAACKE DDZ burner is an injection atomiser with a wide control range. The oil is atomised within a nozzle by means of steam or compressed air. The nozzle consists of a shaft and the nozzle head. The steam is centrally guided to the nozzle, and the oil is fed to the nozzle through a ring gap. This 2-phase mixture leaves the nozzle through several bore holes specially adapted to the oil through-put, then it expands and breaks into many small droplets. For the last years, SAACKE has continuously enhanced this low NOx nozzle system to achieve ultimate perfection.

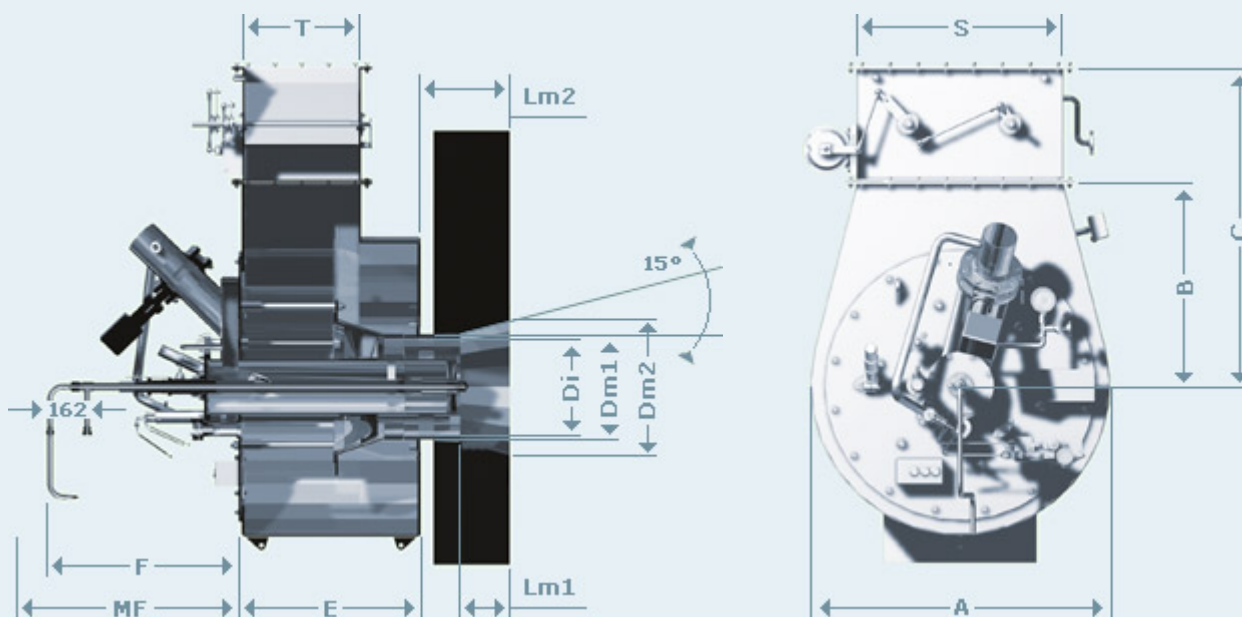
The SAACKE steam atomising burner of type DDZ are low NOx burners available in duoblock construction (i.e. burner and fan are installed at different locations). Basically, light fuel oil and heavy oil or gas may be used as fuels, but even a combination of gas and oil is possible.

The SAACKE DDZ burners are especially used in large water tube boilers, but also as turbine exhaust gas burners in power plants, waste incineration plants and for special thermal-process technology applications.

Capacity range	4.6 - 126.8 MW
Fuels	Light fuel oil DDZ Heavy oil DDZ Gas DDG Light fuel oil / gas DDZG Heavy oil / gas DDZG
Application fields	Large water tube boilers, turbine exhaust gas burners in power plants, waste incineration plants

SAACKE may provide you both with the individual burner as with the complete firing plant. The most essential components of a steam atomising burner system are the burner itself, the air guiding system with fan, the control and monitoring system, and the oil and steam valves and fittings. Air guiding is realised by means of a wind box which is a static air box welded to the boiler wall. This highly-developed SAACKE air guiding systems allows you to individually adjust staged air which ensures optimum low-emission combustion. When greater demands are being placed to the emission level and the preconditions are extremely difficult, the SAACKE steam atomising burner is also available in an extended version.





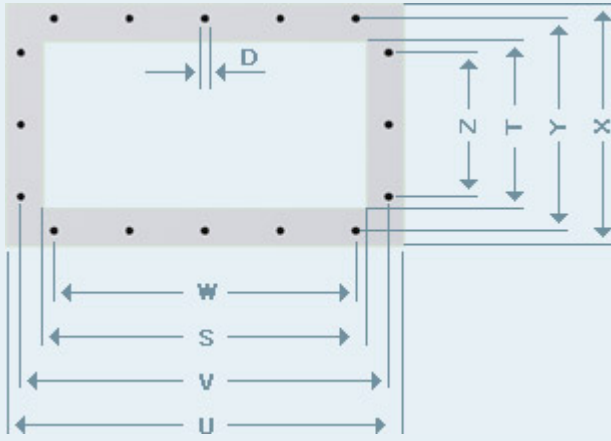
Maße / Dimensions (mm)

Brennertyp Burner type	Di	Dm1	Dm2	Lm1	Lm2*	A	B	C	E	F	MF*
DDZ(G) 8	300	331	417	160	310	980	700	1050	550	560	2000
	315	346	432	160	310	980	700	1050	550	560	2000
	335	366	452	160	310	980	700	1050	550	560	2000
	355	386	472	160	310	980	700	1050	550	560	2000
DDZ(G) 10	375	406	513	200	350	1180	800	1250	700	776	2000
	400	431	538	200	350	1180	800	1250	700	776	2000
	425	456	563	200	350	1180	800	1250	700	776	2000
	450	481	588	200	350	1180	800	1250	700	776	2000
DDZ(G) 12	475	506	640	250	400	1450	1000	1300	900	1016	3000
	500	531	665	250	400	1450	1000	1300	900	1016	3000
	530	561	695	250	400	1450	1000	1300	900	1016	3000
	560	591	725	250	400	1450	1000	1300	900	1016	3000
DDZ(G) 14	600	631	792	300	500	1900	1400	1750	1100	1170	3750
	630	661	822	300	500	1900	1400	1750	1100	1170	3750
	670	701	862	300	500	1900	1400	1750	1100	1170	3750
	710	741	902	300	500	1900	1400	1750	1100	1170	3750
DDZ(G) 16	750	781	969	350	650	2500	1800	2250	1350	810	4500
	800	831	1019	350	650	2500	1800	2250	1350	810	4500
	850	881	1069	350	650	2500	1800	2250	1350	810	4500
	900	931	1119	350	650	2500	1800	2250	1350	810	4500

* variiert anlagenspezifisch

* plant-specific





Maße / Dimensions (mm)									
Brennertyp Burner type	D	S	T	U	V	W	X	Y	Z
DDZ(G) 8	11.5	600	350	700	660	6x95	450	410	3x110
DDZ(G) 10	11.5	800	450	900	860	7x110	550	510	4x105
DDZ(G) 12	11.5	1000	600	1100	1060	10x95	700	660	6x95
DDZ(G) 14	11.5	1200	750	1300	1260	11x105	850	810	8x90
DDZ(G) 16	14.0	1500	1000	1620	1570	14x105	1120	1070	10x95

Technische Daten DDZ(G) 18 auf Anfrage

Technical data DDZ(G) 18 on request

Brennstoff Fuel	Leistung Capacity ca. (MW)	4.6 ▼ 11.7	7.8 ▼ 19.8	13.3 ▼ 31.8	20.8 ▼ 50.4	32.5 ▼ 81.5	53.1 ▼ 126.8
	Brennertyp Burner type	8	10	12	14	16	18*
Leichtöl Light fuel oil	DDZ	—	—	—	—	—	—
Schweröl Heavy oil	DDZ	—	—	—	—	—	—
Gas	DDG	—	—	—	—	—	—
Leichtöl/Gas Light fuel oil/gas	DDZG	—	—	—	—	—	—
Schweröl/Gas Heavy oil/gas	DDZG	—	—	—	—	—	—

* auf Anfrage

* on request