

# DIN EN ISO 22580:2022-11 (E)

## Flares for combustion of biogas (ISO 22580:2020)

---

<b>Contents</b>		<b>Page</b>
European foreword .....		3
Foreword .....		4
Introduction .....		5
1	Scope .....	6
2	Normative references .....	6
3	Terms and definitions .....	6
4	Abbreviated terms .....	7
5	Classification of flares for combustion of biogas .....	8
6	Design and construction of flares for combustion of biogas .....	9
6.1	Efficiency of the flare .....	9
6.2	Pressure .....	9
6.3	Air supply and gas flow .....	9
6.4	Pilot burner .....	10
6.5	Treatment of the gas .....	10
6.6	Materials .....	10
6.7	Flame arresters .....	11
6.8	Burner control unit, ignition transformer, flame monitoring device .....	11
6.9	Safety valves and other valves .....	11
6.10	Control system .....	12
6.11	Flow measuring and gas analysis .....	12
6.12	Condensate removal .....	13
6.13	Insulation and heating .....	13
6.14	Heat protection .....	13
6.15	Buildings and cabinets .....	13
6.16	Lightning protection and earthing .....	13
6.17	Strength and stability calculations .....	13
6.18	Distances to other objects .....	13
7	Operations and maintenance requirements .....	14
7.1	Operations and maintenance manual .....	14
7.2	Testing of the flare .....	14
7.3	Operation of the flare .....	15
7.4	Maintenance and inspection of the flare .....	15
Bibliography .....		17