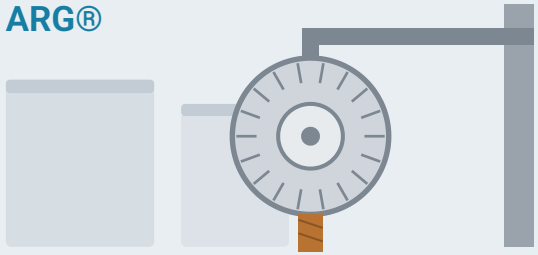
How many ARG® units does your tank need?

04 . Quantity . Standards . Testing

ARG®



Laboratory tests

Tested

Laboratory reports cover continuity, resistance, inductance and current-carrying behaviour: resistance below 8 milliohms when fully extended, and 2 kA / 5 ms and 800 A / 1 s carried without sparking or excessive temperature rise.

Installation in five steps

1 Mount — Bracket on the shell rim, reel on the inside

2 Connect — Roof terminal on clean metal, at the specified torque

3 Travel — Free tape payout over the full roof travel

4 Measure — End-to-end continuity

5 Record — Label, values and file Handover

Reference standards: NFPA 780 · API/EI 545-A · API RP 545

18-month warranty · INSO 23828:2025 - design basis · IEC 62305

Designed and manufactured by KALOT Group

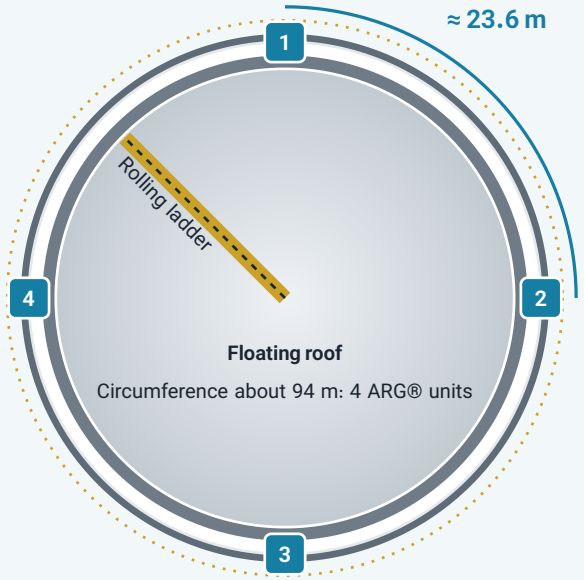
Units by tank diameter

$$N = \max(2, \lceil \pi \cdot D / 30\ \text{m} \rceil)$$

9	Ø ≤ 85.9 m	2	Ø ≤ 19.1 m
10	Ø ≤ 95.5 m	3	Ø ≤ 28.6 m
11	Ø ≤ 105.0 m	**4**	**Ø ≤ 38.2 m**
12	Ø ≤ 114.6 m	5	Ø ≤ 47.7 m
13	Ø ≤ 124.1 m	6	Ø ≤ 57.3 m
14	Ø ≤ 133.7 m	7	Ø ≤ 66.8 m
15	Ø ≤ 143.2 m	8	Ø ≤ 76.4 m

One unit per 30 m of tank circumference or part of it; even the smallest floating roof tank needs at least two ARG® units. Check the shell height and full roof travel: the tape length (ARG-18, ARG-20 or ARG-25) must cover the full travel plus the length needed for connection.

Plan view, example: 30 m diameter tank



Space the units evenly around the shell rim; the roof terminal of each unit directly below its reel. If the tank has a rolling ladder, one of the required bypass conductors runs along it and is bonded to the ladder, roof and shell.

This document is not contractual; we may update product design, dimensions, weights and images without prior notice.

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