



### Description:

AIC-STEP (Anti-Ice Cassette Steps) with self-regulating power output, anti-icing of escape walkways.

For use on vessels, rigs and other installations operating in arctic and cold climate conditions. Manufactured according to operating conditions.

Installed directly on top of existing step surface or self-supporting steps mounted in stairway trap. Quick coupling availability outside zone areas, with IP68 on coupling. Flying lead in zone areas.

### Approvals and tests:

- ATEX and IECEx, as a product. Anti-Ice Cassette system (AIC)
  - Presafe 19ATEX14052X, marking: II 2 G Ex eb II T4 Gb
  - IECEx PRE 19.0007X, marking: II 2 G Ex eb ia IIC T4 Gb
- Offshore rule DNVGL-OS-A201 edition July 2015.
  - Winterization Qualifier: **Basic, Cold and Polar**  $t_w \geq -30^\circ\text{C}$
- DNVGL rules for ships Pt.6 Ch.6 Sec. 3 (5.1.3) Edition July 2018.
  - Winterization Qualifier: **Basic, Cold and Polar** @ $t_w = -25^\circ\text{C}$  and wind speed of 20m/s.

### Specifications:

Voltage :	230 VAC nominal (min. 200 VAC-max. 250 VAC)
Power density :	655 W / m <sup>2</sup> (project spec dependent)
IP Rating:	IP 66/67
Heating element :	High quality Self-regulating heating cable
Flying lead:	Draka BFOU 2x1,5mm <sup>2</sup> to 2x6mm <sup>2</sup>
Point load :	100x100 mm 4kN
Top surface :	NORSOK M-501, System 4, Anti-slip – RAL 1021( Yellow) Standard Other RAL codes can be supplied.
Size heated area :	According to size of existing step
Size footprint:	According to size of existing step, H=40mm
Weight :	33 Kg/m <sup>2</sup>

Other size, power output can be manufactured according to specific climate specification.