

TYPE APPROVAL CERTIFICATE

This is to certify:

That the Tank Washing Machine

with type designation(s)
SC 40RT, SC 40RA

Issued to

SCANJET MARINE AB
Sjöbo, Skåne Län, Sweden

is found to comply with

MARPOL 73/78 Annex 1, Reg. 13 B (2) and IMO Revised Spec. Res. A. 446 (XI) 4.2
DNV GL rules for classification – Ships

Application :

Product(s) approved by this certificate is/are accepted for installation on all vessels classed by DNV GL.

Type: Design:

Performance data:

SC 40RT Media driven, twin nozzle, fixed installed tank washing machine, with an integrated programmable drive unit.

See certificate.

SC 40RA Air driven, twin nozzle, fixed installed tank washing machine, with an integrated programmable drive unit.

See certificate.

Issued at **Høvik** on **2018-10-10**

This Certificate is valid until **2023-10-09**.

for **DNV GL**

DNV GL local station: **Stockholm**

Approval Engineer: **Erik Istad**

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Torill Grimstad Osberg
Head of Section

This Certificate is subject to terms and conditions overleaf. Any significant change in design or construction may render this Certificate invalid. The validity date relates to the Type Approval Certificate and not to the approval of equipment/systems installed.



Product description

Media driven (SC 40RT) and air driven (SC 40RA), twin nozzle, fixed installed tank washing machine, with an integrated programmable drive unit.

Nozzle sizes:

Diameter 2 times à 05, 06, 07, 08, 10, 12, 14 or 16 [mm]

Materials:

Main parts in contact with cargo are made of austenitic stainless steel AISI 316L, or equivalent, and teflon (bearings).

Driving unit cover alternative GRP or bronze.

Application/Limitation

Performance data:

Types SC 40RA / SC 40RT:

Nozzle diameter [mm]	Pressure [bar]	Flow [m³/h]	Max. effective jetlength achieved [m]
2 x Ø5	6	6	6
	8	6,5	6
	10	7	7
	12	8,2	7
2 x Ø6	6	7	7
	8	8,5	7
	10	9,3	8
	12	10	9
2 x Ø7	6	10	10
	8	11	11
	10	13	12
	12	13,5	13
2 x Ø8	6	11,5	13
	8	14	14
	10	15,5	15
	12	17	16
2 x Ø10	6	19	16
	8	22	17
	10	25	18
	12	27	19
2 x Ø12	6	28	18
	8	30	19
	10	34	20
	12	36	21
2 x Ø14	6	34	20
	8	38	21
	10	42	22
	12	45,5	24
2 x Ø16	6	40	19
	8	44	20
	10	48	21
	12	53	22

Job Id: **262.1-009359-3**
Certificate No:

Performance is based upon test requirements that meet DNV GL-CP-0211 TA-Program item 3.2.

This Type Approval is based on examination of drawings and reports from prototype tests. Drawings showing number, location and supporting arrangement of the tank washing machines are to be submitted for each installation on board.

No product certificate is required.

Type Approval documentation

Tests carried out

Performance prototype tests in presence of NK-surveyor.

Marking of product

For identification to this certificate the products are at least to be marked with:

- Manufacturers name or trade mark
- Type designation

Periodical assessment

For retention of the Type Approval, a DNV GL Surveyor shall perform a survey after 2 years and after 3.5 years before the expiry date of this certificate, to verify that the conditions for the type approval are complied with.

This certificate replaces previous Type Approval Certificate No. P-15166.

END OF CERTIFICATE