

Sede legale:Via del Commercio, 6/A
60030 Monte Roberto (AN)
T: +39 0731 22781
F: +39 0731 227806
E: info@tuvaustraiitalia.com
tuvaustraiitalia@legalmail.it
W: www.tuvaustraiitalia.com
Codice Sdl M5UXCR1**Sede operativa:**Via dell'Industria, 14
25030 Erbusco (BS)
T: +39 030 982 1049
F: +39 030 982 2253
E: info.bs@tuvaustraiitalia.com**Sede operativa:**Via Pasquale Romano, 25
72100 Brindisi (BR)
T: +39 347 597 0825
F: +39 030 982 2253
E: info.br@tuvaustraiitalia.com

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DVG Automation S.p.A.Via Gabriele Rossetti 2
29016 Cortemaggiore (PC)Erbusco, 14th April 2022**Subject: Third Party inspections according to Shell DEP 32.36.01.18-Gen.
(February 2018) and Shell DEP 31.36.10.30-Gen. (February 2017)**

Dear Sirs

With reference to what in subject, herewith we confirm that the actuator models QTHS-030S-75-C4-CL, QTHS-120C-105-E2-CL have been tested, with our witnessing, according to Shell DEP 32.36.01.18-Gen. (February 2018) (clause 9), and therefore in conformity with standard EN 15714-4 (for pressure rating = 34,5 MPa according to Table 1 of EN 15714-4).

All the tests gave satisfactory result.

According to § 5.2 of EN 15714-4, every actuator based on the same design of the aforementioned models and having a nominal output torque between $x/2$ (or 50% x) and $2x$ (or 200% x) has to be considered qualified.

Therefore, based on nominal output torque value of the actuators tested, the following torque range is qualified:

- lower limit: 14243 Nm
- upper limit: 220104 Nm

The actuators model QTHS-030S-75-C4-CL, equipped with cylinders with secondary metal seal for fire safe design according to § 16.1.3 of Shell DEP 31.36.10.30-Gen. (February 2017), has additionally been tested for metal seal leakage according to §18.2.2 of Shell DEP 31.36.10.30-Gen. (February 2017).

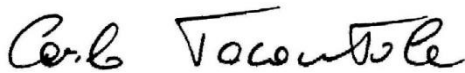
All the tests gave satisfactory result.

According to § 18.2.2 point 2.c of Shell DEP 31.36.10.30-Gen. (February 2017), each type test will cover the range from the tested piston diameter and stroke length to double the tested piston diameter and double the tested stroke length.

Therefore, the following piston rod diameter range and actuator stroke range are covered by type test:

- 1) piston diameter:
 - qualified range: from 75 mm to 210 mm
- 2) actuator stroke:
 - qualified range: from 180 mm to 720 mm

Best regards



Carlo Tarantola