



Certificate of Conformity

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| afp - 2762 | 10-May-2012 | Number 13 | Issue date 1-May-2021 | 30-Apr-2022 |

Product designation

QTEC VDAS, Loss of Pressure (LOP) and Rise of Pressure (ROP), pre-engineered foam water spray vehicular fire extinguishing system

(Refer to the Schedule/enclosures for further specified details)

Agent/distributor

QTEC Fire Services
5 Buttonwood Place, WILLAWONG, QLD, AUSTRALIA, 4110

Registrant

QTEC Fire Services
5 Buttonwood Place, WILLAWONG, QLD, AUSTRALIA, 4110

Producer

QTEC Fire Services
5 Buttonwood Place, WILLAWONG, QLD, AUSTRALIA, 4110

Conformance criteria and evaluation

The QTEC VDAS, Loss of Pressure (LOP) and Rise of Pressure (ROP), pre-engineered foam water spray vehicular fire extinguishing system has been evaluated and verified as conforming with the relevant requirements of the following criteria.

1. Australian Standard AS 5062:2016, 'Fire protection for mobile and transportable equipment'.
2. Australian Standard AS 5062-2006, 'Fire protection for mobile and transportable equipment'.

Limitations/conditions of conformance

Limitations/conditions of conformance, where identified on this certificate, are derived from qualifications from evaluation(s) for conformity and/or other related technical documentation. All details with respect to design, assembly and installation instructions and restrictions should be checked against the producer's current technical manual/data sheets and the requirements of the Authority having Jurisdiction.

Specified limitations/conditions, determined from the evaluation for conformity, include the following.

1. VDAS Loss of Pressure (LOP) Systems
 - a. The system is designed, installed, operated, and maintained, in accordance with the QTEC Fire Services Pty Ltd, VDAS LOP Design, Installation, and Commissioning Manual Edition 11 (Part number QTB951).
 - b. The fire suppression system is to be only operated between: - 5°C to 60°C.
 - c. LOP valve operating pressure range: min 1,350 kPa—max. 1,500 kPa.

(Limitations/conditions of conformance continue)

Issued by

David Whittaker
Executive Officer – ActivFire Scheme



This certification is issued within the scope of CSIRO Verification Services – Rules governing ActivFire Scheme and is valid only for the product(s) as submitted for evaluation and verification of conformity, subject to the following conditions.

- Reference to details, limitations and requirements, where documented as a schedule/enclosure with this certificate.
- The Registrant is responsible for their attestation of conformity and ensuring that on-going production complies with the conformance criteria defined in this certificate.
- This certificate will not be valid if any changes or modifications are made to the product which have not been notified and validated by CSIRO Verification Services.
- This certificate is subject to periodical re-validation upon verification that all requirements, as determined by the conformity assessment body, continue to be satisfactorily met by the Registrant.
- This certificate may only be reproduced in its published form, without modification and inclusive of all schedules/enclosures.
- Any changes, errors or omissions, must be submitted in writing and if necessary or requested, substantiated with relevant evidence.
- Any representations, such as advertising or other marketing related activities or articles shall reflect the correct contents of this certificate and conform with all relevant trade practices .and consumer protection legislation and regulations.
- Any terms or conditions of use as applicable to content and documentation as published or accessed through web sites administered by the CSIRO Verification Services.

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- d. Discharge hoses are to be SAE 100R1AT rated and meets MSHA 2G flame resistance requirements.
 - e. For this activation system, special 3/16" LOP hose is required.
 - f. The tube used must be Annealed Stainless Steel tube 1/2" O.D. X 20 Ga (0.89 wt) AS316.
 - g. Foam agents for use on Class A and Class B fires
 - 3% VDAS F3 fluorine free foam, or
 - 6% FIREADE 2000 aqueous film forming foam.
 - h. Nozzle design and selection, foam filling quantities and cylinder selection must be in accordance with the information and limitations as outlined in the relevant Design, Installation, and Commissioning Manual.
 - i. The cylinder should not be mounted more than 30° from the Y axis (vertical plane)
2. VDAS Rise-of-Pressure (ROP) Systems
- a. The system is designed, installed, operated, and maintained, in accordance with the QTEC Fire Services Pty Ltd, VDAS ROP Design, Installation, and Commissioning Manual Edition 11 (Part number QTB954).
 - b. The fire suppression system is to be only operated between: - 5°C to 60°C.
 - c. ROP valve operating pressure range: min 1,350 kPa—max. 1,500k Pa.
 - d. LPRM operating pressure range: min 1,000kPa—max 1,200kPa.
 - e. Hoses are to be SAE 100R1AT rated and meets MSHA 2G flame resistance requirements.
 - f. For this activation system, special LOP hose is required.
 - g. The tube used must be Annealed Stainless Steel tube 1/2" O.D. X 20 Ga (0.89 wt) AS316.
 - h. Foam agents for use on Class A and Class B fires
 - 3% VDAS F3 fluorine free foam, or
 - 6% FIREADE 2000 aqueous film forming foam.
 - i. Nozzle design and selection, foam filling quantities and cylinder selection must be in accordance with the information and limitations as outlined in the relevant Design, Installation, and Commissioning Manual.

Producer's description

The QTEC VDAS, Loss of Pressure (LOP) and Rise of Pressure (ROP), pre-engineered foam water spray vehicular fire suppression system is a fixed nozzle installation for protection of "off road" vehicles. Mining, Off-Road, Forestry and Construction equipment operating in harsh outdoor environments can be subjected at any time to the threat of fire, which may spread rapidly through the equipment endangering life and resulting in damage to major capital equipment and loss of production. The installation of a fire detection and suppression system is essential to minimize the risk to both operator and equipment.

The QTEC VDAS, Loss of Pressure (LOP) and Rise of Pressure (ROP), pre-engineered foam water spray vehicular fire suppression system designed for operating conditions experienced by mobile and transportable equipment. The QTEC VDAS, Loss of Pressure (LOP) and Rise of Pressure (ROP), pre-engineered foam water spray vehicular fire suppression system consist of pressurized cylinders containing foam solution, actuation devices to initiate discharge and a discharge network containing nozzles to direct the foam spray on the hazard.

Actuation of the extinguishing agent in the VDAS LOP system occurs when there is a loss of pressure in its actuation circuit. In the VDAS ROP system, the release of the solution is caused by a rise in pressure in its actuation network. However, the automated detection method in both systems utilises a loss of pressure in their detection circuits, or linear "fire wire" activation.

The QTEC VDAS, Loss of Pressure (LOP) and Rise of Pressure (ROP), pre-engineered foam water spray vehicular fire suppression system offers fire suppression capabilities through the combination of foam discharged in the form of a finely atomized spray. Strategically positioned nozzles direct the high velocity foam spray and provide "three dimensional" fire-fighting properties, allowing the system to suppress pressure fires such as might occur from a ruptured fuel or hydraulic line. The small droplets of foam are extremely efficient at absorbing large amounts of heat and turn to steam which further enhances the three dimensional fire-fighting properties of the QTEC VDAS, Loss of Pressure (LOP) and Rise of Pressure (ROP), pre-engineered foam water spray vehicular fire suppression system. Once discharged, the foam is also effective in suppressing spill or pool fires which may result from the collection or leakage of fuel. The resulting foam blanket provides post fire securement.

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The extinguishing agent, either VDASF3 fluorine-free foam solution or AFFF (FireAde 2000), is delivered from the agent container through a hydraulic hose / stainless steel tube network and fixed-orifice spray nozzles (non-aspirating type) onto the fire-prone surfaces / areas. The spray nozzles are located and aimed such that they provide direct droplet impingement and full coverage of selected fire hazards in the risk area protected.

Technical specification

The following details are a representative extract of the technical specification for the QTEC VDAS, Loss of Pressure (LOP) and Rise of Pressure (ROP), pre-engineered foam water spray vehicular fire extinguishing system and may be subject to change. Complete and current details should be determined from the designated producer's technical manual/data sheets.

Schedule of components and/or assemblies

The following is a schedule of validated components and/or assemblies of the certified/listed equipment.

| Description | Part number |
|--|--------------|
| 9 ltr Cylinder assembly complete-LOP | QTA9/12-L |
| 25 ltr Cylinder assembly complete-LOP | QTA19/25-L |
| 35 ltr Cylinder assembly complete-LOP | QTA26/35-L |
| 45 ltr Cylinder assembly, New Tall-LOP | QTA34/45NT-L |
| 45 ltr Cylinder assembly complete-LOP | QTA34/45-L |
| 65 ltr Cylinder assembly complete-LOP | QTA50/65-L |
| 88 ltr Cylinder assembly complete-LOP | QTA66/88-L |
| 106 ltr Cylinder assembly complete-LOP | QTA80/106-L |
| 25 ltr Cylinder assembly complete-ROP | QTA19/25-R |
| 35 ltr cylinder assembly complete-ROP | QTA26/35-R |
| 45 ltr cylinder assembly, New Tall-ROP | QTA34/45NT-R |
| 45 ltr cylinder assembly complete-ROP | QTA34/45-R |
| 65 ltr Cylinder assembly complete-ROP | QTA50/65-R |
| 88 ltr Cylinder assembly complete-ROP | QTA66/88-R |
| 106 ltr Cylinder assembly complete-ROP | QTA80/106-R |
| 2.5lt Cylinder Bracket | QTB467/2.5 |
| 4.5lt Cylinder Bracket | QTB467/4.5 |
| 6lt Cylinder Bracket | QTB467/6 |
| 9lt Cylinder Bracket | QTB467/9 |
| Bracket 2 Ltr LPRM Cylinder | QTB 448 |
| Bracket 1Ltr LPRM Cylinder | QTB 449 |
| Bracket Cylinder LT-101-30-R | QTB462 |
| Bracket Cylinder LT-30-R | QTB463 |
| Bracket 19/25 litre | QTB450-PC |
| Bracket 35litre | QTB456-PC |
| Bracket 34/45-50/65 litre | QTB452-PC |
| Bracket 66/88-80/106litre heavy duty | QTB453-PC |
| Weld on bracket lug 60mm x 12 mm | QTB400 |
| Vibration bottle mount assembly | QTB401 |
| Std c/w bracket and cover (red) | QTB602 |
| Co2 142gm cartridge | QTB277 |
| Bulkhead complete | QTB603 |
| LOP Remote 9lt External | QTB609 |
| LOP Remote External Bulkhead | QTB611 |
| External complete with cover | QTB613 |
| Remote Bung and Cap | QTB614 |
| Single Tube Nozzle Assy 1/2", plated | QTB 091 |
| Single Tube Nozzle Assy 3/8", plated | QTB 095 |
| Brass Nozzle assy, single straight | QTB040 |
| Nozzle assy, single angled 90 | QTB041 |
| Nozzle assy, single angle 45 | QTB 041- 45 |
| Brass Nozzle assy, single end 90 | QTB042 |
| Nozzle assy, single end 180 | QTB043 |
| Nozzle assy, single end 45 | QTB044 |
| Nozzle assy, double angle 90/90 | QTB045 |
| Nozzle assy, double angle 90/45 | QTB046 |
| Nozzle assy, double angle 45/45 | QTB047 |
| Nozzle assy, double end 90/90 | QTB048 |
| Nozzle assy, double end 90/45 | QTB049 |
| Nozzle assy, double end 45/45 | QTB050 |
| Nozzle assy, compact 90/90 | QTB053 |

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| Description | Part number |
|--|-------------|
| Nozzle assy, compact 90/45 | QTB054 |
| Nozzle assy, compact end 90/90 | QTB055 |
| Nozzle assy, compact end 90/45 | QTB056 |
| Nozzle assy, compact 45/45 | QTB057 |
| Nozzle assy, compact end 45/45 | QTB058 |
| Tee, 3/4 JICm x 1/2 BSPf | QTB059 |
| Nozzle/Bracket Tee Assembly Complete | QTB059/A |
| 9W Nozzle tips (Hi Flow Wide) | QTB066 |
| 9.5 Nozzle tips (Hi Flow) | QTB061 |
| 4.8 Nozzle tips (Medium Flow) | QTB065 |
| Brass Dust caps c/w wire retainer | QTB062 |
| Plastic Dust caps- 100 in pack | QTB063 |
| Silicone Dust Cap | QTB083 |
| Large 6 port manifold | QTB250 |
| Small 4 port manifold | QTB251 |
| Twin tank single valve manifold assembly | QTB 465 |
| Single Tank single manifold assembly | QTB 466 |
| 3/8" Inlet Mainfold | QT 0230 |
| Induction Fill Plug Assembly | QTB 303/I |
| Induction tube Assembly | QTB 464 |
| Plug 1/8 npt | QTB263 |
| Plug 1/4 npt | QTB264 |
| Brass Nipple 1/8 npt x 7/16 jic | QTB253B |
| Brass Nipple 1/4 npt x 7/16 jic | QTB254B |
| Nipple 1/8 NPTm | QTB280 |
| Brass Elbow 1/8 NPT x 7/16 JIC M/M 90 | QTB 290/B |
| Check valve input s/s jic 7.1/16x1/4 npt | QTB252 |
| Check Valve - BSP | QTB252-B |
| 1 Ltr LPRM Assy, c/w bracket | QTB904/A |
| 2 Lt LPRM Assy, c/w bracket | QTB904/B |
| 1.1 Ltr Cylinder | QT-Q01 |
| 2 Ltr Cylinder | QT-Q02 |
| LOP tube fitting kit x 5 mtrs | QTB281 |
| LOP Tube per meter | QTB281/A |
| LOP fittings kit | QTB281/B |
| Pyrotube Rubber Grommet | QTB275 |
| Detection Tube Tee | QTB 284 |
| Detection Tube Joiner | QTB 285 |
| Nipple, 3/4 bsp x 1.1/16 jic | QTB212 |
| Brass Nipple, 3/4 bsp x 1.1/16 jic | QTB234 |
| Bulkhead, 1.1/16 jic | QTB213 |
| Brass Bulkhead, 1.1/16 jic | QTB224 |
| Tee In Tee, 1/1/16 jicm x 3/4 jicm x 3/4jicm | QTB214 |
| Brass Tee In Tee, 1/1/16 jicm x 3/4 jicm x 3/4jicm | QTB214/B |
| Tee, 1.1/16 jic m/m/m | QTB215 |
| Elbow, 1.1/16 jic m/f 90 | QTB216 |
| Brass Elbow, 1.1/16 jic m/f 90 | QTB228 |
| Elbow, 1.1/16 jic m/f 45 | QTB217 |
| Brass Elbow, 1.1/16 jic m/f 45 | QTB231 |
| Tee In Tee, 3/4jicf/3/4jicm/1 1/16jicm | QTB218 |
| Brass Tee In Tee, 3/4jicf/3/4jicm/1 1/16jicm | QTB236 |
| Nipple, 3/4 bsp x 3/4 jic | QTB200 |
| Brass Nipple, 3/4 bsp x 3/4 jic | QTB235 |
| Bulkhead, jic 3/4 | QTB201 |
| Brass Bulkhead, jic 3/4 | QTB225 |
| Nipple, 3/4 jic | QTB202 |
| Brass Nipple, 3/4 jic | QTB202/B |
| Tee, jic m/m/m 3/4 | QTB203 |
| Brass Tee, jic m/m/m 3/4 | QTB203/B |
| Elbow, 3/4 jic m/f 90 | QTB204 |
| Brass Elbow, 3/4 jic m/f 90 | QTB229 |
| Elbow, 3/4 jic m/f 45 | QTB205 |
| Brass Elbow, 3/4 jic m/f 45 | QTB232 |
| Elbow, 3/4 jic m/m 90 | QTB206 |

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| Description | Part number |
|--|-------------|
| Brass Elbow, 3/4 jic m/m 90 | QTB206/B |
| Tee, 3/4 jic mmf | QTB207 |
| Brass Tee, 3/4 jic mmf | QTB207/B |
| Bulkhead tee jic 3/4 | QTB208 |
| Brass Adaptor 1.1/16f x 3/4 jicm reducer | QTB209/B |
| Brass Tee, 3/4 jic mfm | QTB219/B |
| Hose SAE 100R1T x 3/4 (Red) | QTB139 |
| Re-use end fem jic 1.1/16 | QTB110 |
| Brass Re-use end fem jic 1.1/16 | QTB109 |
| Re-use end fem jic 1.1/16 x 90 | QTB111 |
| Re-use end fem jic 1.1/16 x 90C bend | QTB112 |
| Crimp end fem jic 1.1/16 | QTB128 |
| Brass Crimp end fem jic 1.1/16 | QTB128/B |
| Hose SAE 100R1T x 1/2 (red) | QTB132 |
| Re-use end fem jic 3/4 x 1/2 | QTB104 |
| Brass Re-use end fem jic 3/4 x 1/2 | QTB103 |
| Re-use end fem jic 3/4 x 90 | QTB105 |
| Re-use end fem jic 3/4 x 90C bend | QTB106 |
| Re-use end male 3/4 jic x 1/2 | QTB107 |
| Brass Re-use end male 3/4 jic x 1/2 | QTB107/B |
| Crimp end fem jic 3/4 | QTB124 |
| Brass Crimp end fem jic 3/4 | QTB124/B |
| Crimp end male jic 3/4 | QTB127 |
| Brass Crimp end male jic 3/4* | QTB127/B |
| Hose SAE 100R1T x 1/4 (Red) | QTB138 |
| Re-use end Fem 1/4" BSP to 1/4" Hose | QTB149 |
| Re-use end fem jic 7/16 x 1/4 | QTB100 |
| Crimp end fem jic 7/16 x 1/4* | QTB120 |
| Elbow M/F BSP 1/4" 90 | QTB760 |
| Hose LOP 3/16 (RED) | QTB134 |
| Hose SAE 100R1T x 3/16 (Red) | QTB140 |
| 3/8" Hose, Push on Red (OR BLACK) | QTB154 |
| Re-use end fem 7/16 jic x 3/16 (Brass) | QTB115 |
| Elbow, 7/16 JICm/m | QTB255 |
| Elbow m/f jic 7/16 90 | QTB256 |
| Brass Elbow m/f jic 7/16 90 | QTB230 |
| Elbow m/f jic 7/16 45 | QTB257 |
| Brass Elbow m/f jic 7/16 45 | QTB233 |
| Union jic 7/16 | QTB258 |
| Bulkhead jic 7/16 | QTB259 |
| Brass Bulkhead jic 7/16 | QTB226 |
| Tee run m/m/m 7/16 jic | QTB261 |
| Brass Tee run m/m/m 7/16 jic | QTB261/B |
| Tee run m/m/f 7/16 jic | QTB262 |
| Brass Tee run m/m/f 7/16 jic | QTB262/B |
| Tee, m/f/m 7/16 jic | QTB289 |
| Brass Tee, m/f/m 7/16 jic | QTB289/B |
| 3/8 S/Steel tube in 2mtr lengths | QTB153 |
| Tube Nut/Sleeve for 3/8 S/S Tube | QTB150 |
| 1/2 s/steel tube in 2mtr lengths | QTB141 |
| Tube Nut/Sleeve for 1/2 S/S Tube | QTB211 |
| Stainless Steel Tube Nut/Sleeve for 1/2 S/S Tube | QTB211/SS |
| Clamp weld on 1/4 tube black hi temp | QTB001 |
| Clamp weld on 1/4 hose black hi temp | QTB002 |
| Clamp weld on 1/2 tube black hi temp | QTB003 |
| Clamp weld on 1/2 hose black hi temp | QTB004 |
| Clamp weld on 3/4 hose black hi temp | QTB005 |
| Clamp bolt on 1/4 tube black hi temp | QTB006 |
| Clamp bolt on 1/4 hose black hi temp | QTB007 |
| Clamp bolt on 1/2 tube black hi temp | QTB008 |
| Clamp bolt on 1/2 hose black hi temp | QTB009 |
| Clamp bolt on 3/4 hose black hi temp | QTB010 |
| P Clamp 3/16 Hose | QTB021 |
| P Clamp .62 3/16 LOP Hose Spiral Gaurded | QTB028 |

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| P Clamp 1/4 Hose | QTB029 |
| P Clamp 1/2 Hose/ RubberGommet | QTB022 |
| P Clamp 3/4 Hose | QTB023 |
| P-Clamp 0.38 suit cable | QTB 031 |
| Clamp, weld on 3/8 Tube | QTB038 |
| Clamp, weld on 18mm, manifold | QTB039 |
| Cable/m 2 core | QTB511/2 |
| Cable/m 4 core | QTB511/4 |
| Cable/m 4 core Hi Temp Silicon | QTB536 |
| Stainless Steel Pressure Switch,n/o-n/c,duetz 1100 kPa | QTB517-SS |
| Stainless Steel Pressure Switch, n/o-n/c,duetz 200 kPa | QTB518-SS |
| Stainless Steel Pressure Switch 800KPA | QTB520-SS |
| Stainless Steel Pressure Switch 100KPA, C/W 4.7Kohm Resistor | QTB558-SS |
| Pressure Switch 1000kPa C/W 10Kohm Resister, N/C, 2 Wire Terminal | QTB563 |
| Mk4 Alarm Panel Electronic Code Reset AS5062 (Fire wire activation) | QTB550 |
| MK3 Alarm Panel Key Reset AS5062 | QTB519 |
| Mk5 Alarm Panel Code Reset AS5062 | QTB554 |
| GEM- Solenoid 12-24 volts | QTB529 |
| End of Line Resistor 4.7 ohms and Housing | QTB560 |
| Linear Wire 100 ft 30.5m/Roll | QTB549 |
| Electrical Remote Complete Bulk Head | QTB605 |
| Electrical Remote Complete With Cover | QTB606 |
| Weld on tapped block M8 | QTB408 |
| Electric actuator Type C3 | QTB572 |
| Squib red and white 1 m cable, Plastic adapter, Rubber washer | QTB573 |
| Linear Wire 180°C | QTB549 |
| Pneumatic/Electrical Actuator | QTB633 |
| Mechanical/Pneumatic/Electrical Actuator | QTB634 |
| Spiral Guard 12mm (3/16&1/4) | QTB410-12 |
| Spiral Guard 16mm (3/16&1/4) | QTB410-16 |
| Spiral Guard 20mm (1/2) | QTB410-20 |
| Spiral Guard 25mm (3/4) | QTB410-25 |
| Schrader Valve c/w Brass Cap 1/8 | QTB411 |
| Schrader Valve, 90 deg. c/w Brass cap | QTB411-90 |
| Schrader Valve c/w Brass Cap 1/4 | QTB411-B |
| Liquid Filled Gauge 900-1600 kPa | QTB412 |
| Liquid Filled Guage 800-1200KP | QTB 412/LP |
| Liquid Filled Guage 900-1600KP - Bottom Entry | QTB412/BE |
| VDASF3 Flourine Free Foam 20Lt Pail | S-FR-VDASF3-20 |
| FireAde 2000 19Lt Pail | FA-AFFF 19 |
| 9/12Cylinder | QTC0912 |
| 19/25 Cylinder | QTC0325 |
| 35 Cylinder | QTC0235 |
| 45 New Tall Cylinder | QTC0245 |
| 34/45 Cylinder | QTC0145 |
| 50/65 Cylinder | QTC0165 |
| 66/88 Cylinder | QTC0188 |
| 80/106 Cylinder | QTC01106 |
| Induction Cylinder 2.5Ltr | QTC01/2.5 |
| Induction Cylinder 4.5Ltr | QTC01/4.5 |
| Induction Cylinder 6Ltr | QTC01/6 |
| 2.5lt Siphon Tube 5/8 | QTB460-2.5 |
| 4.5lt Siphon Tube 5/8 | QTB460-4.5 |
| 6lt Siphon Tube 5/8 | QTB460-6 |
| 9Lt Siphon tube 5/8 | QTB460-9 |
| 25Lt Siphon tube 5/8 | QTB460-25 |
| 30Lt Siphon tube 5/8 | QTB460-30 |
| 35Lt Siphon tube 5/8 | QTB460-35 |
| 45Lt Siphon tube 5/8 | QTB460-45 |
| 65Lt Siphon tube 5/8 | QTB460-65 |
| 88Lt Siphon tube 5/8 | QTB460-88 |
| 106Lt Siphon tube 5/8 | QTB460-106 |
| 25Lt Siphon tube 3/4 | QTB461-25 |
| 30Lt Siphon tube 3/4 | QTB461-30 |

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|--|----------------|
| 35Lt Siphon tube 3/4 | QTB461-35 |
| 45Lt Siphon Tube 3/4 Long | QTB461-45/Long |
| 45Lt Siphon tube 3/4 | QTB461-45 |
| 65Lt Siphon tube 3/4 | QTB461-65 |
| 88Lt Siphon tube 3/4 | QTB461-88 |
| 106Lt Siphon tube 3/4 | QTB461-106 |
| Fill plug | QTB303 |
| Relief Valve | QTB301 |
| Cylinder Adaptor | QTB600/W |
| Cylinder Adaptor | QTB600/A |
| Cylinder Label, Generic STD | QTB711 |
| VDAS - Cylinder Label 106Lt | QTB705 |
| VDAS - Cylinder Label 88Lt | QTB706 |
| VDAS - Cylinder Label 65Lt | QTB707 |
| VDAS - Cylinder Label 45Lt | QTB708 |
| VDAS - Cylinder Label 35Lt | QTB709 |
| VDAS - Cylinder Label 25Lt | QTB710 |
| Cylinder Label, Generic STD | QTB711F |
| VDASF3 - Cylinder Label 106Lt | QTB705/F3 |
| VDASF3 - Cylinder Label 88Lt | QTB706/F3 |
| VDASF3 - Cylinder Label 65Lt | QTB707/F3 |
| VDASF3 - Cylinder Label 45Lt | QTB708/F3 |
| VDASF3 - Cylinder Label 35Lt | QTB709/F3 |
| VDASF3 - Cylinder Label 25Lt | QTB710/F3 |
| Cylinder Band, Blue | QTB701 |
| 9lt 1350 LOP Valve | QTB950-1350 |
| 9lt LOP Valve | QTB950 |
| LOP Valve | QTB917 |
| LOP Valve Service Kit | QTB912 |
| ROP-M Valve | QTB940 |
| ROP Valve | QTB2012 |
| ROP Valve Service Kit | QTB913 |
| QTEC VDAS Pre Engineered Automatics Fire Suppression System, Loss of Pressure, Design, Installation and Commissioning Manual | QTB 951 |
| QTEC VDAS LOP Service and Maintenance Manual | QTB 952 |
| QTEC VDAS LOP Operators Manual | QTB 953 |
| QTEC VDAS Pre Engineered Automatic Fire Suppression System, Rise of Pressure, Design, Installation and Commissioning Manual | QTB 954 |
| QTEC VDAS ROP Service and Maintenance Manual | QTB 955 |
| QTEC VDAS ROP Operators Manual | QTB 956 |
| QTEC VDAS 9Lt Pre Engineered Automatic Fire Suppression System, Loss of Pressure, Design, Installation and Commissioning Manual | QTB 957 |
| QTEC VDAS Twin 9Lt Pre Engineered Automatic Fire Suppression System, Loss of Pressure, Design, Installation and Commissioning Manual | QTB 966 |

Schedule to Certificate of Conformity

| | | | | |
|-------------------|-------------------|--------------|--------------------------|-------------|
| Certificate num. | Registration date | Version | Valid until | |
| afp - 2762 | 10-May-2012 | Number 13 | Issue date 1-May-2021 | 30-Apr-2022 |
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Supplementary information

Schedule of relevant articles

The following schedule is an extract of articles significant and/or related as evidence of conformity.

| Reference | | Source | Title | Issue |
|-----------------------|--------------------------|--|--|-------------|
| Ident. type | Ident. | | | |
| Report | XF3145/R1 | CSIRO Fire Systems Laboratory, AU | Evaluation for Conformity of the QTEC VDAS, Loss of Pressure (LOP) and Rise of Pressure (ROP), pre-engineered foam water spray vehicular fire suppression system to the requirements of AS 5062:2016 | 22-Dec-2017 |
| Manual | QTB951/M | QTEC Fire Services Pty Ltd, AU | Vehicle Detection Actuation Suppression Loss of Pressure Design, Installation and Commissioning Manual Edition 11 | 5-Dec-2017 |
| | QTB954/J | | Vehicle Detection Actuation Suppression Rise of Pressure Design, Installation and Commissioning Manual Edition 11 | 6-Dec-2017 |
| Report No. | MF0001/R1 | CSIRO, Materials Science and Engineering, Fire Systems, AU | Evaluation for conformity - QTEC, VDAS, Pre Engineered Automatic Fire Suppression System | 29-Feb-2012 |
| Report No. | 20E-09-0034-TRP-464723-0 | Vipac Engineers & Scientist Ltd, NSW, AU | Fire System Environmental tests C106 ROP Cylinder and LOP System | 16-Aug-2011 |
| AS 5062-2006 Test No. | 2 | QTEC Fire Services Pty Ltd, AU and CSIRO, Materials Science and Engineering, Fire Systems, AU | Hydrostatic Test Report | 7-May-2010 |
| | 2 | | Flow Distribution Test Report | 14-Dec-2011 |
| | 2 | | Fuel Spill Extinguishment and Re-ignition Test (Direct & Indirect) | 15-Dec-2011 |
| | 9 | | Operation Test Report | 20-Sep-2010 |
| | 7 | | Testing for Conformity to AS5062-2006 500 Cyclic Operation Test Report | 7-Jun-2010 |
| | 19 | | Burst Strength Test Report | 7-Jun-2010 |