



Fuelstar Surveillance Scheme

Manufacturing Licence

Issued to: OPW Sweden AB, Fabriksgatan 3, Box 70, S-73622 Kungsör, Sweden

Products: The KPS Petrol Pipe System™

The list of part numbers covered by this Certificate is shown on pages 2 to 4.

This is to certify that samples of the products defined above have been checked by RINA and found to comply with the requirements of the following:

EN 14125:2013 Thermoplastic and flexible metal pipework for underground installation at petrol filling stations.

The Fuelstar Surveillance Scheme is operated in accordance with Annex A of Institute of Petroleum Performance Specification for Underground Pipework Systems at Petrol Filling Stations, Second Edition, February 2001, ISBN 0 85293 323 1.

Test details are given in relevant RINA Test Certificates

Duration of validity of this Certificate: Valid until 31st August 2023

NOTE 1: This certificate should only be reviewed or reproduced in full.

NOTE 2: Validity of this certificate is based on passing ongoing Fuelstar testing.

NOTE 3: This certificate remains the property of RINA. RINA reserves the right to withdraw or revise it following written notification to the issuee. Any revision is indicated by a change in certificate number.

Conditions on the validity of this Certificate: The parts that feature exposed metal should be protected against corrosion if directly buried.

Certificate prepared by:

A handwritten signature in black ink, appearing to read 'Maciek Hulme'.

Maciek Hulme
Materials Consultant

Certificate approved by:

A handwritten signature in black ink, appearing to read 'Ben Hickman'.

Ben Hickman
Laboratory Manager

Licence number: 2016-0275-ML25

Dated: 18/08/2022

This certificate should only be reviewed in full
RINA Tech UK Ltd, 1 Springfield Drive, Leatherhead, Surrey KT22 7AJ, UK

| Product No: | Size | Component | Application |
|------------------|------------|---------------------------------|--------------------|
| KP 10-110 | 110 mm | End cap | PP/VA/FI/VE/VR |
| KP 10-32 | 32 mm | End cap | PP/VA/FI/VE/VR |
| KP 10-63 | 63 mm | End cap | PP/VA/FI/VE/VR |
| KP 10-90 | 90 mm | End cap | PP/VA/FI/VE/VR |
| KP 110E | 110 mm | Version 5 pipe | PP/VA/FI/VE/VR |
| KP 110EC | 110 mm | Conductive pipe | PP/VA/FI/VE/VR |
| KP 125SC | 125 mm | Secondary pipe, see KP125/110SC | CS2 |
| KP 125/110SC | 125/110 mm | Secondary system | PP/VA/FI/VE/VR/CS2 |
| KP 125/110SCEC | 125/110 mm | Secondary system | PP/VA/FI/VE/VR/CS2 |
| KP 2-110 | 110 mm | Welding socket | PP/VA/FI/VE/VR |
| KP 2-125SC | 125 mm | Secondary welding socket | CS2 |
| KP 2-125/110SC | 125/110 mm | Integrated welding socket | PP/VA/FI/VE/VR/CS2 |
| KP 2-125/110SCA | 125/110 mm | Integrated welding socket | PP/VA/FI/VE/VR/CS2 |
| KP 2-160SC | 160 mm | Secondary welding socket | CS2 |
| KP 23-110 | 110 mm | Integrated 90° bend | PP/VA/FI/VE/VR |
| KP 2-32 | 32 mm | Welding socket | PP/VA/FI/VE/VR |
| KP 23-63 | 63 mm | Integrated 90° bend | PP/VA/FI/VE/VR |
| KP 23-90 | 90 mm | Integrated 90° bend | PP/VA/FI/VE/VR |
| KP 24-110 | 110 mm | Integrated 45° bend | PP/VA/FI/VE/VR |
| KP 24-63 | 63 mm | Integrated 45° bend | PP/VA/FI/VE/VR |
| KP 24-90 | 90 mm | Integrated 45° bend | PP/VA/FI/VE/VR |
| KP 2-54 | 54 mm | Welding socket | PP/VA/FI/VE/VR |
| KP 2-63 | 63 mm | Welding socket | PP/VA/FI/VE/VR |
| KP 2-75SC | 75 mm | Secondary pipe, see KP73/63SC | CS2 |
| KP 2-75/63SC | 75/63 mm | Integrated welding socket | PP/VA/FI/VE/VR/CS2 |
| KP 2-75/63SCA | 75/63 mm | Integrated welding socket | PP/VA/FI/VE/VR/CS2 |
| KP 28-110 | 110 mm | Weldable tee | PP/VA/FI/VE/VR |
| KP 28-63 | 63 mm | Weldable tee | PP/VA/FI/VE/VR |
| KP 28-90 | 90 mm | Weldable tee | PP/VA/FI/VE/VR |
| KP 2-90 | 90 mm | Welding socket | PP/VA/FI/VE/VR |
| KP 29-90/63 | 90/63 mm | Weldable reduction | PP/VA/FI/VE/VR |
| KP 3-110 | 110 mm | 90° bend | PP/VA/FI/VE/VR |
| KP 3-110F | 110 mm | 90° formed bend | PP/VA/FI/VE/VR |
| KP 3-110FC | 110 mm | 90° formed bend Conductive | PP/VA/FI/VE/VR |
| KP 3-110FCL | 110 mm | 90° formed bend Conductive | PP/VA/FI/VE/VR |
| KP 3-110FL | 110 mm | 90° formed bend | PP/VA/FI/VE/VR |
| KP 3-125/110SC | 125/110 mm | 90° formed bend | PP/VA/FI/VE/VR/CS2 |
| KP 3-125/110SCEC | 125/110 mm | 90° formed bend Conductive | PP/VA/FI/VE/VR/CS2 |
| KP 3-54F | 54 mm | 90° formed bend | PP/VA/FI/VE/VR |
| KP 3-54FC | 54 mm | 90° formed bend Conductive | PP/VA/FI/VE/VR |
| KP 3-54FCL | 54 mm | 90° formed bend Conductive | PP/VA/FI/VE/VR |
| KP 3-54FL | 54 mm | 90° formed bend | PP/VA/FI/VE/VR |
| KP 3-54FLL | 54 mm | 90° formed bend | PP/VA/FI/VE/VR |
| KP 3-63 | 63 mm | 90° bend | PP/VA/FI/VE/VR |
| KP 3-63F | 63 mm | 90° formed bend | PP/VA/FI/VE/VR |
| KP 3-63FC | 63 mm | 90° formed bend Conductive | PP/VA/FI/VE/VR |
| KP 3-63FCL | 63 mm | 90° formed bend Conductive | PP/VA/FI/VE/VR |
| KP 3-63FL | 63 mm | 90° formed bend | PP/VA/FI/VE/VR |
| KP 3-63FLL | 63 mm | 90° formed bend | PP/VA/FI/VE/VR |
| KP 3-75/63SC | 75/63 mm | 90° formed bend | PP/VA/FI/VE/VR/CS2 |
| KP 3-75/63SCEC | 75/63 mm | 90° formed bend Conductive | PP/VA/FI/VE/VR/CS2 |
| KP 3-90 | 90 mm | 90° bend | PP/VA/FI/VE/VR |
| KP 3-90F | 90 mm | 90° formed bend | PP/VA/FI/VE/VR |
| KP 3-90FC | 90 mm | 90° formed bend Conductive | PP/VA/FI/VE/VR |
| KP 3-90FCL | 90 mm | 90° formed bend Conductive | PP/VA/FI/VE/VR |
| KP 3-90FL | 90 mm | 90° formed bend | PP/VA/FI/VE/VR |
| KP 4-110 | 110 mm | 45° bend | PP/VA/FI/VE/VR |
| KP 4-110FC | 110 mm | 45° formed bend Conductive | PP/VA/FI/VE/VR |
| KP 4-125/110SC | 125/110 mm | 45° formed bend | PP/VA/FI/VE/VR/CS2 |
| KP 4-125/110SCEC | 125/110 mm | 45° formed bend Conductive | PP/VA/FI/VE/VR/CS2 |
| KP 4-54F | 54 mm | 45° formed bend | PP/VA/FI/VE/VR |
| KP 4-54FC | 54 mm | 45° formed bend Conductive | PP/VA/FI/VE/VR |
| KP 4-63 | 63 mm | 45° bend | PP/VA/FI/VE/VR |
| KP 4-63F | 63 mm | 45° formed bend | PP/VA/FI/VE/VR |

| Product No: | Size | Component | Application |
|------------------|------------|-------------------------------|--------------------|
| KP 4-63FC | 63 mm | 45° formed bend Conductive | PP/VA/FI/VE/VR |
| KP 4-75/63SC | 75/63 mm | 45° formed bend | PP/VA/FI/VE/VR/CS2 |
| KP 4-75/63SCEC | 75/63 mm | 45° formed bend Conductive | PP/VA/FI/VE/VR/CS2 |
| KP 4-90 | 90 mm | 45° bend | PP/VA/FI/VE/VR |
| KP 4-90F | 90 mm | 45° formed bend | PP/VA/FI/VE/VR |
| KP 4-90FC | 90 mm | 45° formed bend Conductive | PP/VA/FI/VE/VR |
| KP 5-110 | 110 mm | Stub flange | PP/VA/FI/VE/VR |
| KP 54E | 54 mm | Version 5 pipe | PP/VA/FI/VE/VR |
| KP 54EC | 54 mm | Conductive pipe | PP/VA/FI/VE/VR |
| KP 5-54 | 55 mm | Stub flange | PP/VA/FI/VE/VR |
| KP 5-63 | 63 mm | Stub flange | PP/VA/FI/VE/VR |
| KP 5-90 | 90 mm | Stub flange | PP/VA/FI/VE/VR |
| KP 6-110 | 110 mm | Separate flange | PP/VA/FI/VE/VR |
| KP 63E | 63 mm | Version 5 pipe | PP/VA/FI/VE/VR |
| KP 63EC | 63 mm | Conductive pipe | PP/VA/FI/VE/VR |
| KP 6-54 | 54 mm | Separate flange | PP/VA/FI/VE/VR |
| KP 6-63 | 63 mm | Separate flange | PP/VA/FI/VE/VR |
| KP 6-90 | 110 mm | Separate flange | PP/VA/FI/VE/VR |
| KP 7-110/90 | 110/90 mm | Gasket | PP/VA/FI/VE/VR |
| KP 75SC | 75 mm | Secondary pipe, see KP75/63SC | CS2 |
| KP 75/63SC | 75/63 mm | Secondary system | PP/VA/FI/VE/VR/CS2 |
| KP 75/63SCEC | 75/63 mm | Secondary system | PP/VA/FI/VE/VR/CS2 |
| KP 7-63/54 | 63/54 mm | Gasket | PP/VA/FI/VE/VR |
| KP 8-110F | 110 mm | Tee | PP/VA/FI/VE/VR |
| KP 8-110FL | 110 mm | Tee formed Long | PP/VA/FI/VE/VR |
| KP 8-54F | 54 mm | Tee formed | PP/VA/FI/VE/VR |
| KP 8-54FC | 54 mm | Tee formed Conductive | PP/VA/FI/VE/VR |
| KP 8-54FCL | 54 mm | Tee formed Long | PP/VA/FI/VE/VR |
| KP 8-54FL | 54 mm | Tee formed Long | PP/VA/FI/VE/VR |
| KP 8-63/32 | 63/32 mm | Reduced Tee | PP/VA/FI/VE/VR |
| KP 8-63F | 63 mm | Tee | PP/VA/FI/VE/VR |
| KP 8-63FC | 63 mm | Tee formed Conductive | PP/VA/FI/VE/VR |
| KP 8-63FCL | 63 mm | Tee formed Conductive Long | PP/VA/FI/VE/VR |
| KP 8-63FL | 63 mm | Tee formed Long | PP/VA/FI/VE/VR |
| KP 8-63FR | 63 mm | Tee | PP/VA/FI/VE/VR |
| KP 8-75/63SC | 75/63 mm | Integrated tee | PP/VA/FI/VE/VR/CS2 |
| KP 8-75/63SC-F | 75/63 mm | Integrated tee | PP/VA/FI/VE/VR/CS2 |
| KP 8-75/63SCEC-L | 75/63 mm | Integrated tee | PP/VA/FI/VE/VR/CS2 |
| KP 8-90/63 | 90/63 mm | Reduced tee | PP/VA/FI/VE/VR |
| KP 8-90FC | 90 mm | Tee formed Conductive | PP/VA/FI/VE/VR |
| KP 8-90FCL | 90 mm | Tee formed Conductive Long | PP/VA/FI/VE/VR |
| KP 90E | 90 mm | Version 5 pipe | PP/VA/FI/VE/VR |
| KP 90EC | 90 mm | Conductive pipe | PP/VA/FI/VE/VR |
| KP 9-110/63 | 110/63 mm | Reducer | PP/VA/FI/VE/VR |
| KP 9-110/90 | 110/90 mm | Reducer | PP/VA/FI/VE/VR |
| KP 9-125/75SC | 125/75 mm | Reducer | CS2 |
| KP 9-160/125SC | 160/125 mm | Reducer | CS2 |
| KP 9-63/54 | 63/54 mm | Reducer | PP/VA/FI/VE/VR |
| KP 9-90/63 | 90/63 mm | Reducer | PP/VA/FI/VE/VR |
| KP C11-110 | 110 mm | Transition end coupling | PP/VA/FI/VE/VR |
| KP C11-54 | 54 mm | Transition end coupling | PP/VA/FI/VE/VR |
| KP C11-63 | 63 mm | Transition end coupling | PP/VA/FI/VE/VR |
| KP C11-90 | 90 mm | Transition end coupling | PP/VA/FI/VE/VR |
| KP CC-110 | 110 mm | Conductor | PP/VA/FI/VE/VR |
| KP CC-54 | 54 mm | Conductor | PP/VA/FI/VE/VR |
| KP CC-63 | 63 mm | Conductor | PP/VA/FI/VE/VR |
| KP CC-90 | 90 mm | Conductor | PP/VA/FI/VE/VR |
| KP T125/110SC | 125/110 mm | Termination fitting | PP/VA/VE/VR/FI/CS2 |
| KP T125/110SC-L | 125/110 mm | Termination fitting | PP/VA/FI/VE/VR/CS2 |
| KP T125/110SC2A | 125/110 mm | Termination fitting | PP/VA/VE/VR/FI/CS2 |
| KP T25-10 | 25 mm | Flexible steel hose | PP/VA/FI/VE/VR |
| KP T25-13 | 25 mm | Flexible steel hose | PP/VA/FI/VE/VR |
| KP T25-15 | 25 mm | Flexible steel hose | PP/VA/FI/VE/VR |
| KP T25-4 | 25 mm | Flexible steel hose | PP/VA/FI/VE/VR |

| Product No: | Size | Component | Application |
|--------------------|-------------|------------------------------------|--------------------|
| KP T40-10 | 54 mm | Flexible steel hose | PP/VA/FI/VE/VR |
| KP T40-13 | 54 mm | Flexible steel hose | PP/VA/FI/VE/VR |
| KP T50-12 | 63 mm | Flexible steel hose | PP/VA/FI/VE/VR |
| KP T50-15 | 63 mm | Flexible steel hose | PP/VA/FI/VE/VR |
| KP T50-20 | 63 mm | Flexible steel hose | PP/VA/FI/VE/VR |
| KP T75/63SC | 75/63 mm | Termination fitting | PP/VA/FI/VE/VR/CS2 |
| KP W110 | 110 mm | Mechanical connection | PP/VA/FI/VE/VR |
| KP W54 | 54 mm | Mechanical connection | PP/VA/FI/VE/VR |
| KP W6-110 | 110 mm | Threaded flange | PP/VA/FI/VE/VR |
| KP W63 | 63 mm | Mechanical connection | PP/VA/FI/VE/VR |
| KP W6-54 | 54 mm | Threaded flange | PP/VA/FI/VE/VR |
| KP W6-63 | 63 mm | Threaded flange | PP/VA/FI/VE/VR |
| KP W6-90 | 90 mm | Threaded flange | PP/VA/FI/VE/VR |
| KP W90 | 90 mm | Mechanical connection | PP/VA/FI/VE/VR |
| KP 2-75/63SCA | 75/63 mm | Integrated welding socket | PP/VA/VE/VR/FI/CS2 |
| KP 2-125/110SCA | 110/125 mm | Integrated welding socket | PP/VA/VE/VR/FI/CS2 |
| KP 2-125/110SC2A | 110/125 mm | Integrated welding socket | CS2 |
| KP T75-63B | 75/63 mm | Termination fitting | PP/VA/VE/VR/FI/CS2 |
| KP T75-63B-L | 75/63 mm | Termination fitting | PP/VA/VE/VR/FI/CS2 |
| KP T75-63SC2A | 75/63 mm | Termination fitting | PP/VA/VE/VR/FI/CS2 |
| KP T75-63SC2A-L | 75/63 mm | Termination fitting | PP/VA/VE/VR/FI/CS2 |
| KP T75-63SC2B | 75/63 mm | Termination fitting | PP/VA/VE/VR/FI/CS2 |
| KP T75-63SC2B-L | 75/63 mm | Termination fitting | PP/VA/VE/VR/FI/CS2 |
| KP TM75-63SC2A | 75/63 mm | Entry seal and termination fitting | PP/VA/VE/VR/FI/CS2 |
| KP TM75-63SC2A-L | 75/63 mm | Entry seal and termination fitting | PP/VA/VE/VR/FI/CS2 |
| KP TM75-63SC2B | 75/63 mm | Entry seal and termination fitting | PP/VA/VE/VR/FI/CS2 |
| KP TM75-63SC2B-L | 75/63 mm | Entry seal and termination fitting | PP/VA/VE/VR/FI/CS2 |
| KP TM125/110SC2A | 125/110 mm | Entry seal and termination fitting | PP/VA/VE/VR/FI/CS2 |
| KP 160 | 160mm | Primary pipe | PP/VA/FI/VE/VR |
| KP 200 | 200mm | Secondary pipe | CS2 |