



## ERA 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 ERA Technology Ltd and found to comply with the requirements of the following:**

**Institute of Petroleum Performance Specification for Underground Pipework Systems at Petrol Filling Stations, Second Edition, February 2001, ISBN 0 85293 323 1.**

**The ERA Fuelstar Surveillance Scheme is operated in accordance with Annex A of this Specification.**

**Further details are given in ERA Report: 2006-0539**

**Duration of validity of this Certificate:** Valid until 31 March 2017

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 ERA Technology Ltd. ERA reserves the right to withdraw or revise it following written notification to the issuee. Any revision is indicated by a change in certificate number.

**Certificate prepared by :**

Handwritten signature of David Routledge in black ink.

David Routledge

Materials Engineer

**Certificate approved by :**

Handwritten signature of Ben Hickman in black ink.

Ben Hickman

Laboratory Manager

**Licence number:** ERA2016-0275/ML18

**Dated:** 14<sup>th</sup> June 2016

**This certificate should only be reviewed in full**

**ERA Technology Ltd, Cleeve Road, Leatherhead, Surrey KT22 7SA, UK**

Product No:	Size	Component	Application
KP 10-110	110mm	End cap	PP/VA/FI/VE/VR
KP 10-32	32mm	End cap	PP/VA/FI/VE/VR
KP 10-63	63mm	End cap	PP/VA/FI/VE/VR
KP 10-90	90mm	End cap	PP/VA/FI/VE/VR
KP 110E	110 mm	Version 5 pipe	PP/VA/FI/VE/VR
KP 110EC	110mm	Conductive pipe	PP/VA/FI/VE/VR
KP 125SC	125 mm	Secondary pipe, see KP125/110SC	SC2
KP 125/110SC	125/110mm	Secondary system	PP/VA/FI/VE/VR/SC2
KP 125/110SCEC	125/110mm	Secondary system	PP/VA/FI/VE/VR/SC2
KP 2-110	110mm	Welding socket	PP/VA/FI/VE/VR
KP 2-125SC	125 mm	Secondary welding socket	SC2
KP 2-125/110SC	125/110 mm	Integrated welding socket	PP/VA/FI/VE/VR/SC2
KP 2-160SC	160 mm	Secondary welding socket	SC2
KP 23-110	110mm	Integrated 90° bend	PP/VA/FI/VE/VR
KP 2-32	32mm	Welding socket	PP/VA/FI/VE/VR
KP 23-63	63mm	Integrated 90° bend	PP/VA/FI/VE/VR
KP 23-90	90mm	Integrated 90° bend	PP/VA/FI/VE/VR
KP 24-110	110mm	Integrated 45° bend	PP/VA/FI/VE/VR
KP 24-63	63mm	Integrated 45° bend	PP/VA/FI/VE/VR
KP 24-90	90mm	Integrated 45° bend	PP/VA/FI/VE/VR
KP 2-54	54mm	Welding socket	PP/VA/FI/VE/VR
KP 2-63	63mm	Welding socket	PP/VA/FI/VE/VR
KP 2-75SC	75 mm	Secondary pipe, see KP73/63SC	SC2
KP 2-75/63SC	75/63mm	Integrated welding socket	PP/VA/FI/VE/VR/SC2
KP 28-110	110mm	Weldable tee	PP/VA/FI/VE/VR
KP 28-63	63mm	Weldable tee	PP/VA/FI/VE/VR
KP 28-90	90mm	Weldable tee	PP/VA/FI/VE/VR
KP 2-90	90mm	Welding socket	PP/VA/FI/VE/VR
KP 29-90/63	90/63mm	Weldable reduction	PP/VA/FI/VE/VR
KP 3-110	110mm	90° bend	PP/VA/FI/VE/VR
KP 3-110F	110mm	90° formed bend	PP/VA/FI/VE/VR
KP 3-110FC	110mm	90° formed bend Conductive	PP/VA/FI/VE/VR
KP 3-110FCL	110mm	90° formed bend Conductive	PP/VA/FI/VE/VR
KP 3-110FL	110mm	90° formed bend	PP/VA/FI/VE/VR
KP 3-125/110SC	125/110mm	90° formed bend	PP/VA/FI/VE/VR/SC2
KP 3-125/110SCEC	125/110mm	90° formed bend Conductive	PP/VA/FI/VE/VR/SC2
KP 3-54F	54mm	90° formed bend	PP/VA/FI/VE/VR
KP 3-54FC	54mm	90° formed bend Conductive	PP/VA/FI/VE/VR
KP 3-54FCL	54mm	90° formed bend Conductive	PP/VA/FI/VE/VR
KP 3-54FL	54mm	90° formed bend	PP/VA/FI/VE/VR
KP 3-54FLL	54mm	90° formed bend	PP/VA/FI/VE/VR
KP 3-63	63mm	90° bend	PP/VA/FI/VE/VR
KP 3-63F	63mm	90° formed bend	PP/VA/FI/VE/VR
KP 3-63FC	63mm	90° formed bend Conductive	PP/VA/FI/VE/VR
KP 3-63FCL	63mm	90° formed bend Conductive	PP/VA/FI/VE/VR
KP 3-63FL	63mm	90° formed bend	PP/VA/FI/VE/VR
KP 3-63FLL	63mm	90° formed bend	PP/VA/FI/VE/VR
KP 3-75/63SC	75/63mm	90° formed bend	PP/VA/FI/VE/VR/SC2
KP 3-75/63SCEC	75/63mm	90° formed bend Conductive	PP/VA/FI/VE/VR/SC2
KP 3-90	90mm	90° bend	PP/VA/FI/VE/VR
KP 3-90F	90mm	90° formed bend	PP/VA/FI/VE/VR
KP 3-90FC	90mm	90° formed bend Conductive	PP/VA/FI/VE/VR
KP 3-90FCL	90mm	90° formed bend Conductive	PP/VA/FI/VE/VR
KP 3-90FL	90mm	90° formed bend	PP/VA/FI/VE/VR

<b>Product No:</b>	<b>Size</b>	<b>Component</b>	<b>Application</b>
KP 4-110	110mm	45° bend	PP/VA/FI/VE/VR
KP 4-110FC	110mm	45° formed bend Conductive	PP/VA/FI/VE/VR
KP 4-125/110SC	125/110mm	45° formed bend	PP/VA/FI/VE/VR/SC2
KP 4-125/110SCEC	125/110mm	45° formed bend Conductive	PP/VA/FI/VE/VR/SC2
KP 4-54F	54mm	45° formed bend	PP/VA/FI/VE/VR
KP 4-54FC	54mm	45° formed bend Conductive	PP/VA/FI/VE/VR
KP 4-63	63mm	45° bend	PP/VA/FI/VE/VR
KP 4-63F	63mm	45° formed bend	PP/VA/FI/VE/VR
KP 4-63FC	63mm	45° formed bend Conductive	PP/VA/FI/VE/VR
KP 4-75/63SC	75/63mm	45° formed bend	PP/VA/FI/VE/VR/SC2
KP 4-75/63SCEC	75/63mm	45° formed bend Conductive	PP/VA/FI/VE/VR/SC2
KP 4-90	90mm	45° bend	PP/VA/FI/VE/VR
KP 4-90F	90mm	45° formed bend	PP/VA/FI/VE/VR
KP 4-90FC	90mm	45° formed bend Conductive	PP/VA/FI/VE/VR
KP 5-110	110mm	Stub flange	PP/VA/FI/VE/VR
KP 54E	54 mm	Version 5 pipe	PP/VA/FI/VE/VR
KP 54EC	54mm	Conductive pipe	PP/VA/FI/VE/VR
KP 5-54	55 mm	Stub flange	PP/VA/FI/VE/VR
KP 5-63	63mm	Stub flange	PP/VA/FI/VE/VR
KP 5-90	90mm	Stub flange	PP/VA/FI/VE/VR
KP 6-110	110mm	Separate flange	PP/VA/FI/VE/VR
KP 63E	63 mm	Version 5 pipe	PP/VA/FI/VE/VR
KP 63EC	63mm	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	110/90mm	Gasket	PP/VA/FI/VE/VR
KP 75C	75 mm	Secondary pipe, see KP75/63SC	SC2
KP 75/63SC	75/63mm	Secondary system	PP/VA/FI/VE/VR/SC2
KP 75/63SCEC	75/63mm	Secondary system	PP/VA/FI/VE/VR/SC2
KP 7-63/54	63/54mm	Gasket	PP/VA/FI/VE/VR
KP 8-110F	110mm	Tee	PP/VA/FI/VE/VR
KP 8-110FL	110mm	Tee Formed Long	PP/VA/FI/VE/VR
KP 8-54F	54mm	Tee formed	PP/VA/FI/VE/VR
KP 8-54FC	54mm	Tee formed Conductive	PP/VA/FI/VE/VR
KP 8-54FCL	54mm	Tee Formed Long	PP/VA/FI/VE/VR
KP 8-54FL	54mm	Tee Formed Long	PP/VA/FI/VE/VR
KP 8-63/32	63/32mm	Reduced Tee	PP/VA/FI/VE/VR
KP 8-63F	63mm	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	75/63mm	Integrated tee	PP/VA/FI/VE/VR/SC2
KP 8-75/63SC-F	75/63mm	Integrated tee	PP/VA/FI/VE/VR/SC2
KP 8-75/63SCEC-L	75/63mm	Integrated tee	PP/VA/FI/VE/VR/SC2
KP 8-90/63	90/63mm	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	110/63mm	Reducer	PP/VA/FI/VE/VR
KP 9-110/90	110/90mm	Reducer	PP/VA/FI/VE/VR
KP 9-125/75C	125/75 mm	Reducer	SC2
KP 9-160/125SC	160/125 mm	Reducer	SC2

<b>Product No:</b>	<b>Size</b>	<b>Component</b>	<b>Application</b>
KP 9-63/54	63/54mm	Reducer	PP/VA/FI/VE/VR
KP 9-90/63	90/63mm	Reducer	PP/VA/FI/VE/VR
KP C11-110	110mm	Transition end coupling	PP/VA/FI/VE/VR
KP C11-54	54mm	Transition end coupling	PP/VA/FI/VE/VR
KP C11-63	63mm	Transition end coupling	PP/VA/FI/VE/VR
KP C11-90	90mm	Transition end coupling	PP/VA/FI/VE/VR
KP CC-110	110mm	Conductor	PP/VA/FI/VE/VR
KP CC-54	54mm	Conductor	PP/VA/FI/VE/VR
KP CC-63	63mm	Conductor	PP/VA/FI/VE/VR
KP CC-90	90mm	Conductor	PP/VA/FI/VE/VR
KP T125/110SC	125/110mm	Termination fitting	PP/VA/VE/VR/FI/SC2
KP T125/110SC-L	125/110mm	Termination fitting	PP/VA/FI/VE/VR/SC2
KP T125/110SCA	125/110mm	Termination fitting	PP/VA/VE/VR/FI/SC2
KP T25-10	25mm	Flexible steel hose	PP/VA/FI/VE/VR
KP T25-13	25mm	Flexible steel hose	PP/VA/FI/VE/VR
KP T25-15	25mm	Flexible steel hose	PP/VA/FI/VE/VR
KP T25-4	25mm	Flexible steel hose	PP/VA/FI/VE/VR
KP T40-10	54mm	Flexible steel hose	PP/VA/FI/VE/VR
KP T40-13	54mm	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	75/63mm	Termination fitting	PP/VA/FI/VE/VR/SC2
KP W110	110mm	Mechanical connection	PP/VA/FI/VE/VR
KP W54	54mm	Mechanical connection	PP/VA/FI/VE/VR
KP W6-110	110mm	Threaded flange	PP/VA/FI/VE/VR
KP W63	63mm	Mechanical connection	PP/VA/FI/VE/VR
KP W6-54	54mm	Threaded flange	PP/VA/FI/VE/VR
KP W6-63	63mm	Threaded flange	PP/VA/FI/VE/VR
KP W6-90	90mm	Threaded flange	PP/VA/FI/VE/VR
KP W90	90mm	Mechanical connection	PP/VA/FI/VE/VR
KP 2-75/63SCA	75/63mm	Integrated welding socket	PP/VA/VE/VR/FI/SC2
KP 2-125/110SCA	110/125mm	Integrated welding socket	PP/VA/VE/VR/FI/SC2
KP 2-125/110SC2A	110/125mm	Integrated welding socket	SC2
KP T75-63B	75/63mm	Termination fitting	PP/VA/VE/VR/FI/SC2
KP T75-63B-L	75/63mm	Termination fitting	PP/VA/VE/VR/FI/SC2
KP T75-63SC2A	75/63mm	Termination fitting	PP/VA/VE/VR/FI/SC2
KP T75-63SC2A-L	75/63mm	Termination fitting	PP/VA/VE/VR/FI/SC2
KP T75-63SC2B	75/63mm	Termination fitting	PP/VA/VE/VR/FI/SC2
KP T75-63SC2B-L	75/63mm	Termination fitting	PP/VA/VE/VR/FI/SC2
KP TM75-63SC2A	75/63mm	Entry seal and termination fitting	PP/VA/VE/VR/FI/SC2
KP TM75-63SC2A-L	75/63mm	Entry seal and termination fitting	PP/VA/VE/VR/FI/SC2
KP TM75-63SC2B	75/63mm	Entry seal and termination fitting	PP/VA/VE/VR/FI/SC2
KP TM75-63SC2B-L	75/63mm	Entry seal and termination fitting	PP/VA/VE/VR/FI/SC2
KP TM125/110SC2A	125/110mm	Entry seal and termination fitting	PP/VA/VE/VR/FI/SC2