



# Certificate of Compliance

Type Approval

**Issued to:** NUPI INDUSTRIE ITALIANE S.p.A., Via dell' Artigianato, 13, I-40023 Castel Guelfo di Bologna, Italy.

**Product range:** Smartflex pipe product range

This certificate covers only those items listed on the attached pages.

**Applications:** Positive pressure, vacuum suction delivery, vent lines, fill pipes, vapour recovery and secondary containment

**This is to certify that samples of the items listed on the attached pages have been tested by ERA Technology and have been found to comply with the requirements of the following standard for initial type testing:**

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

**Test details are given in relevant ERA Test Certificates**

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

NOTE 2: This certificate remains the property of ERA Technology Ltd. ERA reserves the right to withdraw or revise it following written notification to the issue. Any revision is indicated by a change in certificate number.

**Conditions on the validity of this Certificate:**

1. The marking on the pipes shall be updated to comply with EN 14125 Table 6.
2. The Manual shall be updated to state that the parts SALM, SFLAK, SADWM and SRCPG may not be directly buried in the ground unless duly protected.

**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

**Certificate Number: 2015-0905-011**

**Dated: 17/05/2016**

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

NOTE: All threaded adapters can be made of brass, nickel plated brass and stainless steel. Threaded adapters using nickel plated brass include 'NP' in the part number, while threaded adapters using stainless steel include 'SS' in the part number.

Type	Size	Component	Part No.	Applications
Smartflex	32mm	Pipe with Z barrier layer	TSMAH32 (Z)	PP/VA/VE/FI/VR
Smartflex	50mm	Pipe with Z barrier layer	TSMAH50 (Z)	PP/VA/VE/FI/VR
Smartflex	63mm	Pipe with Z barrier layer	TSMAH63 (Z)	PP/VA/VE/FI/VR
Smartflex	90mm	Pipe with Z barrier layer	TSMAH90 (Z)	PP/VA/VE/FI/VR
Smartflex	110mm	Pipe with Z barrier layer	TSMAH110 (Z)	PP/VA/VE/FI/VR
Smartflex	160mm	Pipe with Z barrier layer	TSMAH160 (Z)	PP/VA/VE/FI/VR
Smartflex	32mm	Pipe with H barrier layer	TSMAH32 (H)	PP/VA/VE/FI/VR
Smartflex	50mm	Pipe with H barrier layer	TSMAH50 (H)	PP/VA/VE/FI/VR
Smartflex	63mm	Pipe with H barrier layer	TSMAH63 (H)	PP/VA/VE/FI/VR
Smartflex	90mm	Pipe with H barrier layer	TSMAH90 (H)	PP/VA/VE/FI/VR
Smartflex	110mm	Pipe with H barrier layer	TSMAH110 (H)	PP/VA/VE/FI/VR
Smartflex	160mm	Pipe with H barrier layer	TSMAH160 (H)	PP/VA/VE/FI/VR
Smartflex	50 mm	Pipe with H barrier layer	TSMAH50	PP/VA/VE/FI/VR
Smartflex	63 mm	Pipe with H barrier layer	TSMAH63	PP/VA/VE/FI/VR
Smartflex	90 mm	Pipe with H barrier layer	TSMAH90	PP/VA/VE/FI/VR
Smartflex	110 mm	Pipe with H barrier layer	TSMAH110	PP/VA/VE/FI/VR
Smartflex	160 mm	Pipe with H barrier layer	TSMAH160	PP/VA/VE/FI/VR
Smartflex	50 mm	Electrofusion coupler	SME50	PP/VA/VE/FI/VR
Smartflex	63 mm	Electrofusion coupler	SME63	PP/VA/VE/FI/VR
Smartflex	90 mm	Electrofusion coupler	SME90	PP/VA/VE/FI/VR
Smartflex	110 mm	Electrofusion coupler	SME110	PP/VA/VE/FI/VR
Smartflex	50 mm	45° electrofusion elbow	SCE50	PP/VA/VE/FI/VR
Smartflex	63 mm	45° electrofusion elbow	SCE63	PP/VA/VE/FI/VR
Smartflex	90 mm	45° electrofusion elbow	SCE90	PP/VA/VE/FI/VR
Smartflex	110 mm	45° electrofusion elbow	SCE110	PP/VA/VE/FI/VR
Smartflex	50 mm	90° electrofusion elbow	SGE50	PP/VA/VE/FI/VR
Smartflex	63 mm	90° electrofusion elbow	SGE63	PP/VA/VE/FI/VR
Smartflex	90 mm	90° electrofusion elbow	SGE90	PP/VA/VE/FI/VR
Smartflex	110 mm	90° electrofusion elbow	SGE110	PP/VA/VE/FI/VR
Smartflex	50 mm	Electrofusion equal tee	STE50	PP/VA/VE/FI/VR
Smartflex	63 mm	Electrofusion equal tee	STE63	PP/VA/VE/FI/VR
Smartflex	90 mm	Electrofusion equal tee	STE90	PP/VA/VE/FI/VR
Smartflex	110 mm	Electrofusion equal tee	STE110	PP/VA/VE/FI/VR
Smartflex	50 mm	Electrofusion equal tee (green)	STELV50	PP/VA/VE/FI/VR
Smartflex	63 mm	Electrofusion equal tee (green)	STELV63	PP/VA/VE/FI/VR
Smartflex	110 mm	Electrofusion equal tee (green)	STELV110	PP/VA/VE/FI/VR
Smartflex	63/50 mm	Reducer	SR6350	PP/VA/VE/FI/VR
Smartflex	90/50 mm	Reducer	SR9050	PP/VA/VE/FI/VR
Smartflex	90/63 mm	Reducer	SR9063	PP/VA/VE/FI/VR
Smartflex	110/63 mm	Reducer	SR11063	PP/VA/VE/FI/VR
Smartflex	110/90 mm	Reducer	SR11090	PP/VA/VE/FI/VR
Smartflex	50 mm x 1½"	Union	SRCPG50112	PP/VA/VE/FI/VR
Smartflex	63 mm x 2"	Union	SRCPG632	PP/VA/VE/FI/VR
Smartflex	90 mm x 3"	Union	SRCPG903	PP/VA/VE/FI/VR
Smartflex	50 mm	Steel flange (UNI-DIN flange)	SFLAK50	PP/VA/VE/FI/VR
Smartflex	63 mm	Steel flange (UNI-DIN flange)	SFLAK63	PP/VA/VE/FI/VR
Smartflex	90 mm	Steel flange (UNI-DIN flange)	SFLAK90	PP/VA/VE/FI/VR
Smartflex	110 mm	Steel flange (UNI-DIN flange)	SFLAK110	PP/VA/VE/FI/VR
Smartflex	50 mm	Steel flange (ANSI 150 flange)	SFLAKA50	PP/VA/VE/FI/VR
Smartflex	63 mm	Steel flange (ANSI 150 flange)	SFLAKA63	PP/VA/VE/FI/VR
Smartflex	90 mm	Steel flange (ANSI 150 flange)	SFLAKA90	PP/VA/VE/FI/VR
Smartflex	110 mm	Steel flange (ANSI 150 flange)	SFLAKA110	PP/VA/VE/FI/VR
Smartflex	50 mm	End cap	STPCL50	PP/VA/VE/FI/VR
Smartflex	63 mm	End cap	STPCL63	PP/VA/VE/FI/VR
Smartflex	75 mm	End cap	STPCL75	PP/VA/VE/FI/VR

Type	Size	Component	Part No.	Applications
Smartflex	90 mm	End cap	STPCL90	PP/VA/VE/FI/VR
Smartflex	110 mm	End cap	STPCL110	PP/VA/VE/FI/VR
Smartflex	125 mm	End cap	STPCL125	PP/VA/VE/FI/VR
Smartflex	32 mm x 1"	Adapter male	SAM321	PP/VA/VE/FI/VR
Smartflex	50 mm x 1½"	Adapter male	SAM50112	PP/VA/VE/FI/VR
Smartflex	50 mm x 2"	Adapter male	SAM502	PP/VA/VE/FI/VR
Smartflex	63 mm x 1½"	Adapter male	SAM63112	PP/VA/VE/FI/VR
Smartflex	63 mm x 2"	Adapter male	SAM632	PP/VA/VE/FI/VR
Smartflex	90 mm x 3"	Adapter male	SAM903	PP/VA/VE/FI/VR
Smartflex	110 mm X 4"	Adapter male	SAM1104	PP/VA/VE/FI/VR
Smartflex	32 mm x 1"	Adapter female	SAF321	PP/VA/VE/FI/VR
Smartflex	50 mm x 1½"	Adapter female	SAF50112	PP/VA/VE/FI/VR
Smartflex	50 mm x 2"	Adapter female	SAF502	PP/VA/VE/FI/VR
Smartflex	63 mm x 1½"	Adapter female	SAF63112	PP/VA/VE/FI/VR
Smartflex	63 mm x 2"	Adapter female	SAF632	PP/VA/VE/FI/VR
Smartflex	90 mm x 3"	Adapter female	SAF903	PP/VA/VE/FI/VR
Smartflex	110 mm X 4"	Adapter female	SAF1104	PP/VA/VE/FI/VR
Smartflex	50 mm	Double wall pipe	TSMAMD50	PP/VA/VE/FI/VR/CS2
Smartflex	63 mm	Double wall pipe	TSMAMD63	PP/VA/VE/FI/VR/CS2
Smartflex	90 mm	Double wall pipe	TSMAMD90	PP/VA/VE/FI/VR/CS2
Smartflex	110mm	Double wall pipe	TSMAMD110	PP/VA/VE/FI/VR/CS2
Smartflex	160mm	Double wall pipe	TSMAMD160	PP/VA/VE/FI/VR/CS2
Smartflex	50 mm	Pipes with 'Y' barrier layer	TSMADU50	VE/VR/FI
Smartflex	63 mm	Pipes with 'Y' barrier layer	TSMADU63	VE/VR/FI
Smartflex	90 mm	Pipes with 'Y' barrier layer	TSMADU90	VE/VR/FI
Smartflex	110 mm	Pipes with 'Y' barrier layer	TSMADU110	VE/VR/FI
Smartflex	63 mm	Secondary containment pipe	TSMADUS63	CS2
Smartflex	75 mm	Secondary containment pipe	TSMADUS75	CS2
Smartflex	125 mm	Secondary containment pipe	TSMADUS125	CS2
Smartflex	40 mm	Secondary containment pipe	TSMADHS40	CS2
Smartflex	63 mm	Secondary containment pipe	TSMADHS63	CS2
Smartflex	75 mm	Secondary containment pipe	TSMADHS75	CS2
Smartflex	125 mm	Secondary containment pipe	TSMADHS125	CS2
Smartflex	225 mm	Secondary containment pipe	TSMADHS225	CS2
Smartflex	50mm	Double wall pipe with Y barrier layer	TSMADUD50	VE/VR/FI/CS2
Smartflex	63mm	Double wall pipe with Y barrier layer	TSMADUD63	VE/VR/FI/CS2
Smartflex	90mm	Double wall pipe with Y barrier layer	TSMADUD90	VE/VR/FI/CS2
Smartflex	110mm	Double wall pipe with Y barrier layer	TSMADUD110	VE/VR/FI/CS2
Smartflex	32mm	Double wall pipe with H barrier layer	TSMADHD32 (H)	PP/VA/VE/FI/VR/CS2
Smartflex	50mm	Double wall pipe with H barrier layer	TSMADHD50 (H)	PP/VA/VE/FI/VR/CS2
Smartflex	63mm	Double wall pipe with H barrier layer	TSMADHD63 (H)	PP/VA/VE/FI/VR/CS2
Smartflex	90mm	Double wall pipe with H barrier layer	TSMADHD90 (H)	PP/VA/VE/FI/VR/CS2
Smartflex	110mm	Double wall pipe with H barrier layer	TSMADHD110 (H)	PP/VA/VE/FI/VR/CS2
Smartflex	160mm	Double wall pipe with H barrier layer	TSMADHD160 (H)	PP/VA/VE/FI/VR/CS2
Smartflex	50mm	Double wall pipe with Z barrier layer	TSMADHD50 (Z)	PP/VA/VE/FI/VR/CS2
Smartflex	63mm	Double wall pipe with Z barrier layer	TSMADHD63 (Z)	PP/VA/VE/FI/VR/CS2
Smartflex	90mm	Double wall pipe with Z barrier layer	TSMADHD90 (Z)	PP/VA/VE/FI/VR/CS2
Smartflex	110mm	Double wall pipe with Z barrier layer	TSMADHD110 (Z)	PP/VA/VE/FI/VR/CS2
Smartflex	160mm	Double wall pipe with Z barrier layer	TSMADHD160 (Z)	PP/VA/VE/FI/VR/CS2
Smartflex	32mm	Electrofusion coaxial straight connector	SMEDW32	PP/VA/VE/VR/FI/CP2
Smartflex	50mm	Electrofusion coaxial straight connector	SMEDW50	PP/VA/VE/VR/FI/CP2
Smartflex	50mm	Electrofusion double wall 90° Tee	STEDW50	PP/VA/VE/VR/FI/CP2
Smartflex	50mm	Electrofusion coaxial 90° elbow	SGEDW50	PP/VA/VE/VR/FI/CP2
Smartflex	63mm	Electrofusion coaxial straight connector	SMEDW63	PP/VA/VE/VR/FI/CP2
Smartflex	63mm	Electrofusion double wall 90° Tee	STEDW63	PP/VA/VE/VR/FI/CP2

Type	Size	Component	Part No.	Applications
Smartflex	63mm	Electrofusion coaxial 90° elbow	SGEDW63	PP/VA/VE/VR/FI/CP2
Smartflex	90mm	Electrofusion double wall coaxial straight connector	SMEDW90	PP/VA/VE/VR/FI/CP2
Smartflex	90mm	Electrofusion double wall 90° Tee	STEDW90	PP/VA/VE/VR/FI/CP2
Smartflex	90mm	Electrofusion double wall 90° coaxial elbow	SGEDW90	PP/VA/VE/VR/FI/CP2
Smartflex	63mm	Electrofusion double wall termination	SETFV63	PP/VA/VE/VR/FI/CS2
Smartflex	110mm	Electrofusion double wall straight connector	SMEDWR110125	PP/VA/VE/VR/FI/CS2
Smartflex	110mm	Electrofusion double wall 90° Tee	STEDWR110125	PP/VA/VE/VR/FI/CS2
Smartflex	110mm	Electrofusion double wall 90° elbow	SGEDWR110125	PP/VA/VE/VR/FI/CS2
Smartflex	110mm	Electrofusion double wall 45° elbow	SCEDWR110125	PP/VA/VE/VR/FI/CS2
Smartflex	110mm	Electrofusion double wall terminating fitting	SETFV110125	PP/VA/VE/VR/FI/CS2
Smartflex	160mm	Electrofusion double wall straight connector	SMEDWR160225	PP/VA/VE/VR/FI/CS2
Smartflex	160mm	Electrofusion double wall terminating fitting with test port	SETFVR160225TP	PP/VA/VE/VR/FI/CS2
Smartflex	50mm x 1½"	Double Wall Riser	SADWM50112	PP/VA/VE/VR/FI/CS2
Smartflex	63mm x 2	Double Wall Riser	SADWM632	PP/VA/VE/VR/FI/CS2
Smartflex	50mm x 1½"	Electrofusion double wall female terminating fitting	SAWFD50112	PP/VA/VE/VR/FI/CS2
Smartflex	63mm x 2	Electrofusion double wall female terminating fitting	SAWFD632	PP/VA/VE/VR/FI/CS2
Smartflex	110mm	Electrofusion double wall female terminating fitting	SAWFD1104	PP/VA/VE/VR/FI/CS2
Smartflex	50mm	Electrofusion double wall terminating fitting	SETF50	PP/VA/FI/VE/VR/CS2
Smartflex	63mm	Electrofusion double wall terminating fitting	SETF63	PP/VA/FI/VE/VR/CS2
Smartflex	90mm	Electrofusion double wall terminating fitting	SETF90	PP/VA/FI/VE/VR/CS2
Smartflex	32mm	Electrofusion double wall terminating fitting (compact)	SETFC32	PP/VA/FI/VE/VR/CS2
Smartflex	50mm	Electrofusion double wall terminating fitting (compact)	SETFC50	PP/VA/FI/VE/VR/CS2
Smartflex	32mm	Electrofusion double wall terminating fitting (compact)	SETFC32	PP/VA/FI/VE/VR/CS2
Smartflex	63mm	Electrofusion double wall terminating fitting (compact)	SETFC63	PP/VA/FI/VE/VR/CS2
Smartflex	110mm	Electrofusion double wall terminating fitting (compact)	SETFC110	PP/VA/FI/VE/VR/CS2
Smartflex	32mm	Electrofusion double wall terminating fitting (compact) with test port	SETFCV32	PP/VA/FI/VE/VR/CS2
Smartflex	50mm	Electrofusion double wall terminating fitting (compact) with test port	SETFCV50	PP/VA/FI/VE/VR/CS2
Smartflex	63mm	Electrofusion double wall terminating fitting (compact) with test port	SETFCV63	PP/VA/FI/VE/VR/CS2
Smartflex	110mm	Electrofusion double wall terminating fitting (compact) with test port	SETFCV110	PP/VA/FI/VE/VR/CS2
Smartflex	50mm	Electrofusion double wall terminating fitting with test port	SETFV50	PP/VA/VE/VR/FI/CS2
Smartflex	90mm	Electrofusion double wall terminating fitting with test port	SETFV90	PP/VA/VE/VR/FI/CS2
Ecosmart	50 mm	Electrofusion coupler	SMEL50	PP/VA/VE/FI/VR
Ecosmart	63 mm	Electrofusion coupler	SMEL63	PP/VA/VE/FI/VR
Ecosmart	90 mm	Electrofusion coupler	SMEL90	PP/VA/VE/FI/VR
Ecosmart	110 mm	Electrofusion coupler	SMEL110	PP/VA/VE/FI/VR
Ecosmart	50 mm	45° electrofusion elbow	SCEL50	PP/VA/VE/FI/VR
Ecosmart	63 mm	45° electrofusion elbow	SCEL63	PP/VA/VE/FI/VR
Ecosmart	90 mm	45° electrofusion elbow	SCEL90	PP/VA/VE/FI/VR
Ecosmart	110 mm	45° electrofusion elbow	SCEL110	PP/VA/VE/FI/VR
Ecosmart	50 mm	90°electrofusion elbow	SGEL50	PP/VA/VE/FI/VR
Ecosmart	63 mm	90°electrofusion elbow	SGEL63	PP/VA/VE/FI/VR
Ecosmart	90 mm	90°electrofusion elbow	SGEL90	PP/VA/VE/FI/VR
Ecosmart	110 mm	90°electrofusion elbow	SGEL110	PP/VA/VE/FI/VR
Ecosmart	50 mm	Electrofusion equal tee	STEL50	PP/VA/VE/FI/VR
Ecosmart	63 mm	Electrofusion equal tee	STEL63	PP/VA/VE/FI/VR
Ecosmart	90 mm	Electrofusion equal tee	STEL90	PP/VA/VE/FI/VR
Ecosmart	110 mm	Electrofusion equal tee	STEL110	PP/VA/VE/FI/VR

Type	Size	Component	Part No.	Applications
Ecosmart	32 mm x 1"	Adapter male	SAML321 E	PP/VA/VE/FI/VR
Ecosmart	50 mm x 1½"	Spigot male adapter	SAML50112	PP/VA/VE/FI/VR
Ecosmart	63 mm x 2"	Spigot male adapter	SAML632	PP/VA/VE/FI/VR
Ecosmart	90 mm x 3"	Spigot male adapter	SAML903	PP/VA/VE/FI/VR
Ecosmart	110 mm x 4"	Spigot male adapter	SAML1104	PP/VA/VE/FI/VR
Ecosmart	32 mm x 1"	Adapter female	SAFL321	PP/VA/VE/FI/VR
Ecosmart	50 mm x 1½"	Adapter female	SAFL50112	PP/VA/VE/FI/VR
Ecosmart	50 mm x 2"	Adapter female	SAFL502	PP/VA/VE/FI/VR
Ecosmart	63 mm x 1½"	Adapter female	SAFL63112	PP/VA/VE/FI/VR
Ecosmart	63 mm x 2"	Adapter female	SAFL632	PP/VA/VE/FI/VR
Ecosmart	90 mm x 3"	Adapter female	SAFL903	PP/VA/VE/FI/VR
Ecosmart	110 mm X 4"	Adapter female	SAFL1104	PP/VA/VE/FI/VR