



# Certificate of Compliance

Type Approval

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

**Products:** Smartflex range of pipes and connectors.

A full list of part numbers is given on pages 2 and 3 of this Certificate.

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

**Applications:** Positive pressure and vacuum suction delivery, vent lines, fill pipes, vapour recovery and secondary containment Type 2, as stated in list.

**This is to certify that samples of the products defined above have been tested 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.**

**Full details are given in ERA report number:** 2002-0469 and EDP2875001

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

None. This Certificate replaces Certificate BC62/0469/2002/002.

**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:** ERA 2016-0421-005

**Dated:** 31st May 2016

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

	Size	Component	Part No.	Applications
Smartflex	50 mm x 1½"	90° mechanical brass male adaptor	SBGM50	PP/VA/VE/FI/VR/SD
Smartflex	63 mm x 2"	90° mechanical brass male adaptor	SBGM63	PP/VA/VE/FI/VR/SD
Smartflex	50 mm x 1½"	90° mechanical brass female adaptor	SBGF50	PP/VA/VE/FI/VR/SD
Smartflex	63 mm x 2"	90° mechanical brass female adaptor	SBGF63	PP/VA/VE/FI/VR/SD
Smartflex	50 mm	fused/crimped male adaptor	SADM50112	PP/VA/VE/FI/VR/SD
Smartflex	63 mm	fused/crimped male adaptor	SADM632	PP/VA/VE/FI/VR/SD
Smartflex	50 mm	fused/crimped female adaptor	SADF650112	PP/VA/VE/FI/VR/SD
Smartflex	63 mm	fused/crimped female adaptor	SADF632	PP/VA/VE/FI/VR/SD
Smartflex	50 mm	crimped transition unit with 90° steel pipe	SAD90M50112	PP/VA/VE/FI/VR/SD
Smartflex	63 mm	crimped transition unit with 90° steel pipe	SAD90F50112	PP/VA/VE/FI/VR/SD
Smartflex	90 mm	crimped union adaptor	SRCPG903	PP/VA/VE/FI/VR/SD
Smartflex	110 mm	crimped union adaptor	SRCPG1104	PP/VA/VE/FI/VR/SD
Smartflex	50 mm	pipe	TSMAD50	SD
Smartflex	63 mm	pipe	TSMAD63	SD
Smartflex	50 mm	brass fitting connectors	STVF50	SD
Smartflex	63 mm	brass fitting connectors	STVF63	SD
Smartflex	50 mm	electrofusion coupler	SME50	PP/VA
Smartflex	63 mm	electrofusion coupler	SME63	PP/VA
Smartflex	90 mm	electrofusion coupler	SME90	PP/VA
Smartflex	110 mm	electrofusion coupler	SME110	PP/VA
Smartflex	50 mm	90° electrofusion elbow	SGE50	PP/VA
Smartflex	63 mm	90° electrofusion elbow	SGE63	PP/VA
Smartflex	90 mm	90° electrofusion elbow	SGE90	PP/VA
Smartflex	110 mm	90° electrofusion elbow	SGE110	PP/VA
Smartflex	50 mm	45° electrofusion elbow	SCE50	PP/VA
Smartflex	63 mm	45° electrofusion elbow	SCE63	PP/VA
Smartflex	90 mm	45° electrofusion elbow	SCE90	PP/VA
Smartflex	110 mm	45° electrofusion elbow	SCE110	PP/VA
Smartflex	50 mm	electrofusion equal tee	STE50	PP/VA
Smartflex	63 mm	electrofusion equal tee	STE63	PP/VA
Smartflex	90 mm	electrofusion equal tee	STE90	PP/VA
Smartflex	110 mm	electrofusion equal tee	STE110	PP/VA
Smartflex	50 mm	pipes with 'Y' barrier layer	TSMA50 'Y'	PP/VA/FI/VE/VR
Smartflex	63 mm	pipes with 'Y' barrier layer	TSMA63 'Y'	PP/VA/FI/VE/VR
Smartflex	90 mm	pipes with 'Y' barrier layer	TSMA90 'Y'	PP/VA/FI/VE/VR
Smartflex	110 mm	pipes with 'Y' barrier layer	TSMA110 'Y'	PP/VA/FI/VE/VR
Smartflex	160 mm	pipes with 'Y' barrier layer	TSMA160 'Y'	PP/VA/FI/VE/VR
Smartflex	50 mm	socket weldable straight connector	SM50	PP/VA
Smartflex	63 mm	socket weldable straight connector	SM63	PP/VA
Smartflex	90 mm	socket weldable straight connector	SM90	PP/VA
Smartflex	110 mm	socket weldable straight connector	SM110	PP/VA
Smartflex	50 mm	socket weldable 90° elbow	SG50	PP/VA
Smartflex	63 mm	socket weldable 90° elbow	SG63	PP/VA
Smartflex	90 mm	socket weldable 90° elbow	SG90	PP/VA
Smartflex	50 mm	socket weldable tee	ST50	PP/VA
Smartflex	63 mm	socket weldable tee	ST63	PP/VA
Smartflex	90 mm	socket weldable tee	ST90	PP/VA
Smartflex	50 mm	pipes with 'H' barrier layer	TSMA50 "H"	PP/VA/FI/VE/VR
Smartflex	63 mm	pipes with 'H' barrier layer	TSMA63 "H"	PP/VA/FI/VE/VR
Smartflex	90 mm	pipes with 'H' barrier layer	TSMA90 "H"	PP/VA/FI/VE/VR
Smartflex	110 mm	pipes with 'H' barrier layer	TSMA110 "H"	PP/VA/FI/VE/VR
Ecosmart	50 mm	pipes with Green 'Y' barrier layer	TSMAL50	PP/VA/FI/VE/VR
Ecosmart	63 mm	pipes with Green 'Y' barrier layer	TSMAL63	PP/VA/FI/VE/VR
Ecosmart	90 mm	pipes with Green 'Y' barrier layer	TSMAL90	PP/VA/FI/VE/VR
Ecosmart	110 mm	pipes with Green 'Y' barrier layer	TSMAL110	PP/VA/FI/VE/VR
Smartflex	50 mm	pipes with 'Y' barrier layer	T SMAU50	VE/VR
Smartflex	63 mm	pipes with 'Y' barrier layer	T SMAU63	VE/VR
Smartflex	90 mm	pipes with 'Y' barrier layer	T SMAU90	VE/VR
Smartflex	110 mm	pipes with 'Y' barrier layer	T SMAU110	VE/VR

	Size	Component	Part No.	Applications
Smartflex	50 mm	electrofusion double wall straight connector	SMED 50 "Y"	PP/VA/FI/VE/VR
Smartflex	63 mm	electrofusion double wall straight connector	SMED 63 "Y"	PP/VA/FI/VE/VR
Smartflex	50 mm	electrofusion double wall 90° Elbow	SGED 50 "Y"	PP/VA/FI/VE/VR
Smartflex	63 mm	electrofusion double wall 90° Elbow	SGED 63 "Y"	PP/VA/FI/VE/VR
Smartflex	50 mm	electrofusion double wall 90° Tee	STED 50 "Y"	PP/VA/FI/VE/VR
Smartflex	63 mm	electrofusion double wall 90° Tee	STED 63 "Y"	PP/VA/FI/VE/VR
Smartflex	50 mm	electrofusion double wall terminating fitting	SETF 50 "Y"	PP/VA/FI/VE/VR
Smartflex	63 mm	electrofusion double wall terminating fitting	SETF 63 "Y"	PP/VA/FI/VE/VR
Smartflex	50 mm	electrofusion double wall terminating fitting	SETF 50 "Y"	PP/VA/FI/VE/VR
Smartflex	63 mm	electrofusion double wall terminating fitting	SETF 63 "Y"	PP/VA/FI/VE/VR
Smartflex	50 mm	electrofusion double wall terminating fitting with test port	SETFV 50 "Y"	PP/VA/FI/VE/VR
Smartflex	63 mm	electrofusion double wall terminating fitting with test port	SETFV 63 "Y"	PP/VA/FI/VE/VR
Smartflex	50 mm x 1½"	double wall riser	SADWM 50	PP/VA/FI/VE/VR
Smartflex	63 mm x 2	double wall riser	SADWM 63	PP/VA/FI/VE/VR
Smartflex	50 mm x 1½"	double wall adaptor female	SAWF 50	PP/VA/FI/VE/VR
Smartflex	63 mm x 2	double wall adaptor female	SAWF 63	PP/VA/FI/VE/VR
Smartflex	50 mm	electrofusion double wall straight connector	SMED 50	PP/VA/FI/VE/VR
Smartflex	63 mm	electrofusion double wall straight connector	SMED 63	PP/VA/FI/VE/VR
Smartflex	50 mm	electrofusion double wall 90° Elbow	SGED 50	PP/VA/FI/VE/VR
Smartflex	63 mm	electrofusion double wall 90° Elbow	SGED 63	PP/VA/FI/VE/VR
Smartflex	50 mm	electrofusion double wall 90° Tee	STED 50	PP/VA/FI/VE/VR
Smartflex	63 mm	electrofusion double wall 90° Tee	STED 63	PP/VA/FI/VE/VR
Smartflex	50 mm	electrofusion double wall terminating fitting	SETF 50	PP/VA/FI/VE/VR
Smartflex	63 mm	electrofusion double wall terminating fitting	SETF 63	PP/VA/FI/VE/VR
Smartflex	50 mm	electrofusion double wall terminating fitting	SETF 50	PP/VA/FI/VE/VR
Smartflex	63 mm	electrofusion double wall terminating fitting	SETF 63	PP/VA/FI/VE/VR
Smartflex	50 mm	electrofusion double wall terminating fitting with test port	SETFV 50	PP/VA/FI/VE/VR
Smartflex	63 mm	electrofusion double wall terminating fitting with test port	SETFV 63	PP/VA/FI/VE/VR