



PRODUCT TECHNICAL STATEMENT

Incorporating BPIR requirements as per
Building Product Information Regulations 2022

Esse SAB polyethylene pipe fittings

Supplied by Hydroflow

HYDROFLOW DISTRIBUTORS LTD
221 Bush Road
Rosedale, Albany, North Shore
Auckland
Tel: +64 9 415 6151

SAB is a part of **System Group**, a group of companies founded in 1979, one of the main European holdings in the supply of piping systems in PE and PP. The company was born in Sirolo (AN) in 2003, and it moved to Sant'Angelo in Vado in 2007. SAB specializes in moulding and extrusion of plastic materials for the production of compression and electrofusion fittings, drainage channels and products for drip irrigation. We are active in three sectors: irrigation, water and gas, and drainage. We export to more than 100 countries thanks to our international relations network.

[Esse SAB](#) and [Hydroflow](#)

This PTS covers all of the products supplied by Hydroflow, on behalf of Esse SAB, in New Zealand.

Document type	Revision	Revision date
Product Technical Specification & BPIR Esse SAB polyethylene pipe fittings	v 1	5 December 2023

Revision control

Revision number	Revision information	Date
v1	New PTS (BPIR)	5 December 2023

Contents

Esse SAB polyethylene pipe fittings	1
Revision control	2
Purpose and use	3
Product description	3
Key advantages	3
Technical Information, Installation Instructions, Maintenance Instructions	3
Esse SAB polyethylene pipe fittings QA processes	3
Contribution to Compliance	4
NOTE Re WaterMark	5
Design, construction and installation instructions	6
Installation Instructions	6
Maintenance requirements	6
Warranty	6
Limitations	6
Quality assurance	6
Product support	7
Manufacturer	7
Warnings and Bans	7
Appendix 1 – ISO 9001 certificate	8
Appendix 2 – WaterMark certificates	10
Appendix 3 – Example of installation instructions	12
Appendix 4 – Terms and conditions	14
Appendix 5 – Examples of other international certifications	19

Document type	Revision	Revision date
Product Technical Specification & BPIR Esse SAB polyethylene pipe fittings	v 1	5 December 2023

Purpose and use

Esse SAB polyethylene pipe fittings for use in plumbing are suitable for mains pressure.

Product description

Esse SAB polyethylene pipe fittings comply with the NZBC as shown below in the BPIR section.

A full product listing is available on the Hydroflow website, specifically for polyethylene pipe fittings:

[Hydroflow](#)

Key advantages

Each Esse SAB product specification, features and benefits are available on the website as shown above.

Technical Information, Installation Instructions, Maintenance Instructions

All Esse SAB polyethylene pipe fittings technical information is available for download at the website:

[Esse SAB](#)

Information available as follows:

- Catalogues
- Installation Instructions
- Certifications

Esse SAB recommends that all installation is done by a registered plumber.

Esse SAB polyethylene pipe fittings QA processes

Esse SAB polyethylene pipe fittings undertake testing and inspections of all products as part of the QA requirements.

Esse SAB is an ISO9001 certified manufacturer - See Appendix 1

Esse SAB Australia has an extensive range of products that are WaterMark certified to:

WM 01765 to AS/NZS 4129:2008 Fittings for use with polyethylene pipes for pressure applications

See Appendix 2

Esse SAB also has many other product performance certifications, including DVGW, Bureau Veritas, WRAS, SABS, and many others.

For more information please see: [Resources - SAB spa](#)

Document type	Revision	Revision date
Product Technical Specification & BPIR Esse SAB polyethylene pipe fittings	v 1	5 December 2023

Contribution to Compliance

Esse SAB polyethylene pipe fittings are in full compliance with the requirements as set out in the New Zealand Building Code, as follows:

Building code	Requirement	Compliance evidence
<p>B2 (Durability)</p> <p>B2.3.1 (c) applies</p>	<p>(B2.3.1 Building elements must, with only normal maintenance, continue to satisfy the performance requirements of this code for the lesser of the specified intended life of the building, if stated, or:</p> <p>(c) 5 years if:</p> <p>(i) The building elements (including services, linings, renewable protective coatings, and fixtures) are easy to access and replace, and</p> <p>(ii) Failure of those building elements to comply with the building code would be easily detected during normal use of the building.</p>	<p>As part of a plumbing system for supply of cold, hot or mixed water temperatures.</p> <p>These products can be used in residential and/or commercial buildings where cold, hot or mixed water temperatures water is required to be supplied.</p> <p>Not suitable for use in areas which are being permanently concealed such as behind concrete.</p> <p>Maintenance required is shown in the Maintenance and Installation Instructions.</p> <p>Proof of durability – Service history Esse SAB products have been manufactured and supplied worldwide since 1979.</p> <p>Warranty calls are at a minimum and within the quality principles of Esse SAB. All Warranty claims are investigated, and corrective/preventive actions are implemented.</p> <p>Products that are WaterMark certified are subject to various performance testing, including endurance.</p>

Document type	Revision	Revision date
<p>Product Technical Specification & BPIR Esse SAB polyethylene pipe fittings</p>	<p>v 1</p>	<p>5 December 2023</p>

		Warranty is limited to 12 month from installation date.
G12 (Water supplies)		
G12.3.2	G12.3.2 A potable water supply system shall be– (a) protected from contamination; and (b) installed in a manner which avoids the likelihood of contamination within the system and the water main; and (c) installed using components that will not contaminate the water.	Esse SAB polyethylene pipe fittings has a variety of international product certifications, including WaterMark. All Esse SAB polyethylene pipe fittings are designed, manufactured and inspected/tested, that are WaterMark certified, are subject to contamination of water testing (AS/NZS 4020, where applicable). Where products are WaterMarked, this will include compliance with AS/NZS 4020 as mentioned in AS1.
G12.3.7	G12.3.7 Water supply systems must be installed in a manner that– (a) pipes water to sanitary fixtures and sanitary appliances flow rates that are adequate for the correct functioning of those fixtures and appliances under normal conditions; and (b) avoids the likelihood of leakage; and (c) allows reasonable access to components likely to need maintenance; and (d) allows the system and any backflow prevention devices to be isolated for testing and maintenance.	All Esse SAB polyethylene pipe fittings are designed, manufactured and inspected/tested, that are WaterMark certified, are subject to flow rates testing that is within the limitation set by the AS/NZS 3500 (NZBC) and the WELS regulations.

NOTE Re WaterMark

WaterMark is not compulsory for the New Zealand market. The products listed in these WaterMark certificates, as shown below.

It must be noted that all Esse SAB products complies with the various requirements as stated above for the NZBC.

Products supplied into the New Zealand market might not be listed on these certificates but can be imported and used within the New Zealand building industry.

Document type	Revision	Revision date
Product Technical Specification & BPIR Esse SAB polyethylene pipe fittings	v 1	5 December 2023

Refer WaterMark certificate and schedule of products

WM 01765 to AS/NZS 4129:2008 Fittings for use with polyethylene pipes for pressure applications
[WM Certificate | WaterMark \(abcb.gov.au\)](#)

See Appendix 2

[Design, construction and installation instructions](#)

[Installation Instructions](#)

Esse SAB polyethylene pipe fittings installation is to be done by registered plumbers. Installation Instructions are supplied with the product.

For an example of an Installation Instructions, see Appendix 3.

Please refer: [Resources - SAB spa](#)

[Maintenance requirements](#)

Service/cleaning instructions are available for download as mentioned above for all Esse SAB polyethylene pipe fittings.

Please refer: [Resources - SAB spa](#)

[Warranty](#)

Esse SAB products carries a limited 12-month warranty.

Terms and conditions are in Appendix 4.

[Limitations](#)

Limitations and use are specified in the technical information sheets obtainable from the website and differs by product.

[Quality assurance](#)

The following certifications has been accredited to the product and/or manufacturer.

Esse SAB has a variety of certifications including:

- ISO 9001 Quality Management
- And many other international product performance and compliance certifications.

Refer Appendix 5 for some examples of these certifications.

Document type	Revision	Revision date
Product Technical Specification & BPIR Esse SAB polyethylene pipe fittings	v 1	5 December 2023

Product support

Product data available are as shown above in section: Technical Information, Installation Instructions, Maintenance Instructions.

Full product support can be found at:

HYDROFLOW DISTRIBUTORS LTD
221 Bush Road
Rosedale, Albany, North Shore
Auckland
Tel: +64 9 415 6151

Manufacturer

All Esse SAB products are manufactured by:

Via Salvo D' Acquisto - Zona Ind.le
61048 S. Angelo in Vado (PU) ITALY
Tel +39 0722 81 08 00
Fax +39 0722 81 01 58
sab@tubi.net

...and imported and distributed by Hydroflow.

Warnings and Bans

There is no warning or ban applicable on any Esse SAB products, subject to the Building Act 2004, Section 26.

Document type	Revision	Revision date
Product Technical Specification & BPIR Esse SAB polyethylene pipe fittings	v 1	5 December 2023

Appendix 1 – ISO 9001 certificate



Document type	Revision	Revision date
Product Technical Specification & BPIR Esse SAB polyethylene pipe fittings	v 1	5 December 2023

This is a translation of the certificate IT04/1066

The management system of

SAB S.p.A.

Via Salvo d'Acquisto - Zona Industriale 61048 S. Angelo in Vado (PU) Italy

has been assessed and certified as meeting the requirements of
ISO 9001:2015

For the following activities

Design and manufacturing of plastic material fittings for water and gas pipeline. Manufacturing of system for collecting rain water and plastic grids for outside paving. Manufacturing and trading of technical items for irrigation.

IAF Sector: 14

This certificate is valid from 17 November 2022 until 02 November 2025 and remains valid subject to satisfactory surveillance audits.
Issue 9. Certified since 02 November 2004.

Last certificate expiry date 02 November 2022.
Recertification audit date 14 November 2022.



Authorised by
Paola Santarelli

SGS ITALIA S.p.A.
Via Caldera, 21 20153 MILANO - Italy
t + 39 02 73 93 1 - www.sgs.com



SGQ N° 0015 A

Membro degli Accordi di Mutuo
Riconoscimento EA, IAF e ILAC
Signatory of EA, IAF and ILAC Mutual
Recognition Agreements

This document is an authentic electronic certificate for Client business purposes use only. Printed version of the electronic certificate are permitted and will be considered as a copy. This document is issued by the Company subject to SGS General Conditions of certification services available on [Terms and Conditions](#) | SGS. Attention is drawn to the limitation of liability, indemnification and jurisdictional clauses contained therein. This document is copyright protected and any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful.



Appendix 2 – WaterMark certificates

WM 01765 to AS/NZS 4129:2008 Fittings for use with polyethylene pipes for pressure applications



Document type	Revision	Revision date
Product Technical Specification & BPIR Esse SAB polyethylene pipe fittings	v 1	5 December 2023



WaterMark

Certificate of Conformity

Australian Certification Services Pty Ltd grants to the WaterMark Approved User:

SAB S.p.A.

Trading as SAB S.p.A.

the right to use the WaterMark as shown above in conjunction with the Certificate No. on product/s as identified in the WaterMark Schedule and as listed on the WaterMark database www.abcb.gov.au/Product-Certification/WaterMark-Certification-Scheme which have been shown to comply with the appropriate Applicable Specification referred to below and as amended from time to time. The WaterMark User is granted a licence to use the WaterMark subject to the rules governing the use of the WaterMark.

Product Type: Fittings for use with Polyethylene (PE) Pipe to AS/NZS 4130
Product Use: Water Supply
Brand: SAB/Supreme/PLASSICOM/AVK - Pentomech
Certification Specification/s: AS/NZS 4129:2008 Fittings for use with polyethylene (PE) pipes for pressure applications
Conditions or Limitations: To be installed in accordance with Plumbing Code of Australia (PCA)

Issue Date: 22nd May 2020
Initial Issue Date: 20th October 2015
Expiry Date: 10th January 2024

Paul Greig
General Manager

Certificate No.: 1765

This Certificate is issued by a JAS-ANZ accredited certification body. The ABCB and JAS-ANZ do not in any way warrant, guarantee or represent that the product the subject of this Certificate conforms to the WaterMark Certification Scheme Rules, nor accepts any liability arising out of the use of the product. The ABCB disclaims to the extent permitted by law, all liability (including negligence) for claims of losses, expenses, damages and costs arising as a result of the use of the product(s) referred to in this Certificate. The WaterMark Certification Scheme is a conformity assessment scheme based on ISO/IEC 17067. This Certificate may only be reproduced in its entirety



Appendix 3 – Example of installation instructions



Document type	Revision	Revision date
Product Technical Specification & BPIR Esse SAB polyethylene pipe fittings	v 1	5 December 2023



Cut the pipe square, remove burrs.

Undo the nut to the last thread.

Leave the nut on the fitting while inserting the pipe.

Lubrication and chamfering of the pipe end will ease insertion of the pipe.



Twist the pipe into the fitting through the Blueseal to the pipe stop.

Tighten the nut firmly.

Use a wrench for final tightening of sizes 40 and above.



The nut should be screwed tightly, however there is no need for the nut to actually meet the body shoulder.

Appendix 4 – Terms and conditions



Document type	Revision	Revision date
Product Technical Specification & BPIR Esse SAB polyethylene pipe fittings	v 1	5 December 2023

SAB S.p.A. Condizioni generali di vendita	SAB S.p.A. General sales conditions	SAB S.p.A. Conditions générales de vente
<p>1. CONTRATTO: Con la sottoscrizione del presente contratto, il committente conferisce alla SAB S.p.A. l'ordine irrevocabile di fornitura. La vendita si intende perfezionata al momento dell'accettazione del presente contratto. Eventuali variazioni dovranno essere comunicate ed autorizzate in modo scritto dalla Direzione Commerciale.</p>	<p>1. CONTRACT: by signing the contract herewith the Buyer appoints SAB S.p.A. to carry out the irrevocable purchase order. The sale is intended as complete at the time of the acceptance of the present contract. Any possible change shall be communicated and authorized in writing by the SAB S.p.A. head office.</p>	<p>1. CONTRAT : en signant le contrat, l'acheteur désigne SAB S.p.A. pour exécuter le bon de commande irrévocable. La vente est considérée comme conclue au moment de l'acceptation du présent contrat. Toute modification éventuelle doit être communiquée et autorisée par écrit par le siège social de la société SAB S.p.A.</p>
<p>2. PREZZO: Il prezzo corrispettivo della fornitura è quello indicato analiticamente nel presente contratto. I prezzi si intendono fissi ed invariabili e quindi confermati fino ai 30 giorni successivi alla data della conferma d'ordine per ritiri e/o consegne effettuati entro tale termine, salvo diversamente pattuito. Dopo tale termine e/o per consegne superiori ai 30 giorni SAB S.p.A. si riserva esclusivamente la facoltà di procedere nella fornitura, dando corso ad eventuale revisione dei prezzi pattuiti, in base all'aumento del costo di materiali, energia, servizi e manodopera.</p>	<p>2. PRICES: The corresponding price for the supply is the one indicated analytically in this contract. The prices are fixed and invariable and, therefore, confirmed for up to 30 days after the date of order confirmation providing that the collections and/or deliveries are made within this term, unless otherwise agreed. After this deadline and/or for deliveries made after 30 days, SAB S.p.A. reserves the exclusive right to proceed with the supply, carrying out any potential revision of the agreed prices, based on the increase in the materials, energy, services and labor costs.</p>	<p>2. PRIX : Le prix payé pour la fourniture est le prix indiqué en détail dans le présent contrat. Les prix sont considérés comme fixes et invariables et sont donc confirmés jusqu'à 30 jours après la date de confirmation de la commande pour les enlèvements et/ou les livraisons effectués dans ce délai, sauf accord contraire. Passé ce délai et/ou pour les livraisons effectuées après 30 jours, SAB S.p.A. se réserve le droit exclusif de procéder à l'envoi de la marchandise, en effectuant si nécessaire, une révision des prix convenus, sur la base de l'augmentation des prix des matériaux, de l'énergie, des services et de la main-d'œuvre.</p>
<p>3. TRASPORTO E IMBALLAGGIO: La resa della merce si intende sempre "franco ns. stabilimento", salva diversa pattuizione scritta nelle note del presente contratto e previa autorizzazione della Direzione Commerciale. L'imballo viene fornito dalla SAB S.p.A. gratuitamente, ad eccezione di richieste particolari in gabbie o casse di legno nel qual caso le spese sono a carico dell'acquirente. La merce viaggia sempre a rischio e pericolo del Cliente anche se venduta in porto franco e trasportata con nostri mezzi.</p>	<p>3. SHIPMENT AND PACKAGING: Delivery of goods is always intended as "ex-works", except for different written agreement specified in the notes of the contract herewith and prior to head office authorization. Packaging is supplied by SAB S.p.A., except for particular requests of cages or wood cases where all expenses are charged to the Buyer. The goods are always sent at the Buyer's risk even if sold free destination and shipped by our own carrier.</p>	<p>3. EXPEDITION ET EMBALLAGE : La livraison des marchandises s'entend toujours "départ usine". La livraison "franco destination" n'est pas autorisée, sauf accord écrit différent spécifié dans les notes du contrat ci-joint et préalable à l'autorisation du siège social. Les emballages sont fournis par SAB S.p.A., à l'exception des demandes particulières de cages ou de caisses en bois où tous les frais sont à la charge de l'acheteur. Les marchandises sont toujours expédiées aux risques et périls de l'acheteur même si elles sont vendues franco destination et expédiées par notre propre transporteur.</p>
<p>4. TERMINI DI CONSEGNA: I termini di consegna inseriti nel presente contratto sono indicativi, SAB S.p.A. non si assume alcuna responsabilità per danni diretti e/o indiretti causati da ritardi nella consegna della merce. I termini di consegna si intendono inoltre prorogati a causa di tardive definizioni o variazioni dell'ordine stesso. Il tempo di proroga dipenderà comunque da una preventiva analisi della situazione produttiva.</p>	<p>4. DELIVERY TERMS: The delivery terms included in the contract herewith are indicative, SAB S.p.A. is free from any responsibility for direct and/or indirect damage resulting from delayed delivery of the goods. Furthermore, the delivery terms are intended postponed because of late definitions or changes of the purchaser order itself. The extension of the due date shall depend on a forecasted analysis of the production situation.</p>	<p>4. DELAIS DE LIVRAISON : Les délais de livraison figurant dans le contrat ci-joint sont donnés à titre indicatif, SAB S.p.A. se dégage de toute responsabilité pour tout dommage direct et/ou indirect résultant d'un retard de livraison de la marchandise. En outre, les délais de livraison sont destinés à être reportés en raison de définitions tardives ou de modifications de la commande de l'acheteur elle-même. La prolongation de la date d'échéance dépend d'une analyse prévisionnelle de la situation de la production.</p>

<p>5. FATTURAZIONE: La fattura che SAB S.p.A. emetterà a carico del committente dovrà essere intestata come da ordine e verrà emessa secondo la normativa fiscale vigente. Il Cliente darà tempestivamente comunicazione scritta per ogni variazione che possa modificare i dati in possesso di SAB S.p.A. e ciò prima dell'emissione della fattura medesima.</p>	<p>5. INVOICING: The invoice that SAB S.p.A. will issue to the Buyer shall be headed as stated in the Purchase Order and shall comply with the tax regulations in force. The Customer shall give SAB S.p.A. a timely written communication of any changes that could modify data in SAB S.p.A. possession and before issuing the invoice.</p>	<p>5. FACTURATION : La facture que SAB S.p.A. émettra à l'acheteur aura le titre indiqué dans le bon de commande et devra être conforme à la réglementation fiscale en vigueur. Le client s'engage à informer SAB S.p.A. par écrit et en temps utile de tout changement susceptible de modifier les données en sa possession et avant l'émission de la facture.</p>
<p>6. CONDIZIONI E TERMINI DI PAGAMENTO: I pagamenti dovranno essere effettuati, franchi di ogni spesa, al domicilio SAB S.p.A., nei tempi e con le modalità stabilite nel presente contratto. Non saranno riconosciuti i pagamenti effettuati a persone non direttamente autorizzate per iscritto dalla SAB S.p.A. Per ritardato pagamento decorrono gli interessi al tasso B.C.E. aumentato di 7 punti percentuali, (ex Art. 5 D.LGS. 231/02). SAB S.p.A. si riserva la facoltà di sospendere la fornitura qualora il committente non rispetti i termini di pagamento convenuti nel contratto. La proprietà della merce venduta si trasferisce al cliente solamente al momento del totale pagamento di essa.</p>	<p>6. PAYMENT TERMS AND CONDITIONS: Payments shall be made, free of any costs, to the head-office of SAB S.p.A., within the terms and conditions agreed upon. Any payments made to people that are not directly authorized in writing by SAB S.p.A. will not be accepted. In case of delayed payment on the due date, the Buyer shall have to pay interest at the current legal E.B.C rate (plus 7 percentage points) (ex Art. 5 LGS D. 231/02). SAB S.p.A. reserves the right to suspend the supply whenever the Buyer does not respect the terms of payment agreed upon. The ownership of the goods sold is transferred to the Customer only at the time of their full payment.</p>	<p>6. CONDITIONS DE PAIEMENT : Les paiements seront effectués, sans frais, au siège social de SAB S.p.A., dans les termes et conditions convenus. Les paiements effectués à des personnes qui ne sont pas directement autorisées par écrit par SAB S.p.A. ne seront pas acceptés. En cas de retard de paiement à l'échéance, l'acheteur devra payer des intérêts au taux légal en vigueur de la CBE (7% supplémentaires) (ex Art. 5 LGS D. 231/02). SAB S.p.A. se réserve le droit de suspendre la fourniture si l'acheteur ne respecte pas les conditions de paiement convenues. La propriété des marchandises vendues n'est transférée au client qu'au moment de leur paiement intégral.</p>
<p>7. AFFIDAMENTO: Nel caso i pagamenti concordati non siano anticipatamente o contestualmente alla consegna della merce al Cliente verrà concesso un fido da parte della nostra assicurazione del credito, al raggiungimento del quale la SAB S.p.A. si riserva il diritto di procedere alle forniture solo ed esclusivamente con pagamenti garantiti, da concordare al momento.</p>	<p>7. ENTRUSTING: When the Customer is not required to pay in advance or on delivery upon prior mutual agreement, he will be granted a coverage by our insurance company, at the reception of which SAB S.p.A. reserves the right to carry out the Purchase Order solely upon guaranteed payments, to be agreed at the moment of the supply.</p>	<p>7. CONFIANCE : Lorsque le client n'est pas tenu de payer à l'avance ou à la livraison après accord mutuel préalable, il bénéficie d'une couverture de notre compagnie d'assurance, à la réception de laquelle SAB S.p.A. se réserve le droit d'exécuter la commande uniquement sur paiement garanti, à convenir lors de la fourniture.</p>
<p>8. CESSIONE DEL CREDITO: Il presente ordine non è cedibile e si conviene espressamente che il credito derivante dalla presente fornitura non potrà essere oggetto di cessione o di delegazione sotto qualsiasi forma, se non previa valutazione e autorizzazione scritta della SAB S.p.A.</p>	<p>8. ASSIGNMENT OF A CREDIT: The Purchase Order hereby cannot be assigned to others and it is expressly agreed that the credit issuing from the above-mentioned supply will not be subject to assignment or transfer of any kind, if there is no prior evaluation or written authorization by SAB S.p.A.</p>	<p>8. CESSION DU CREDIT : Le bon de commande ne peut être cédé à des tiers et il est expressément convenu que le crédit résultant de la fourniture susmentionnée ne fera l'objet d'aucune cession ou transfert de quelque nature que ce soit, sauf évaluation ou autorisation écrite préalable par SAB S.p.A.</p>
<p>9. GARANZIE: Ogni prodotto della SAB S.p.A. è corredato di certificati tecnici in conformità alle normative vigenti ed è garantito dalla medesima per 12 mesi a far data dalla consegna della merce risultante dalla bolla di accompagnamento. Per garanzia si intende la sostituzione gratuita del prodotto, escluso il costo per la rimozione dello stesso, che ad insindacabile giudizio della SAB S.p.A. risulta difettoso all'origine per vizi di</p>	<p>9. WARRANTY: SAB S.p.A. products supplied with technical certificates complying with the regulations in force, are guaranteed 12 months starting from the date of delivery of goods, appearing in the packing list. By warranty SAB S.p.A. means the replacement of the product, costs of removal excluded, that according to SAB's firm opinion identifying manufacturing or material defects. The warranty does not extend</p>	<p>9. GARANTIE : Les produits SAB S.p.A. fournis avec des certificats techniques conformes à la réglementation en vigueur, sont garantis pour 12 mois à partir de la date de livraison des marchandises, figurant sur la liste d'emballage. Par garantie, SAB S.p.A. entend le remplacement du produit, à l'exclusion des frais d'enlèvement, que, selon l'opinion ferme de SAB, tout défaut de fabrication ou de matériel résultant d'une négligence, d'un manque</p>

fabbricazione o di materiali. Sono esenti da copertura di garanzia tutti i prodotti che dovessero risultare difettosi a causa di imprudenza, imperizia, negligenza nell'uso dei materiali, o per errata installazione o manutenzione operata da persone non qualificate e autorizzate, per danni derivanti da circostanze che, comunque, non possono essere fatte risalire a difetti di fabbricazione. Il committente decade dal diritto della garanzia se non denuncia con descrizione dettagliata a mezzo raccomandata AR i vizi e i difetti della merce della ditta venditrice entro 8 giorni dalla scoperta. In caso di riconoscimento di difetti di cui alla denuncia, la SAB S.p.A. procederà alla sostituzione nel più breve tempo possibile, senza che il Cliente possa sospendere i pagamenti in corso. L'eventuale sostituzione non comporta l'estensione o il rinnovo delle condizioni di garanzia. Anche l'eventuale ammanco di merce deve essere denunciato dal Cliente, all'atto del ricevimento, inserendo il relativo reclamo nel D.d.T. di consegna da restituire alla SAB S.p.A.

10. FORZA MAGGIORE: Il Produttore potrà sospendere l'esecuzione dei suoi obblighi derivanti da ciascuno specifico Contratto di Compravendita quando tale esecuzione sia resa impossibile o oggettivamente troppo onerosa da una circostanza imprevedibile indipendente dalla sua volontà. In tali eventualità il termine per l'esecuzione della fornitura verrà prorogato per un periodo uguale alla durata dell'evento di forza maggiore. Qualora l'impedimento perduri per un termine superiore a 90 (novanta) giorni il Produttore potrà recedere dallo specifico Contratto di Compravendita dandone comunicazione scritta all'altra parte. A puro fine esemplificativo le Parti riconoscono che per il Produttore costituirà Forza Maggiore il verificarsi di situazioni quali guerre, incendi, terremoti, inondazioni, tsunami, scioperi, difficoltà insorte con la forza lavoro, scarsità o difficoltà di approvvigionamento di materie prime, restrizioni all'uso di energia, sospensione o difficoltà nei trasporti, guasti agli impianti, atti della pubblica autorità o a qualsiasi altra situazione che non possa essere ragionevolmente prevista o alla quale il Produttore non possa porre rimedio tramite l'ordinaria diligenza.

to defects resulting from carelessness, inexperience, wrong or improper use, inappropriate installation or maintenance effected by unqualified or non-authorized personnel, damages resulting from circumstances that cannot be linked to manufacturing defects. The warranty shall cease to have effect if the Buyer does not declare in a detailed description by registered mail the defects of the products of the Seller within 8 days from the day of discovery. The apparent acknowledgement of defects, SAB S.p.A. will carry out the replacement, so that the Buyer will not cancel the payment in progress. Any replacement shall not involve the extension or the renewal of the warranty conditions. Any shortage of goods has to be claimed by the Customer at the time of its reception, by attaching the claim in question to the delivery note to be returned to SAB S.p.A.

10. FORCE MAJEUR: The Manufacturer can suspend the execution of his obligations arising from each specific Purchase Agreement when the execution results impossible or objectively too burdensome by an unforeseeable circumstance beyond his control. In such cases, the deadline for the execution of the supply will be extended by a period equal to the duration of the force majeure event. If the impediment lasts for a period exceeding 90 (ninety) days, the Manufacturer may withdraw from the specific Purchase Agreement by giving written notice to the other party. For example, the Parties acknowledge that it will be considered as force majeure for the Manufacturer the occurrence of situations such as wars, fires, earthquakes, floods, tsunamis, strikes, difficulties arising with the workforce, shortage or difficulties in the supply of raw materials, restrictions in the use of energy, suspension or transport difficulties, plant breakdowns, public authority acts or any other situation that cannot be reasonably foreseen or which the Manufacturer cannot remedy through ordinary diligence.

d'expérience, d'une utilisation incorrecte ou inappropriée, d'une installation ou d'un entretien non conforme ou non autorisé, de dommages résultant de circonstances non liées à un défaut de fabrication. La garantie cessera d'avoir effet si l'acheteur ne déclare pas dans une description détaillée par lettre recommandée les défauts des produits du vendeur dans les 8 jours suivant le jour de la découverte. La reconnaissance apparente des défauts, SAB S.p.A. effectuera le remplacement, afin que l'acheteur n'annule pas le paiement en cours. Tout remplacement n'entraîne pas la prolongation ou le renouvellement des conditions de garantie. Tout manquant doit être réclamé par le client au moment de sa réception, en joignant la réclamation en question au bon de livraison à retourner à SAB S.p.A.

10. FORCE MAJEUR: Le Producteur pourra suspendre l'exécution de ses obligations découlant de chaque Contrat de Vente spécifique lorsque cette exécution est rendue impossible ou objectivement trop coûteuse par une circonstance imprévisible et indépendante de sa volonté. Dans ce cas, le délai d'exécution de l'envoi de la marchandise est prolongé d'une période égale à la durée du cas de force majeure. Si l'empêchement prolonge pour une durée supérieure à 90 (quatre-vingt-dix) jours, le Producteur pourra se retirer du Contrat de Vente spécifique en le communiquant par écrit à l'autre partie. Par exemple, les Parties reconnaissent que pour le Producteur sera considéré comme Force Majeure la survenance de situations telles que guerres, incendies, tremblements de terre, inondations, tsunamis, grèves, difficultés de la main d'œuvre, pénurie ou difficulté d'approvisionnement en matières premières, restrictions dans l'utilisation de l'énergie, suspension ou difficultés dans les transports, pannes des usines, actes de l'autorité publique ou toute autre situation qui ne peut être raisonnablement prévue ou à laquelle le Producteur ne peut remédier par une diligence ordinaire.

<p>11. LIMITAZIONE DI RESPONSABILITA' DELLA DITTA VENDITRICE: La SAB S.p.A. declina ogni responsabilità per eventuali danni che possono direttamente o indirettamente derivare a persone o a cose in conseguenza dell'errata installazione, utilizzo e manutenzione dei prodotti venduti.</p> <p>12. FORO COMPETENTE: Per qualsiasi controversia derivante dall'interpretazione e/o esecuzione delle presenti condizioni generali di vendita è stabilita l'esclusiva competenza del Tribunale di Urbino.</p> <p>13. RESI MERCE: I prodotti di fabbricazione speciale venduti da SAB S.p.A. non saranno né ripresi né scambiati. I prodotti cosiddetti "standard" saranno ripresi con un abbattimento del 20% del prezzo di vendita, e solo a seguito di previo consenso scritto da parte di SAB S.p.A. In ogni caso il trasporto di ritorno sarà a carico del cliente.</p> <p>Ai sensi e per gli effetti degli artt. 1341 e 1342 del Cod. Civ. italiano si dichiara di approvare espressamente e specificatamente le clausole di cui ai punti 1, 2, 3, 4, 6, 9, 10, 11, 12.</p> <p style="text-align: center;">SAB S.p.A.</p>	<p>11. LIMITATION OF LIABILITY OF THE SELLER: SAB S.p.A. refuses all responsibility for any damage that may directly or indirectly involve people or things resulting from wrong installation, improper use or maintenance of the products in question.</p> <p>12. GOVERNING LAW AND JURISDICTION: For any dispute arising from the wrong interpretation and/or execution of general sale conditions herewith, the sole court of competence shall be the Tribunal of Urbino, Italy.</p> <p>13. RETURNED GOODS: The customized products sold by SAB S.p.A. will not be taken back or exchanged. Standard products will be taken back with a reduction of 20% of the sale price, and only following prior written consent from SAB S.p.A. In any case, return freight charges will be on account of the customer.</p> <p>According to art. 1341 and 1342 of the Italian Civil Code, it is expressly and specifically approved as per clauses at points 1, 2, 3, 4, 6, 9, 10, 11, 12.</p> <p style="text-align: center;">SAB S.p.A.</p>	<p>11. LIMITATION DE RESPONSABILITE DU VENDEUR : SAB S.p.A. décline toute responsabilité pour tout dommage pouvant directement ou indirectement impliquer des personnes ou des choses résultant d'une mauvaise installation, d'une mauvaise utilisation ou d'un mauvais entretien des produits en question.</p> <p>12. DROIT APPLICABLE ET JURISDICTION COMPETENTE : pour tout litige résultant d'une mauvaise interprétation et/ou exécution des présentes conditions générales de vente, le tribunal compétent est celui d'Urbino, Italie.</p> <p>13. MARCHANDISES RETOURNEES : Les produits de fabrication spéciales vendus par la société SAB S.p.A. ne seront ni repris ni échangés. Les produits dit "standards" seront repris avec une décote de 20% suite à l'accord préalable de la société SAB S.p.A. Dans ce cas, le transport de retour sera à la charge du client.</p> <p>En vertu et pour les effets des articles 1341 et 1342 du code civil Italien, on déclare approuver explicitement et précisément les clauses visées aux points 1, 2, 3, 4, 6, 9, 10, 11, 12.</p> <p style="text-align: center;">SAB S.p.A.</p>
--	---	--

Appendix 5 – Examples of other international certifications



Document type	Revision	Revision date
Product Technical Specification & BPIR Esse SAB polyethylene pipe fittings	v 1	5 December 2023



CERT

DVGW type examination certificate

DVGW-Baumusterprüfzertifikat

DW-8616BT0673

Registration Number
Registriernummer

Field of Application <i>Anwendungsbereich</i>	products of water supply <i>Produkte der Wasserversorgung</i>
Owner of Certificate <i>Zertifikatinhaber</i>	SAB s.p.a. Via Salvo d'Acquisto, Z.I., I-61048 S.Angelo in Vado (PU)
Distributor <i>Vertreiber</i>	SAB s.p.a. Via Salvo d'Acquisto, Z.I., I-61048 S.Angelo in Vado (PU)
Product Category <i>Produktart</i>	plastic fittings and compression fittings: plastic compression fitting for PE pipes (8616)
Product Description <i>Produktbezeichnung</i>	plastic compression fitting for PE pipes manufacturing group 15
Model <i>Modell</i>	SAB Blueseal16
Test Reports <i>Prüfberichte</i>	laboratory control test: 1801828-6049-1 from 08.01.2018 (OFM) type testing: 406.144 from 21.03.2013 (OFM) UBA-Guideline: KA 0205/16 from 19.10.2016 (TZW) hygienic testing: MO 158/16 from 05.12.2016 (TZW) UBA-Guideline: 419.111/1H from 11.07.2016 (ÖFI) hygienic testing: MO 080/17 from 19.09.2017 (TZW)
Test Basis <i>Prüfgrundlagen</i>	DVGW GW 335-B3/(P) (01.09.2011) UBA ELASTOM (16.03.2016) UBA KTW (07.03.2016) DVGW W 270 (01.11.2007)
Date of Expiry / File No. <i>Ablaufdatum / Aktenzeichen</i>	14.04.2024 / 19-0063-WNV

70028-04-A-DE

22.03.2019 Fk A-1/2

Date, Issued by, Sheet, Head of Certification Body
Datum, Bearbeiter, Blatt, Leiter der Zertifizierungsstelle

DVGW CERT GmbH is an accredited body by DAkkS according to DIN EN ISO/IEC 17065:2013 for certification of products for energy and water supply industry.

DVGW CERT GmbH ist von der DAkkS nach DIN EN ISO/IEC 17065:2013 akkreditierte Stelle für die Zertifizierung von Produkten der Energie- und Wasserversorgung.



Deutsche
Akkreditierungsstelle
D-ZE-16028-01-05

DVGW CERT GmbH
Zertifizierungsstelle

Josef-Wirmer-Str. 1-3
53123 Bonn

Tel. +49 228 91 88 - 888
Fax +49 228 91 88 - 993

www.dvgw-cert.com
info@dvgw-cert.com

Type <i>Typ</i>	Technical Data <i>Technische Daten</i>	Remarks <i>Bemerkungen</i>
SAB Blueseal16	nominal diameter: 75 mm	pressure rating: PN 10
SAB Blueseal16	nominal diameter: 90 mm	pressure rating: PN 10
SAB Blueseal16	nominal diameter: 110 mm	pressure rating: PN 10

certified Components***zertifizierte Bauteile / Werkstoffe***

Registr. No. <i>Registr.-Nr.</i>	Component <i>Bauteil (Produktart)</i>	Model/Type <i>Modell/Typ</i>	Manufacturer <i>Hersteller</i>
DW-5253BQ0577	sealing material for drinking water installations	01/U70 EP/01/U70 EP	LAV.EL GOMMA S.r.l.

Hints of Utilization / Remarks***Verwendungshinweise / Bemerkungen***

Self-sealing plastic-threads are not part of this certification.





This certifies that

SAB SPA

has had the undermentioned product examined, tested and found, when correctly installed, to comply with the requirements of the United Kingdom Water Supply (Water Fittings) Regulations and Scottish Water Byelaws.

S16 UF KIT (15MM - 21MM, 21MM - 27MM & 27MM - 35MM) RANGE OF COMPRESSION ADAPTOR FITTINGS FOR USE WITH GALVANISED STEEL PIPE TO (MANUFACTURED TO EN 10255)

The certificate by itself is not evidence of a valid WRAS Approval. Confirmation of the current status of an approval must be obtained from the WRAS Directory (www.wras.co.uk/directory)

The product so mentioned will be valid until the end of:

October 2023

1810338

Certificate No.

A handwritten signature in black ink, appearing to read 'J. Furnival'.

Secretary

A handwritten signature in black ink, consisting of several vertical strokes followed by a horizontal line.

Chairman, Product Assessment Group



Product certificate K12468/07

Issued 2019-10-01

Replaces K12468/06

Page 1 of 3

PP clamp fittings Blueseal 16

STATEMENT BY KIWA

With this product certificate, issued in accordance with the Kiwa Regulations for Certification, Kiwa declares that legitimate confidence exists that the products supplied by

SAB S.p.A.

as specified in this product certificate and marked with the Kiwa®-mark in the manner as indicated in this product certificate may, on delivery, be relied upon to comply with Kiwa evaluation guideline BRL-K17105 "kunststof leidingsystemen van PE voor transport van drinkwater en ruw water" dated 03-10-2017.

Ronald Karel
Kiwa

289180711

Publication of this certificate is allowed.

Advice: consult www.kiwa.nl in order to ensure that this certificate is still valid.

Kiwa Nederland B.V.

Sir Winston Churchillaan 273
Postbus 70
2280 AB RIJSWIJK
The Netherlands
Tel. +31 88 998 44 00
Fax +31 88 998 44 20
info@kiwa.nl
www.kiwa.nl

Company

SAB S.p.A.
Via Salvo D'Acquisto - zona ind.le
61048 S. ANGELO IN VADO
Italy
Tel. +39 0722 810 000
sab@tubi.net
www.tubi.net



Certification process
consists of initial and
regular assessment of:

- quality system
- product