

BUILDING PRODUCT INFORMATION SHEET

Product name: Hydroflow Lead-Free Flexible Connectors

Product identifier:

Barcode	Brand	SKU	Description
9421908101193	Hydroflow	PEF8-15FE150LF	Lead Free Flexi Hose c/w Elbow 15 x150mm 8b
9421908101186	Hydroflow	PEF8-15FE200LF	Lead Free Flexi Hose c/w Elbow 15 x 200mm 8b
9421908101179	Hydroflow	PEF8-15FE300LF	Lead Free Flexi Hose c/w Elbow 15 x 300mm 8b
9421908101162	Hydroflow	PEF8-15FE400LF	Lead Free Flexi Hose c/w Elbow 15 x 400mm 8b
9421908101148	Hydroflow	PEF8-15FE600LF	Lead Free Flexi Hose c/w Elbow 15 x 600mm 8b
9421908101131	Hydroflow	PEF8-15FF150LF	Lead Free Flexi Hose 15 x 150mm 8b
9421908101124	Hydroflow	PEF8-15FF200LF	Lead Free Flexi Hose 15 x 200mm 8b
9421908101100	Hydroflow	PEF8-15FF300LF	Lead Free Flexi Hose 15 x 300mm 8b
9421908101094	Hydroflow	PEF8-15FF400LF	Lead Free Flexi Hose 15 x 400mm 8b
9421908101070	Hydroflow	PEF8-15FF500LF	Lead Free Flexi Hose 15 x 500mm 8b
9421908101063	Hydroflow	PEF8-15FF600LF	Lead Free Flexi Hose 15 x 600mm 8b
9421908101056	Hydroflow	PEF8-15FF1000LF	Lead Free Flexi Hose 15 x 1000mm 8b
9421908101049	Hydroflow	PEF8-15FF1500LF	Lead Free Flexi Hose 15 x 1500mm 8b

Product description and its intended use:

Flexible braided stainless-steel connectors with EPDM inner tubing; used for water connection between plumbing fixtures and mains. Available in various custom lengths and connection diameters (e.g., ½” BSP female to ½” BSP female). Certified lead-free; intended for potable water supply systems.

Place of manufacture: Overseas

Legal name of the manufacturer(s): NINGBO HUAHUA SANITARYWARE CO LTD

Trading name of the manufacturer(s): GONGGONG SANITARYWARE FACTORY

Legal name of the importer (if applicable): HYDROFLOW DISTRIBUTORS LIMITED

New Zealand Business Number (NZBN): 9429000017411

Address for service: 221 Bush Road, Albany, Auckland 0632, New Zealand

Phone Number: +64 9 415 6151

Relevant Building Code clauses:

B2 (Durability) B2.3.1 (c)

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: (c) 5 years if: (i) The building elements (including services, linings, renewable protective coatings, and fixtures) are easy to access and

replace, and (ii) Failure of those building elements to comply with the building code would be easily detected during normal use of the building.

As part of a plumbing system for supply of cold, hot or mixed water temperatures and gas (plumbing) distribution systems. These products can be used in residential and/or commercial buildings where cold, hot or mixed water temperatures water is required gas (plumbing) distribution to be supplied. Not suitable for use in areas which are being permanently concealed such as behind concrete. Maintenance required is shown in the Maintenance and Installation Instructions. Proof of durability– Service history flexible hose products have been manufactured and supplied worldwide. Warranty calls are at a minimum and within the quality principles of flexible connectors. All Warranty claims are investigated, and corrective/preventive actions are implemented.

Products that are WaterMark certified are subject to various performance testing, including endurance.

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.

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.

Flexible hose connectors products has a variety of international product certifications, including WaterMark. All Flexible hose connectors products 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. Flexible hose connectors gas products are also registered with the AGA (in Australia) All Flexible hose connectors products 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).

Statement on how the building product is expected to contribute to compliance:

- Manufactured to meet AS/NZS 3499 and AS/NZS 4020 standards.
- Complies with WaterMark certification.
- Lead-free per NSF 61/NSF 372.
- EPDM tube, 316 stainless braid,
- DZR brass fittings. Used in potable water connections

Limitations on the use of the building product: Not for gas systems or external UV-exposed use. Avoid kinking or overbending

Design requirements that would support the use of the building product: Correct thread sizing, use with isolation valves, adequate support to prevent strain.

Installation requirements Licensed plumber installation, avoid overtightening, no tension.

Maintenance requirements Annual inspection for leaks or wear. Replace every 5–10 years.

IAPMO OCEANIA

7-11 Fullard Road, Narre Warren, Victoria 3805, Australia /info@iapmooceania.org



IAPMO Oceania is a product certification body which inspects and arranges for the independent laboratory testing of samples taken from the manufacturer's stock or from the market or a combination of both, to verify compliance of the requirements of applicable Standards and Specifications. This activity is coupled with periodic surveillance of the manufacturer's factory and any major subcontractor's site/s as well as the assessment of the manufacturer's Quality Assurance System. This certification is subject to the conditions set forth in the characteristics below and is not to be construed as any recommendation, assurance or guarantee by IAPMO R&T Oceania of the product acceptance by Authorities Having Jurisdiction.

WATERMARK LICENCE

Single Scheme LF

IAPMO Oceania hereby grants to:

Hydroflow Distributors (Aust) Pty Ltd

A.B.N.: 78-161-169-482

24 Harcourt Road, Altona, VIC 3018 Australia

Email: david@hydroflowaus.com.au

the right to use the WaterMark in accordance with the ABCB Manual for the WaterMark Certification Scheme;— Australian Standards; WaterMark Technical Specifications; and the Plumbing Code of Australia; only in respect of the certified product as described in the WaterMark Certificate of Conformity – Schedule of Certified Product (Refer also IAPMO Product Listing Directory). The Certificate is granted subject to the rules governing the WaterMark Certification Scheme and the Terms and Conditions of the Approved User Agreement and IAPMO Oceania's WaterMark Governance Rules.

Evaluated to:

AS 3499:2022

Water supply - Flexible hose assemblies

Manufacturer:

Refer to Licence Holder

Licence No.: WM-032132

First Certified: 04 Apr 2024

Certification Date: 18 Jul 2024

Expiry Date: 03 Apr 2029

David Viola
Chief Executive Officer of the IAPMO Group

This WaterMark certification is for the period indicated herein and is void after the date shown above. Any change in material, manufacturing process, marking or design without having first obtained the approval of IAPMO Oceania, or any evidence of non-compliance with applicable Standards, Specifications or of inferior workmanship, may be deemed sufficient cause for revocation of this certification. Reproduction of or reference to this certificate for advertising purposes may be made only by specific written permission of IAPMO Oceania. Any alteration of this certificate could be grounds for revocation of this certification.



WATERMARK SCHEDULE



Certificate Holder
Hydroflow Distributors (Aust) Pty Ltd

A.B.N.:78-161-169-482
24 Harcourt Road, Altona, VIC 3018 Australia

Manufacturer
Refer to Licence Holder

Standard
AS 3499:2022
Water supply - Flexible hose assemblies

Licence No. WM-032132

Certification Date: 18 Jul 2024

Expiry Date: 03 Apr 2029

First Certified: 04 Apr 2024

Brand Name	Model Name	Model ID	Product Type	Product Description	Nominal Size	End Connection	Class	Material	Operating Temperature	Lead Free Compliant
HYDROFLOW	HYDROFLOW	LFSSPEF8-15FE150	FLEXIBLE HOSE ASSEMBLY	150MM DN8 SS316 BRAIDED FLEXIBLE HOSE WITH ELBOW	DN8	G1/2 x G1/2	Class 2	PE-X Liner, SS316 Braid, CW511L End Connection	"L" - Low temperature (up to 70°C)	Yes
HYDROFLOW	HYDROFLOW	LFSSPEF8-15FE300	FLEXIBLE HOSE ASSEMBLY	300MM DN8 SS316 BRAIDED FLEXIBLE HOSE WITH ELBOW	DN8	G1/2 x G1/2	Class 2	PE-X Liner, SS316 Braid, CW511L End Connection	"L" - Low temperature (up to 70°C)	Yes
HYDROFLOW	HYDROFLOW	LFSSPEF8-15FE450	FLEXIBLE HOSE ASSEMBLY	450MM DN8 SS316 BRAIDED FLEXIBLE HOSE WITH ELBOW	DN8	G1/2 x G1/2	Class 2	PE-X Liner, SS316 Braid, CW511L End Connection	"L" - Low temperature (up to 70°C)	Yes
HYDROFLOW	HYDROFLOW	LFSSPEF8-15FE600	FLEXIBLE HOSE ASSEMBLY	600MM DN8 SS316 BRAIDED FLEXIBLE HOSE WITH ELBOW	DN8	G1/2 x G1/2	Class 2	PE-X Liner, SS316 Braid, CW511L End Connection	"L" - Low temperature (up to 70°C)	Yes
HYDROFLOW	HYDROFLOW	LFSSPEF8-15FF150	FLEXIBLE HOSE ASSEMBLY	150MM DN8 SS316 BRAIDED FLEXIBLE HOSE	DN8	G1/2 x G1/2	Class 2	PE-X Liner, SS316 Braid, CW511L End Connection	"L" - Low temperature (up to 70°C)	Yes
HYDROFLOW	HYDROFLOW	LFSSPEF8-15FF225	FLEXIBLE HOSE ASSEMBLY	225MM DN8 SS316 BRAIDED FLEXIBLE HOSE	DN8	G1/2 x G1/2	Class 2	PE-X Liner, SS316 Braid, CW511L End Connection	"L" - Low temperature (up to 70°C)	Yes
HYDROFLOW	HYDROFLOW	LFSSPEF8-15FF300	FLEXIBLE HOSE ASSEMBLY	300MM DN8 SS316 BRAIDED FLEXIBLE HOSE	DN8	G1/2 x G1/2	Class 2	PE-X Liner, SS316 Braid, CW511L End Connection	"L" - Low temperature (up to 70°C)	Yes
HYDROFLOW	HYDROFLOW	LFSSPEF8-15FF450	FLEXIBLE HOSE ASSEMBLY	450MM DN8 SS316 BRAIDED FLEXIBLE HOSE	DN8	G1/2 x G1/2	Class 2	PE-X Liner, SS316 Braid, CW511L End Connection	"L" - Low temperature (up to 70°C)	Yes
HYDROFLOW	HYDROFLOW	LFSSPEF8-15FF600	FLEXIBLE HOSE ASSEMBLY	600MM DN8 SS316 BRAIDED FLEXIBLE HOSE	DN8	G1/2 x G1/2	Class 2	PE-X Liner, SS316 Braid, CW511L End Connection	"L" - Low temperature (up to 70°C)	Yes
HYDROFLOW	HYDROFLOW	LFSSPEF8-15FF1000	FLEXIBLE HOSE ASSEMBLY	1000MM DN8 SS316 BRAIDED FLEXIBLE HOSE	DN8	G1/2 x G1/2	Class 2	PE-X Liner, SS316 Braid, CW511L End Connection	"L" - Low temperature (up to 70°C)	Yes
HYDROFLOW	HYDROFLOW	LFSSPEF8-15FF1500	FLEXIBLE HOSE ASSEMBLY	1500MM DN8 SS316 BRAIDED FLEXIBLE HOSE	DN8	G1/2 x G1/2	Class 2	PE-X Liner, SS316 Braid, CW511L End Connection	"L" - Low temperature (up to 70°C)	Yes

Brand Name	Model Name	Model ID	Product Type	Product Description	Nominal Size	End Connection	Class	Material	Operating Temperature	Lead Free Compliant
HYDROFLOW	HYDROFLOW	LFSSPEF8-15FM150P	FLEXIBLE HOSE ASSEMBLY	150MM DN8 SS316 BRAIDED FLEXIBLE HOSE	DN8	G1/2 x G1/2B	Class 2	PE-X Liner, SS316 Braid, CW511L End Connection	"L" - Low temperature (up to 70°C)	Yes
HYDROFLOW	HYDROFLOW	LFSSPEF8-15FM250P	FLEXIBLE HOSE ASSEMBLY	250MM DN8 SS316 BRAIDED FLEXIBLE HOSE	DN8	G1/2 x G1/2B	Class 2	PE-X Liner, SS316 Braid, CW511L End Connection	"L" - Low temperature (up to 70°C)	Yes
HYDROFLOW	HYDROFLOW	LFNPEF8-15FE150	FLEXIBLE HOSE ASSEMBLY	150MM DN8 NYLON BRAIDED FLEXIBLE HOSE WITH ELBOW	DN8	G1/2 x G1/2	Class 2	PE-X Liner, Nylon Braid, CW511L End Connection	"L" - Low temperature (up to 70°C)	Yes
HYDROFLOW	HYDROFLOW	LFNPEF8-15FE300	FLEXIBLE HOSE ASSEMBLY	300MM DN8 NYLON BRAIDED FLEXIBLE HOSE WITH ELBOW	DN8	G1/2 x G1/2	Class 2	PE-X Liner, Nylon Braid, CW511L End Connection	"L" - Low temperature (up to 70°C)	Yes
HYDROFLOW	HYDROFLOW	LFNPEF8-15FE450	FLEXIBLE HOSE ASSEMBLY	450MM DN8 NYLON BRAIDED FLEXIBLE HOSE WITH ELBOW	DN8	G1/2 x G1/2	Class 2	PE-X Liner, Nylon Braid, CW511L End Connection	"L" - Low temperature (up to 70°C)	Yes
HYDROFLOW	HYDROFLOW	LFNPEF8-15FE600	FLEXIBLE HOSE ASSEMBLY	600MM DN8 NYLON BRAIDED FLEXIBLE HOSE WITH ELBOW	DN8	G1/2 x G1/2	Class 2	PE-X Liner, Nylon Braid, CW511L End Connection	"L" - Low temperature (up to 70°C)	Yes
HYDROFLOW	HYDROFLOW	LFNPEF8-15FF150	FLEXIBLE HOSE ASSEMBLY	150MM DN8 NYLON BRAIDED FLEXIBLE HOSE	DN8	G1/2 x G1/2	Class 2	PE-X Liner, Nylon Braid, CW511L End Connection	"L" - Low temperature (up to 70°C)	Yes
HYDROFLOW	HYDROFLOW	LFNPEF8-15FF225	FLEXIBLE HOSE ASSEMBLY	225MM DN8 NYLON BRAIDED FLEXIBLE HOSE	DN8	G1/2 x G1/2	Class 2	PE-X Liner, Nylon Braid, CW511L End Connection	"L" - Low temperature (up to 70°C)	Yes
HYDROFLOW	HYDROFLOW	LFNPEF8-15FF300	FLEXIBLE HOSE ASSEMBLY	300MM DN8 NYLON BRAIDED FLEXIBLE HOSE	DN8	G1/2 x G1/2	Class 2	PE-X Liner, Nylon Braid, CW511L End Connection	"L" - Low temperature (up to 70°C)	Yes
HYDROFLOW	HYDROFLOW	LFNPEF8-15FF450	FLEXIBLE HOSE ASSEMBLY	450MM DN8 NYLON BRAIDED FLEXIBLE HOSE	DN8	G1/2 x G1/2	Class 2	PE-X Liner, Nylon Braid, CW511L End Connection	"L" - Low temperature (up to 70°C)	Yes
HYDROFLOW	HYDROFLOW	LFNPEF8-15FF600	FLEXIBLE HOSE ASSEMBLY	600MM DN8 NYLON BRAIDED FLEXIBLE HOSE	DN8	G1/2 x G1/2	Class 2	PE-X Liner, Nylon Braid, CW511L End Connection	"L" - Low temperature (up to 70°C)	Yes
HYDROFLOW	HYDROFLOW	LFNPEF8-15FF1000	FLEXIBLE HOSE ASSEMBLY	1000MM DN8 NYLON BRAIDED FLEXIBLE HOSE	DN8	G1/2 x G1/2	Class 2	PE-X Liner, Nylon Braid, CW511L End Connection	"L" - Low temperature (up to 70°C)	Yes
HYDROFLOW	HYDROFLOW	LFNPEF8-15FF1500	FLEXIBLE HOSE ASSEMBLY	1500MM DN8 NYLON BRAIDED FLEXIBLE HOSE	DN8	G1/2 x G1/2	Class 2	PE-X Liner, Nylon Braid, CW511L End Connection	"L" - Low temperature (up to 70°C)	Yes
HYDROFLOW	HYDROFLOW	LFNPEF8-15FM150P	FLEXIBLE HOSE ASSEMBLY	150MM DN8 NYLON BRAIDED FLEXIBLE HOSE	DN8	G1/2 x G1/2B	Class 2	PE-X Liner, Nylon Braid, CW511L End Connection	"L" - Low temperature (up to 70°C)	Yes
HYDROFLOW	HYDROFLOW	LFNPEF8-15FM250P	FLEXIBLE HOSE ASSEMBLY	250MM DN8 NYLON BRAIDED FLEXIBLE HOSE	DN8	G1/2 x G1/2B	Class 2	PE-X Liner, Nylon Braid, CW511L End Connection	"L" - Low temperature (up to 70°C)	Yes
HYDROFLOW	HYDROFLOW	LFBNPEF8-15FF300	FLEXIBLE HOSE ASSEMBLY	300MM DN8 BLACK NYLON BRAIDED FLEXIBLE HOSE	DN8	G1/2 x G1/2	Class 2	PE-X Liner, Nylon Braid, CW511L End Connection	"L" - Low temperature (up to 70°C)	Yes
HYDROFLOW	HYDROFLOW	LFBNPEF8-15FF400	FLEXIBLE HOSE ASSEMBLY	400MM DN8 BLACK NYLON BRAIDED FLEXIBLE HOSE	DN8	G1/2 x G1/2	Class 2	PE-X Liner, Nylon Braid, CW511L End Connection	"L" - Low temperature (up to 70°C)	Yes
HYDROFLOW	HYDROFLOW	LFBNPEF8-15FF450	FLEXIBLE HOSE ASSEMBLY	450MM DN8 BLACK NYLON BRAIDED FLEXIBLE HOSE	DN8	G1/2 x G1/2	Class 2	PE-X Liner, Nylon Braid, CW511L End Connection	"L" - Low temperature (up to 70°C)	Yes

A handwritten signature in black ink, reading "David Viola". The signature is fluid and cursive, with the first name "David" and last name "Viola" clearly distinguishable.

David Viola
Chief Executive Officer of the IAPMO Group

Lead Free Flexi Hose



Lead Free Flexible Connectors for general hot and cold water applications

Stock Code	Stock Description
PEF8-15FE150LF	Lead Free Flexi Hose c/w Elbow 15 x 150mm 8b
PEF8-15FE200LF	Lead Free Flexi Hose c/w Elbow 15 x 200mm 8b
PEF8-15FE300LF	Lead Free Flexi Hose c/w Elbow 15 x 300mm 8b
PEF8-15FE400LF	Lead Free Flexi Hose c/w Elbow 15 x 400mm 8b
PEF8-15FE600LF	Lead Free Flexi Hose c/w Elbow 15 x 600mm 8b
PEF8-15FF1000LF	Lead Free Flexi Hose 15 x 1000mm 8b
PEF8-15FF150LF	Lead Free Flexi Hose 15 x 150mm 8b
PEF8-15FF1500LF	Lead Free Flexi Hose 15 x 1500mm 8b
PEF8-15FF200LF	Lead Free Flexi Hose 15 x 200mm 8b
PEF8-15FF300LF	Lead Free Flexi Hose 15 x 300mm 8b
PEF8-15FF400LF	Lead Free Flexi Hose 15 x 400mm 8b
PEF8-15FF500LF	Lead Free Flexi Hose 15 x 500mm 8b
PEF8-15FF600LF	Lead Free Flexi Hose 15 x 600mm 8b

Features

316 Stainless steel braided tube

Non Corrosive & UV complaint to the new standard

Available in straight & elbow versions

Durable PEX inner tube with 8mm bore

Triple crimped

Maximum operating pressure 1400kpa.

Complaint to AS/NZS3499-202



For more information on this product scan the QR code or visit hydroflow.co.nz



Product Information

INSTALLATION INSTRUCTION

Clean all connecting threads.
Connect flexible hose.
Tighten till seal and then make half a turn with spanner.

Check for no leaks.
Suitable for hot water up to 70 degrees
Stainless steel hose can be installed external to exposed sunlight (UV).

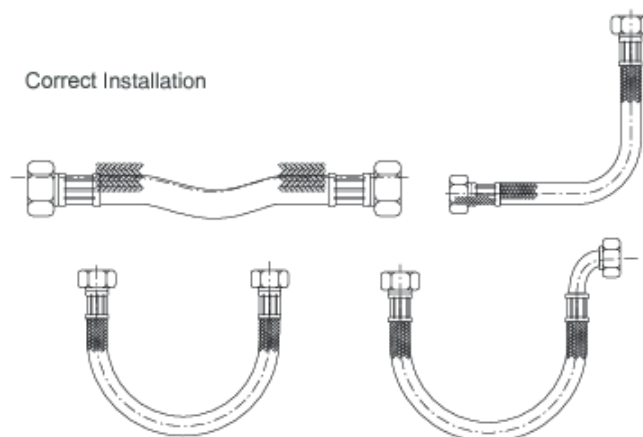
Black Nylon hose not suitable for exposed sunlight (UV).

Can NOT be installed in submersible water.

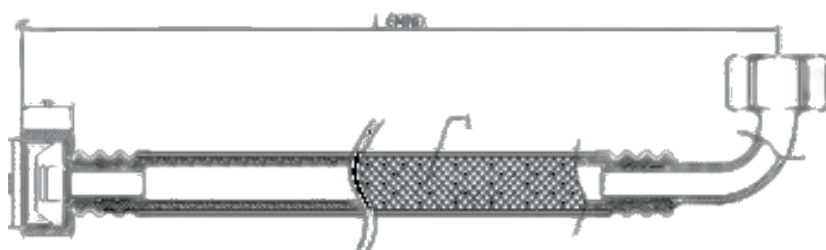
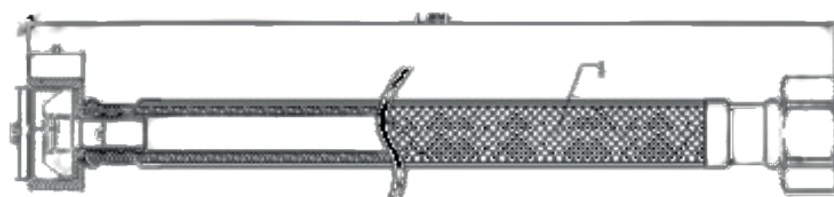
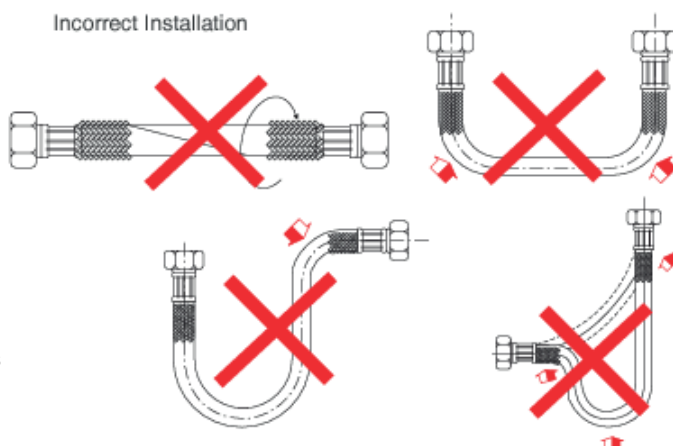
5-Year WARRANTY

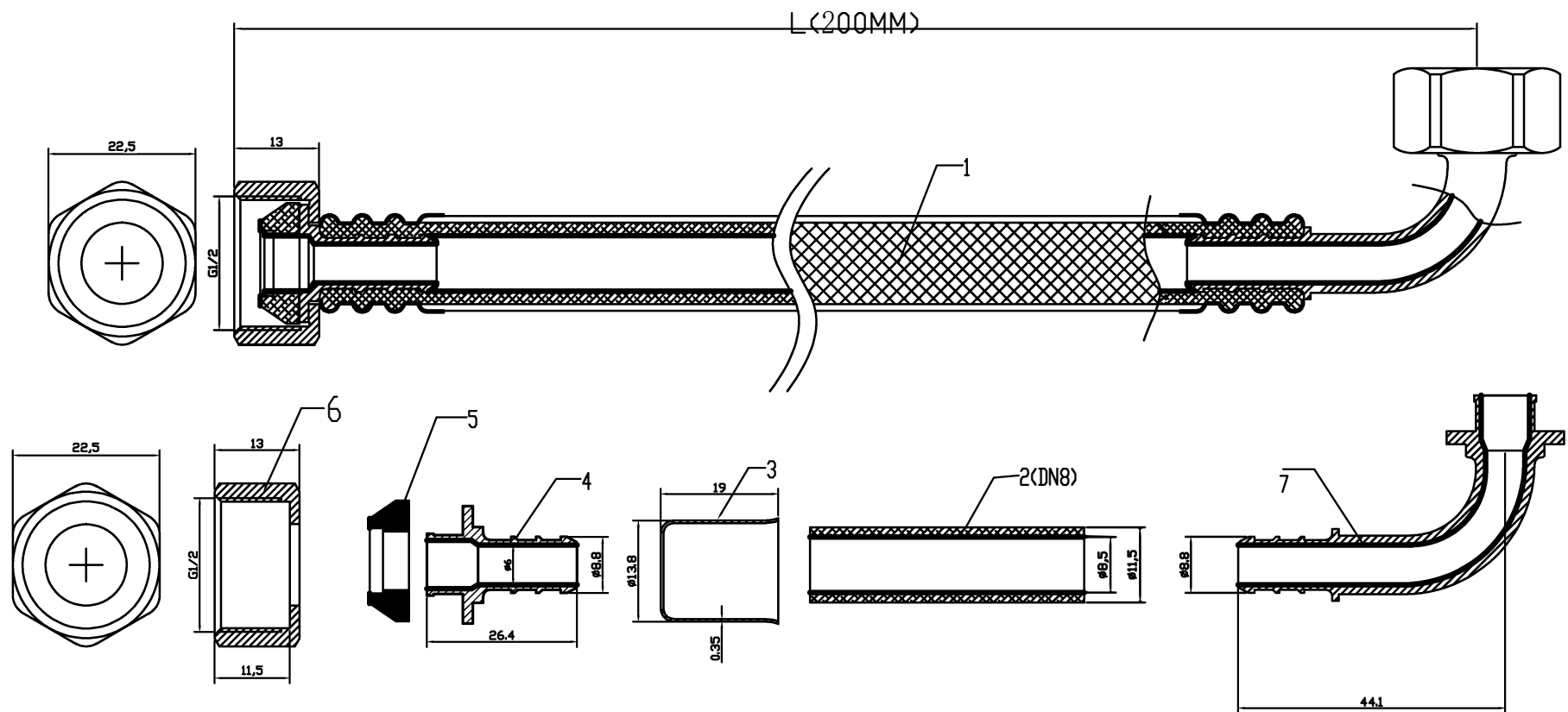
This product is covered under warranty on faulty workmanship and materials by manufacturing. The license plumber is responsible for installation and the application is fit for propose. No claim will be approved where the product has been Incorrectly installed, twisted, kinks, overstretched, over tightened. Exposure to highly corrosive agents. All claims must be notified within 2 working days. All claims hoses must be sent back to distributor for laboratory appraisal.

Correct Installation




Incorrect Installation





Noted: inner pipe and washer need to pass the WaterMark certificate

NO	FITTINGS	MATERIAL	SIZE		QTY
1	WIRE	S.S.316	0.18mm DIA		7
2	INNER PIPE	PEX	8.5*11.5	Grade B	1
3	SLEEVES	S.S.316	13.8*19*0.35		2
4	1/2INSERTS	CW511L	8.8*26.4		1
5	WASHERS	EPDM	18.5*9.2*5		2
6	1/2NUT	58-3A	22.5*13*12.5		2
7	1/2ELBOW	CW511L	Ø8.8		1

Mark	Date	Reversion	Revise content				Modified by	Checked by
6	2024.4.18	20240418C	Material changed from CW511L to 58-3A				施红端	方敬
designed by (date)		checked by	(date)	 1st ANGLE	WBGHI	SCALE	NINGBO HUAHUA SANITARY WARE CO., LTD	
施红端	2023.6.21	方敬	2023.6.21			1:1		
		approved by	(date)					LFPEF8-15FE300
		施红端	2023.6.21	totd page01/NO.01page1				