

Water distribution
Heating and cooling
PRODUCT LIST



CONNECT TO BETTER

Wavin Hep2O Flexible PB Push-Fit plumbing system



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The Hep2O system is available in the sizes 15, 22 and 28 mm.
The dimensioning is easy to recognize by the colour packaging:

- ▲ 15 mm: blue
- ▲ 22 mm: purple
- ▲ 28 mm: orange

Abbreviations:

BSP = British Standard Pipe Thread
DZR = Dezincification Resistant Brass

Selection of Brassware Fittings range between DZR and non-DZR families depends on local regulations applying in each market.

1. Hep2O Pipe

Description	Dia mm	Article code	
	Straight Coil Pipe - Standard	15 mm x 25 m coil	HXPE25/15W
	Straight Coiled Lengths in SmartPack dispensers.	15 mm x 50 m coil	HXPE50/15W
	15 mm x 100 m coil	HXPE100/15W	
	15 mm x 200 m coil	HXPE200/15W	
	22 mm x 25 m coil	HXPE25/22W	
	22 mm x 50 m coil	HXPE50/22W	
	28 mm x 25 m coil	HXP25/28W	
	28 mm x 50 m coil	HXP50/28W	
	Straight Coil Pipe - Barrier	15 mm x 25 m coil	HXX25/15W
	Straight Coiled Lengths in SmartPack dispensers. 5 Layer pipe with internal oxygen barrier layer.	15 mm x 50 m coil	HXX50/15W
	15 mm x 100 m coil	HXX100/15W	
	22 mm x 25 m coil	HXX25/22W	
	22 mm x 50 m coil	HXX50/22W	
	28 mm x 25 m coil	HXX25/28W	
	28 mm x 50 m coil	HXX50/28W	
		Straight Standard Pipe - Cut Lengths	15 mm x 3 m length
15 mm x 6 m length		HXP06/15W	
22 mm x 3 m length		HXP03/22W	
22 mm x 6 m length		HXP06/22W	
28 mm x 6 m length		HXP06/28W	

2. Hep2O Fittings

	Description	Dia mm	Article code
	Straight Connectors	15 mm	HD1/15W
		22 mm	HD1/22W
		28 mm	HD1/28W
	Socket Reducer	22 mm x 15 mm	HD2/22W
		28 mm x 22 mm	HD2/28W
	Elbow 90°	15 mm	HD5/15W
		22 mm	HD5/22W
		28 mm	HD5/28W
	Elbow 90° Single Socket	15 mm	HD4/15W
		22 mm	HD4/22W
	Obtuse bend 135° Single Socket	15 mm	HD8/15W
		22 mm	HD8/22W
	Equal Tee	15 mm	HD10/15W
		22 mm	HD10/22W
		28 mm	HD10/28W
	End Reduced Tee (dimensions: end x branch x end)	22 x 22 x 15 mm	HD12/22W
		28 x 28 x 22 mm	HD12/28W
	Double End Reduced Tee (dimensions: end x branch x end)	15 x 22 x 15 mm	HD 18/22W
		22 x 28 x 22 mm	HD 18/28W

	Description	Dia mm	Article code
	Branch Reduced Tee (dimensions: end x branch x end)	22 x 15 x 22 mm 28 x 22 x 28 mm 28 x 15 x 28 mm	HD13/22W HD13/28W HD13A/28W
	Branch Reduced Spigot Tee (dimensions: end x branch x end)	22 x 15 x 22 mm	HD15/22W
	Branch & One End Reduced Tee (dimensions: end x branch x end)	22 x 15 x 15 mm 28 x 22 x 22 mm	HD14/22W HD14/28W
	Demountable Stop End	15 mm 22 mm 28 mm	HD62/15W HD62/22W HD62/28W
	Tank Connector 15 mm and 22 mm versions for cold water only	1/2" BSP x 15 mm 3/4" BSP x 22 mm 1" BSP x 28 mm (Brass)	NEW HX20/15W HX20/22W HX20/28W
	Straight Tap Connector	1/2" BSP x 15 mm 3/4" BSP x 15 mm 3/4" BSP x 22 mm	HD25A/15W HD25B/15W HD25B/22W
	Tap Connector Spanners For use with HD25 and HD27 tap connectors	BSP 1/2" BSP 3/4"	HX54W HX54AW



Description

Hand-Titan Tap Connectors

With rubber washer

Dia mm

BSP 1/2" x 15 mm
 BSP 3/4" x 15 mm
 BSP 3/4" x 22 mm

Article code

HD26A/15W
 HD26B/15W
 HD26B/22W



Flexible Tap Connectors

Hep2O x BSP Nut

NEW

150 mm braided, 15 mm x 1/2" BSP HD425A/15W
 300 mm braided, 15 mm x 1/2" BSP HD125A/15W
 300 mm braided, 15 mm x 3/4" BSP HD125B/15W
 300 mm braided, 22 mm x 3/4" BSP (Full Bore) HD125C/22W
 300 mm braided, 22 mm x 3/4" BSP HD125B/22W
 500 mm braided, 15 mm x 1/2" BSP HD225A/15W
 500 mm braided, 15 mm x 3/4" BSP HD225B/15W
 500 mm braided, 22 mm x 3/4" BSP (Full Bore) HD225C/22W
 500 mm braided, 22 mm x 3/4" BSP HD225B/22W
 1000 mm braided, 15 mm x 1/2" BSP HD325A/15W
 1000 mm braided, 22 mm x 3/4" BSP HD325B/22W



NEW

300 mm white, 15 mm x 1/2" BSP HDW125A/15W
 300 mm white, 15 mm x 3/4" BSP HDW125B/15W
 300 mm white, 22 mm x 3/4" BSP HDW125B/22W
 500 mm white, 15 mm x 1/2" BSP HDW225A/15W
 500 mm white, 15 mm x 3/4" BSP HDW225B/15W
 500 mm white, 22 mm x 3/4" BSP HDW225B/22W



Flexible Tap Connectors

Hep2O x Hep2O

NEW

300 mm braided, 15 mm x 15 mm HD125H/15W
 300 mm braided, 22 mm x 22 mm HD125H/22W
 500 mm braided, 15 mm x 15 mm HD225H/15W
 500 mm braided, 22 mm x 22 mm HD225H/22W



NEW

300 mm white, 15 mm x 15 mm HDW125H/15W
 300 mm white, 22 mm x 22 mm HDW125H/22W



Flexible Tap Connectors

Hep2O x Elbow BSP Nut







NEW

300 mm braided, 15 mm x 1/2" BSP HD125D/15W



NEW

300 mm white, 15 mm x 1/2" BSP HDW125D/15W

	Description	Dia mm	Article code
	Flexible Tap Connectors Hep2O x Brass Service Valve x BSP Nut NEW	300 mm braided, 15 mm x 1/2" BSP 300 mm braided, 22 mm x 3/4" BSP 500 mm braided, 15 mm x 1/2" BSP 500 mm braided, 15 mm x 3/4" BSP 500 mm braided, 22 mm x 3/4" BSP	HD125E/15W HD125E/22W HD225E/15W HD225I/15W HD225E/22W
	NEW	300 mm white, 15 mm x 1/2" BSP 300 mm white, 22 mm x 3/4" BSP	HDW125E/15W HDW125E/22W
	Flexible Tap Connectors Hep2O x Brass Service Valve (Handle) x BSP Nut NEW	300 mm braided, 15 mm x 1/2" BSP 300 mm braided, 22 mm x 3/4" BSP	HD125EH/15W HD125EH/22W
	Flexible Tap Connectors Hep2O x Monobloc Mixers NEW	300 mm braided, 15 mm x M10* 300 mm braided, 15 mm x M12* <small>*sold and priced as a pair</small>	HD125F/15W HD125G/15W
	Bent Tap Connector	1/2" BSP x 15 mm	HD27/15W
	Adaptor - Female BSP/Hep2O Socket DZR Brass	1/2" BSP x 15 mm 3/4" BSP x 15 mm NEW 3/4" BSP x 22 mm 1" BSP x 28 mm	HX28/15W HX24/15W HX28/22W HX28/28W



Description

**Adaptor - Female
BSP/Hep₂O Socket**

Non DZR Brass

Dia mm

- 3/8" BSP x 15 mm **NEW**
- 1/2" BSP x 15 mm
- 1/2" BSP x 22 mm **NEW**
- 3/4" BSP x 22 mm
- 1" BSP x 28 mm

Article code

- HE633/15W
- HE28/15W
- HE653/22W
- HE28/22W
- HE28/28W



**Wall Flange Plate Adaptor
- Female**

Non-DZR Brass

- 1/2" BSP x 15 mm **NEW**

HE800/15W



**Adaptor - Male
BSP/Hep₂O Socket**

DZR Brass

- 1/2" BSP x 15 mm
- 3/4" BSP x 22 mm
- 1" BSP x 28 mm

- HX29/15W
- HX29/22W
- HX29/28W

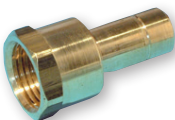


**Adaptor - Male
BSP/Hep₂O Socket**

Non DZR Brass

- 3/8" BSP x 15 mm **NEW**
- 1/2" BSP x 15 mm
- 1/2" BSP x 22 mm **NEW**
- 3/4" BSP x 22 mm
- 1" BSP x 28 mm

- HE632/15W
- HE29/15W
- HE652/22W
- HE29/22W
- HE29/28W

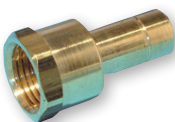


**Adaptor - Female
BSP/Hep₂O Spigot**

DZR Brass

- 1/2" BSP x 15 mm
- 3/4" BSP x 22 mm
- 1" BSP x 28 mm

- HX30/15W
- HX30/22W
- HX30/28W



**Adaptor - Female
BSP/Hep₂O Spigot**

Non DZR Brass

- 1/2" BSP x 15 mm
- 3/4" BSP x 22 mm
- 1" BSP x 28 mm

- HE30/15W
- HE30/22W
- HE30/28W

	Description	Dia mm	Article code
	Adaptor - Male BSP/Hep₂O Spigot DZR Brass	1/2" BSP x 15 mm 3/4" BSP x 22 mm 1" BSP x 28 mm	HX31/15W HX31/22W HX31/28W
	Adaptor - Male BSP/Hep₂O Spigot Non DZR Brass	1/2" BSP x 15 mm 3/4" BSP x 22 mm 1" BSP x 28 mm	HE31/15W HE31/22W HE31/28W
	Threaded Elbow - Female Non DZR Brass	3/8" BSP x 15 mm 1/2" BSP x 15 mm 1/2" BSP x 22 mm 3/4" BSP x 22 mm 1" BSP x 28 mm	NEW HE637/15W NEW HE5/15W NEW HE5A/22W NEW HE5/22W NEW HE5/28W
	Threaded Elbow - Male Non DZR Brass	3/8" BSP x 15 mm 1/2" BSP x 15 mm 1/2" BSP x 22 mm 3/4" BSP x 22 mm 1" BSP x 28 mm	NEW HE638/15W NEW HE5M/15W NEW HE654/22W NEW HE5M/22W NEW HE5M/28W
	Draincock Brass 15 mm spigot DZR Brass	15 mm	HX32/15W
	Wall Plate Elbow	1/2" BSP x 15 mm 3/4" BSP x 22 mm	HX6/15W HX6/22W



Description

Wall Screw Elbow

Non DZR Brass

Dia mm

1/2" BSP x 15 mm
 1/2" BSP x 15 mm
 (Extended)
 1/2" BSP x 22 mm
 3/4" BSP x 22 mm

Article code

HE6C/15W

 HE6E/15W
 HE6CB/22W
 HE6C/22W



Universal Wall Plate Elbow

Non DZR Brass

1/2" BSP x 15 mm

HE6A/15W



Wall Plate Elbow

Non DZR Brass

1/2" BSP x 15 mm
 1/2" BSP x 22 mm

NEW
NEW

HE6MA/15W
 HE6MA/22W



Tee - Female Threaded Branch

Non DZR Brass

15 mm x 1/2" BSP Branch
 22 mm x 1/2" BSP Branch
 22 mm x 3/4" BSP Branch

NEW
NEW

HE16/15W
 HE16A/22W
 HE16/22W



Wall Plate Tee - Female

Non-DZR Brass

15 mm x 1/2" BSP Branch*
 15 mm x 1/2" BSP Branch
 22 mm x 1/2" BSP Branch

NEW
NEW
NEW

HE7/15W
 HE7MA/15W
 HE7MA/22W

* HE7/15W has offset branch









Cylinder Connector Spigot

DZR Brass

1" BSP x 22 mm spigot

HX34/22W

	Description	Dia mm	Article code
	<p>Gate Valve - Hot/Cold DZR Brass Brass fitted with Hep2O ends (suitable for hot and cold water and central heating)</p>	<p>15 mm x 15 mm 22 mm x 22 mm</p>	<p>HX35/15W HX35/22W</p>
	<p>Stopcock - Cold Water Fitted with Hep2O ends (for cold water use only)</p>	<p>15 mm x 15 mm 22 mm x 22 mm</p>	<p>HX36/15W HX36/22W</p>
	<p>Stopcock - Cold Water Hep2O to MDPE/HDPE conversion 22 mm Hep2O to 25 mm MDPE/HDPE</p>	<p>25 mm MDPE/HDPE x 22 mm Hep2O</p>	<p>HX43/22W</p>
	<p>Shut-off Valve With hot/cold indicator insert (not for use with central heating)</p>	<p>15 mm</p>	<p>HX37/15W</p>
	<p>Appliance Valve With hot/cold indicator insert (not for use with central heating)</p>	<p>15 mm</p>	<p>HX38/15W</p>
	<p>Straight Service Valve With hot/cold indicator insert (not for use with central heating)</p>	<p>15 mm</p>	<p>NEW HX18/15W</p>

**Description****Angled Service Valve**

With hot/cold indicator insert (not for use with central heating)

Dia mm

15 mm

NEW**Article code**

HX19/15W

**Double-Check Valve**

15 mm x 15 mm

HX72/15W

**Lever Ball Valve**

Non-DZR Brass
(no fixing points)

15 mm x 15 mm
22 mm x 22 mm
28 mm x 28 mm

NEW

HE37C/15W

NEW

HE37C/22W

NEW

HE37C/28W

DZR Brass
(with fixing points)

15 mm x 15 mm
22 mm x 22 mm

HX22/15W

HX22/22W

Suitable for hot and cold water and central heating

**Shut-off Valve
- Hidden Handle**

Non-DZR Brass

15 mm x 15 mm
22 mm x 22 mm

NEW

HE37A/15W

NEW

HE37A/22W

**Shut-off Valve
- Tri-Handle**

Non-DZR Brass

15 mm x 15 mm
22 mm x 22 mm

NEW

HE37B/15W








NEW

HE37B/22W

	Description	Dia mm		Article code
	Ball Valve - Chrome Lever Handle Non-DZR Brass	15 mm x 15 mm	NEW	HE37D/15W
		22 mm x 22 mm	NEW	HE37D/22W
		28 mm x 28 mm	NEW	HE37D/28W
	Ball Valve - Hidden Handle Non-DZR Brass	15 mm x 15 mm	NEW	HE37E/15W
		22 mm x 22 mm	NEW	HE37E/22W
		28 mm x 28 mm	NEW	HE37E/28W
	Manifolds, Closed Spigot Type Polybutylene	2 Port 22 x 15 mm		HX88/22W
		3 Port 22 x 15 mm		HX89/22W
	Manifolds, Socket to Socket Type Polybutylene	2 Port 22 x 15 mm		HX88B/22W
		3 Port 22 x 15 mm		HX89B/22W
	Manifolds, Plated Brass with Taps Modular system - can be used to build manifolds with any number of ports and combinations of 15 mm and 22 mm outlets	1-Port 3/4" BSP x 15 mm	NEW	HX91T/15W
		1-Port 3/4" BSP x 22 mm	NEW	HX91T/22W
		2-Port 3/4" BSP x 15 mm		HX92T/15W
		3-Port 3/4" BSP x 15 mm		HX93T/15W
		4-Port 3/4" BSP x 15 mm		HX94T/15W
	Manifold end-caps	3/4" BSP Female		HX97 GY
		3/4" BSP Male		HX98 GY

3. Hep2O Accessoires

	Description	Dia mm	Article code
	<p>Screws</p> <p>For use with Wall Screw Elbows series HE6 and HX6</p>	M6 x 6 mm (100 Pack)	HE6S GR
	<p>Lubricant</p> <p>400 ml Aerosol Can</p>	Joint Lubricant Spray	HX200
	<p>SmartSleeve</p>	<p>15 mm</p> <p>22 mm</p> <p>28 mm</p>	<p>HX60/15W</p> <p>HX60/22W</p> <p>HX60/28W</p>
	<p>Copper Pipe End Protector</p>	<p>15 mm</p> <p>22 mm</p>	<p>HX61/15W</p> <p>HX61/22W</p>
	<p>Pipe Clip - Screw Type</p>	<p>15 mm</p> <p>22 mm</p> <p>28 mm</p>	<p>HX85/15W</p> <p>HX85/22W</p> <p>HX85/28W</p>
	<p>Pipe Clip Spacer</p>	<p>15 mm</p> <p>22 mm</p>	<p>HX86/15W</p> <p>HX86/22W</p>
	<p>Pipe Clip - Cable Type</p>	<p>15 mm</p> <p>22 mm</p> <p>28 mm</p>	<p>HX65/15W</p> <p>HX65/22W</p> <p>HX65/28W</p>
	<p>Blanking Peg</p> <p>For Demountable Fittings</p>	<p>15 mm</p> <p>22 mm</p> <p>28 mm</p>	<p>HX44/15W</p> <p>HX44/22W</p> <p>HX44/28W</p>

	Description	Dia mm		Article code
	<p>HepKey Plus For Demountable Fittings</p>	<p>15 mm 22 mm 28 mm</p>		<p>HX79/15W HX79/22W HX79/28W</p>
	<p>HepTool For Demountable Fittings in restricted access locations</p>	<p>10 and 28 mm 15 and 22 mm</p>	<p>NEW NEW</p>	<p>HX77/10W HX77/15W</p>
	<p>Hep2O Joint Testing Kit Used to pressure test Hep2O installations at site. See pages 54-55 of the Hep₂O Installer Guide for details of test procedures.</p>			<p>HX81 GR</p>
	<p>Terminal Back Plate</p>	<p>Terminal back plate Back plate flat</p>		<p>HX103 BL HX103A GR</p>
	<p>Conduit Terminal</p>	<p>1/2" BSP x 15 mm</p>		<p>HX101/15W</p>
	<p>Cold Forming Bend Fixture Metal with passivate finish</p>	<p>15 mm 22 mm</p>		<p>HX75/15 GR HX75/22 GR</p>
	<p>Pipe Cutters</p>	<p>For pipe diameter up to 28 mm max. (standard) For pipe diameter up to 25 mm max. (procutter) For pipe diameter up to 42 mm max. (ratchet) For pipe diameter up to 28 mm max. (ratchet)</p>		<p>HD74 GR HD75 GR HD77 GR HD78 GR</p>



4. Making connections

Joining with Hep2O pipe and fittings

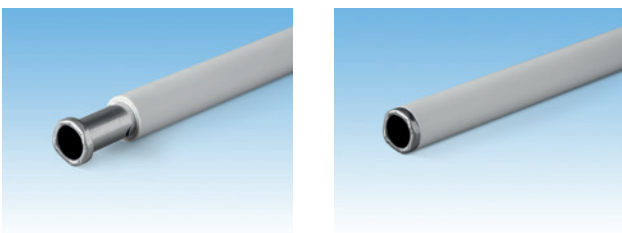
SmartSleeve™ pipe support sleeve

Before making a joint using Hep2O pipe, it is essential to insert a Hep2O SmartSleeve™ pipe support sleeve into the cut pipe end. The only exception is when connecting to the open spigot end of a Hep2O fitting.

The SmartSleeve™ has several purposes:

- ⤵ It ensures the pipe retains its circular cross-section under all operating conditions.
- ⤵ It eases insertion of the pipe into the fitting.
- ⤵ The profiled end of the SmartSleeve™ helps you to check the pipe is fully inserted. See In4Sure™ joint recognition technology.
- ⤵ It maintains the rigidity of the pipe within the fitting.
- ⤵ Barbs on the SmartSleeve™ lock it in the pipe, which helps ensure it is not left in the fitting when demounting.

All SmartSleeve™ pipe inserts are manufactured from ‘food quality’ 316 stainless steel and are impervious to contaminants. They are designed to be captive in the pipe but can be removed if required, using long nosed pliers. However, if damaged, the SmartSleeve™ must not be re-used.



Inserting SmartSleeve™ into pipe.

Joining procedure

Whichever type of Hep2O fitting is used, the same joining procedure should be followed.



Photo 1.



Photo 2.



Photo 3.

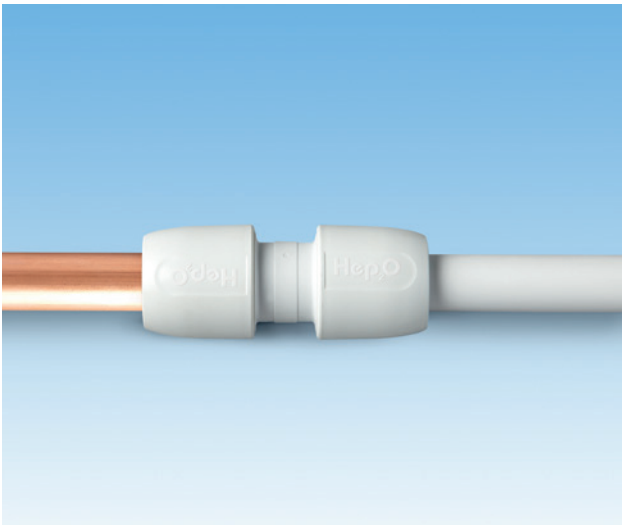


Photo 4.

1. Cut the pipe squarely at one of the ‘^’ marks using recommended pipe cutters and ensure the pipe end is free from burrs.
2. Insert a Hep2O SmartSleeve™ pipe support sleeve into the pipe end.
3. Push the pipe firmly into the fitting, then use Hep2O's unique In4Sure™ joint recognition technology to ‘feel’ if the pipe is fully inserted.
4. Tug back on the pipe to ensure the grab-ring engages correctly and prevents the pipe withdrawing.

Joining copper pipe to Hep2O fittings

Hep2O fittings have been designed to form reliable joints with metric copper pipe which conforms to BS EN 1057 - R520.



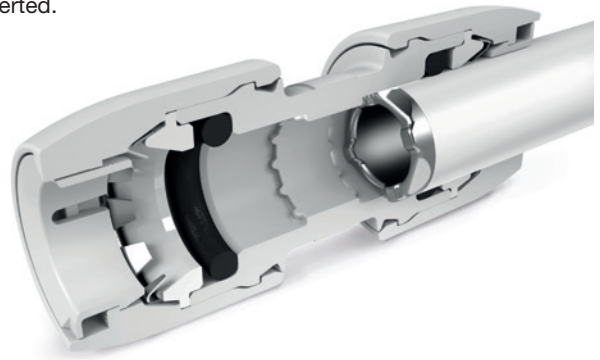
Hep2O fittings are also compatible with copper pipe.

1. Measure the pipe, allowing sufficient length for insertion into the fitting, and mark with a pencil.
2. Cut the copper pipe with a wheel cutter.
3. Carefully inspect the pipe ends for burrs or swarf.
4. Push the pipe firmly into the fitting.
5. Tug back on the pipe to ensure the grab-ring engages correctly and prevents the pipe withdrawing.

Checking the joint using In4Sure™ joint recognition technology

Follow normal procedure to establish the insertion depth of the pipe into the fitting as previously described.

In4Sure™ joint recognition technology then provides a further check by allowing you to 'feel' if the pipe is fully inserted.



Cut-away showing In4Sure™ joint recognition technology.

To use In4Sure™ joint recognition technology:

1. Hold the centre (fixed) part of the fitting in one hand.
2. After inserting the appropriate pipe sleeve, push the pipe firmly into the fitting.
3. While still pushing, rotate the pipe using a screwing action. If the pipe is fully inserted you will feel a 'rumbling' sensation as the profiled end of the SmartSleeve™ passes over the castellated seat inside the fitting.
4. Pull back to check the joint integrity.

This simple procedure is designed to give you the peace of mind that comes from knowing that the joint is good. You can also make a visual check by checking the next '∧' mark is level with the end of the fitting.

Note:

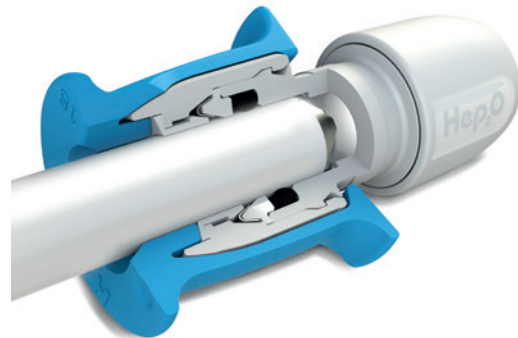
New pipe insert for copper providing joint recognition will be available soon.

Demounting joints using the Hep2O HepKey™ system

The HepKey Plus™ is colour-coded: 15 blue, 22 purple and 28 mm orange.



HepKey Plus™.



Cut-away drawing of HepKey Plus™.

To use HepKey Plus™:

1. Place the HepKey Plus™ around the pipe
2. Clip HepKey Plus™ over the fitting
3. In this position it depresses the inner release ring of the fitting.
4. Withdraw the pipe from the fitting.

Note:

Before re-using the fitting we recommend applying a small amount of Jointing Lubricant Spray (code HX200) to the O-ring seal inside the fitting.



Step 1.



Step 2.



Step 3.



Step 4.

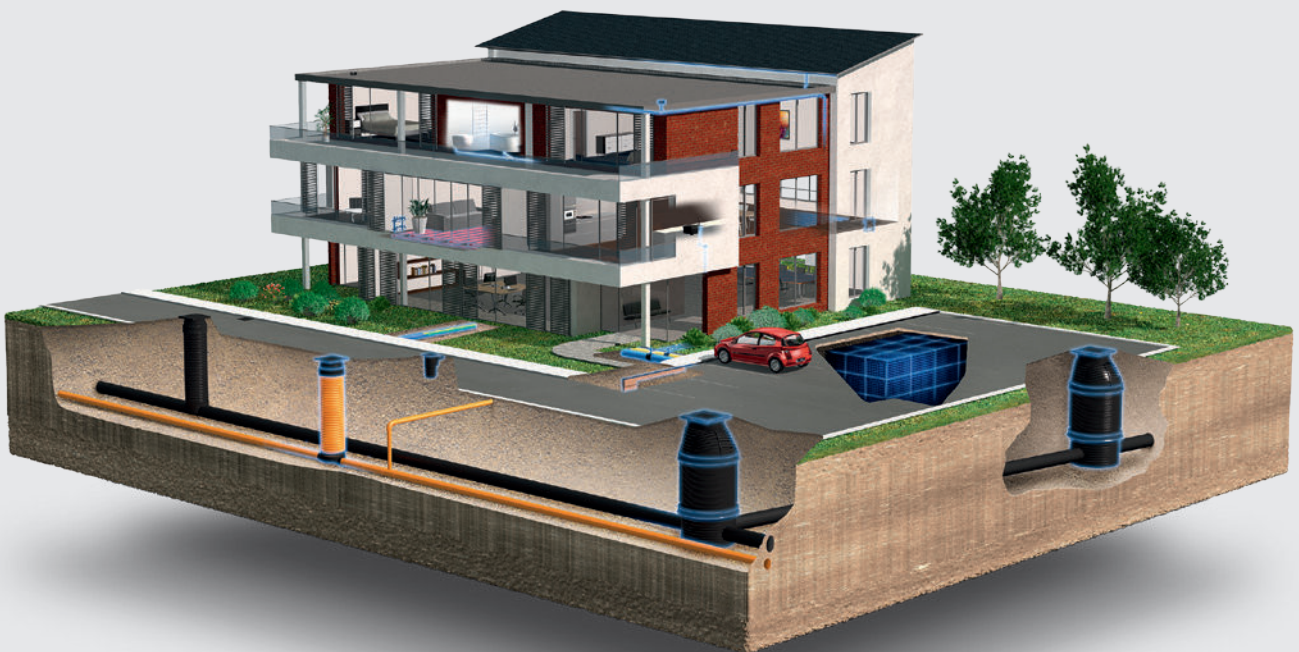
Documentation

The following documentation on the Wavin Hep2O system is also available:

- 🔗 Data sheet
- 🔗 Installer Guide

Demounting sequence using HepKey Plus™.

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