



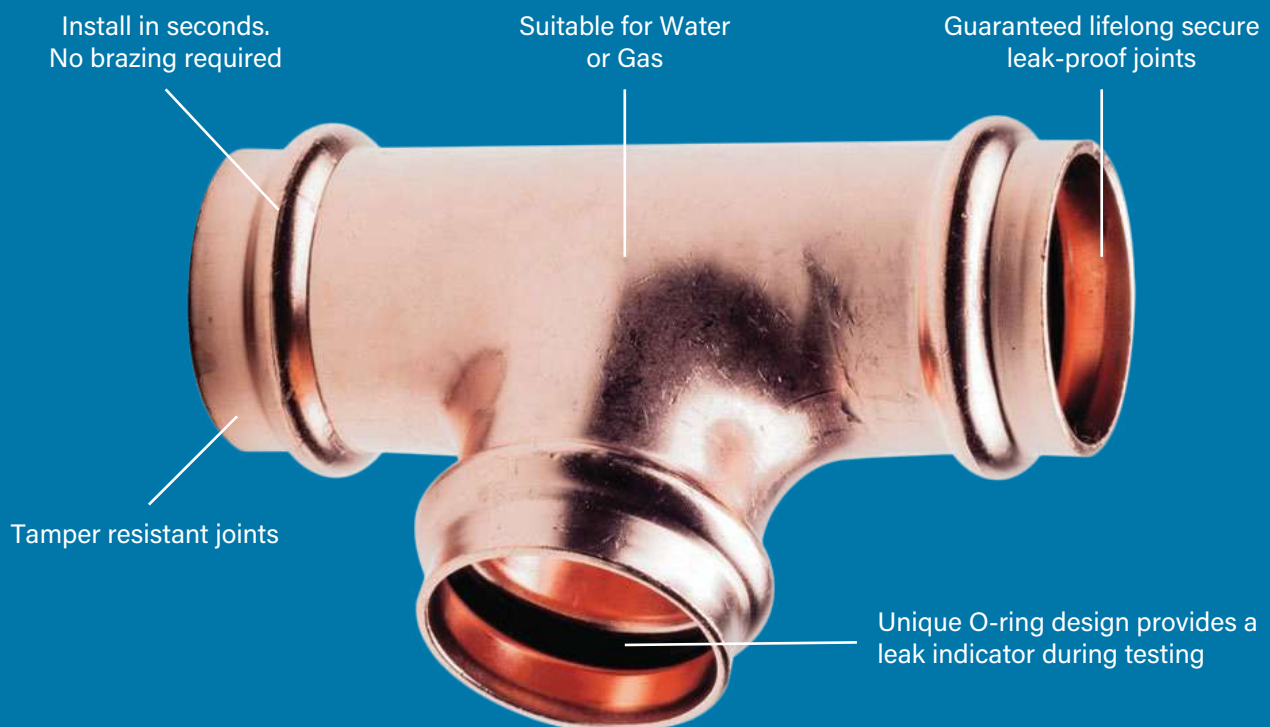
VELPRESS TECHNICAL GUIDE





Guaranteed lifelong secure leak-proof joints. Velpress is versatile, cost effective and safe. The Velpress joints can't be tampered with and the design ensures easy access. Fully certified, totally on-site practical with timeless performance. With a simple installation method and no brazing, it only takes seconds to create a permanent joint between pipe and fitting.

The Velpress superior resistance reduction technology allows water or gas to flow smoothly throughout the total pipeline system improving the pipe and flow performance as well as the efficiencies created through the Velpress Installation method. Velpress is cost effective in material, time & labour.



THE VELPRESS SYSTEM

Guaranteed lifelong secure leak-proof joints. Velpress is versatile, cost effective and safe, born from a pedigree of some of the finest plumbing products on the globe. The joints can't be tampered with and the design ensures easy access. Fully certified, totally on-site practical with timeless performance.

With a simple installation method and no brazing, it only takes seconds to create a permanent joint between pipe and fitting. The Velpress superior resistance reduction technology allows water or gas to flow smoothly throughout the total pipeline system improving the pipe and flow performance as well the efficiencies created through the Velpress Installation method.

Velpress is cost effective in material, time and labour.

FULLY CERTIFIED

All Velpress products come with a full 25 year warranty covering against faults caused by defective manufacture of the fittings.

25 YEAR WARRANTY

Extensive third party certification offers peace of mind to the client, specifier and installer

PERMANENT JOINT

Secure, permanent joint crimped both sides of deep set leak by-pass o-ring ensures fitting cannot be tampered with.

LEAK INDICATOR

Velpress fittings use a unique Leak by-pass O-Ring that allows for quick visual recognition of uncrimped fittings during testing.

WATERMARK LICENSE



VELPRESS FITTINGS TESTING

All Velpress fittings have undergone rigorous testing program including:

- Prototype testing
- Watermark testing
- Material in contact with drinking water
- Press testing every product in the range
- Press testing every tool and Jaw
- Gas testing standard compliant to AS/NZS 5601:2010

Velpress fittings have undergone stringent testing by an accredited laboratory to ensure compliance with AS 3688. The Velpress gas fittings have the same metallic body but use a special o-ring sealing element that is comparative with most common gases. These Velpress gas fittings have been subjected to low pressure pneumatic tests to simulate the use when conveying gases at the pressures stated in AS 5601 Gas installation. These tests were witnessed and verified by an Accredited Certifying Body (ACB) who issued a Type Test Certification.

APPLICATIONS

Velpress Water Fittings are suitable for:

- Potable water
- Heating water (non solar)
- Chilled Water

Velpress Gas Fittings are suitable for:

- Natural and LPG
- Compressed air (with or without oil content)
- Fuel lines



WARRANTY

All Velpress products come with a full 25 year warranty covering against faults caused by defective manufacture of the fittings.

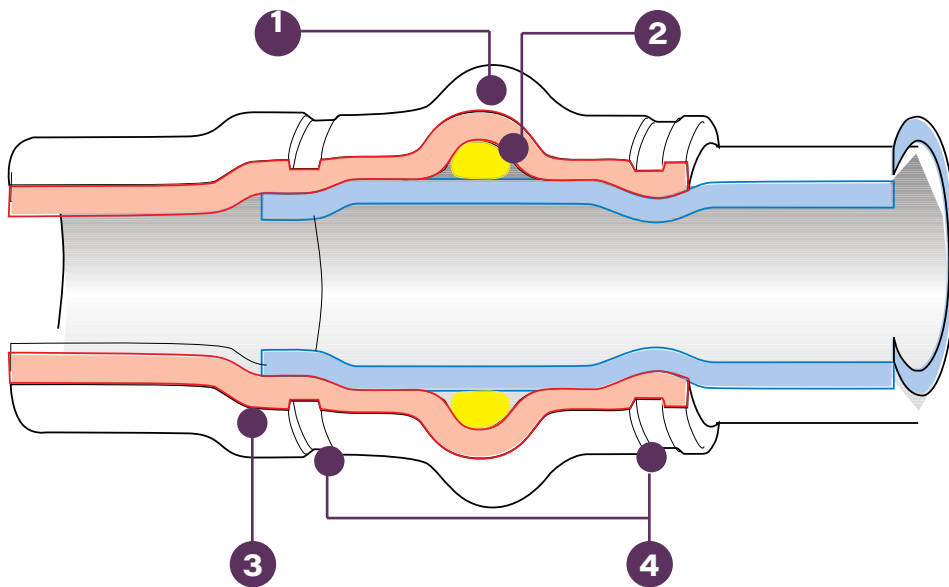
This warranty covers installation with type A and B copper tube conforming to AS1432 but does not cover any faults arising from competitor fittings used on the same installation or faults caused by damaged Velpress fittings (through excessive pressure, for example where competitor fittings created non-compliant conditions).

All Velpress fittings must be installed by a licensed plumber.

LEAK BY-PASS O-RING

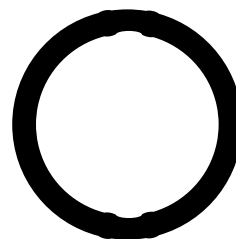


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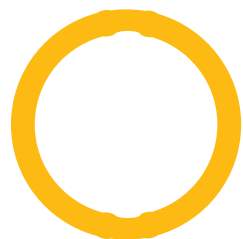


Section through Velpress fitting

1. Bead
2. Leak By-Pass O-ring (water or Gas)
3. Cylindrical sleeve (socket)
4. Pressing both sides of Leak By-Pass O-ring



Water - EPDM



Gas - HNBR

VELPRESS TECHNICAL DATA

Velpress is suitable for use with hard, half hard or annealed type A and B copper tube complying with AS1432.

WATER SUPPLY SYSTEMS						
APPLICATION / MEDIUM	COMMENTS	PRESSURE (KPA)	TEMP (°C)	WATER EPDM	GAS HNBR	HT FKM
Hot and Cold Potable Water	Capable of the required test pressure of 1700kPa or 1.5 times the design pressure as specified by AS2419.1	1600	120	✓		✓
Fire Services	Capable of the required test pressure of 1700kPa or 1.5 times the design pressure as specified by AS2419.1	1600	120	✓		✓
Pump Circulated Hot Water Systems	Compliant with EN 12828	1600	120	✓		✓
Chilled Water (Closed System)		1600	≥ -25	✓		
Steam	Low pressure steam equipment	≤100	120	✓		✓
Solar Systems (Flat Panel Collectors)		1600	160			✓

ANTI-FREEZE/CORROSION PROTECTION/INHIBITORS							
APPLICATION / MEDIUM	COMMENTS		PRESSURE (KPA)	TEMP (°C)	WATER EPDM	GAS HNBR	HT FKM
	PRODUCT	MANUFACTURER					
Anti-Freeze Cooling Concentration 50%	Antifrogen N	Clariant	1600	-25 to 120	✓		
	Antifrogen L	Clariant	1600	-25 to 120	✓		
	Ethylene Glycol	Various	1600	-25 to 120	✓		
	Propylene Glycol	Various	1600	-25 to 120	✓		
	Tyfocop	Tyforop-Chemie	1600	-25 to 120	✓		

OILS, COOLING MATERIALS AND LUBRICANTS						
APPLICATION / MEDIUM	COMMENTS	PRESSURE (KPA)	TEMP (°C)	WATER EPDM	GAS HNBR	HT FKM
Engine oils and Lubricants (Petroleum-Based) SAE	Consultation required	1000	70		✓	
Heating oil, Diesel in acc. with EN590		500			✓	

VELPRESS TECHNICAL DATA

GAS						
APPLICATION / MEDIUM	COMMENTS	PRESSURE (KPA)	TEMP (°C)	WATER EPDM	GAS HNBR	HT FKM
Compressed Air	Oil Concentration $\leq 25\text{mg/m}^3$	1600	70	✓		✓
Natural Gas	Australian Gas Approved N.B. AS/NZS5601 permits use up to 200 KPA for all systems.	1000	70		✓	
LPG	Australian Gas Approved N.B. AS/NZS5601 permits use up to 200 KPA for all systems.	1000	70		✓	
Argon	For welding	1600	70	✓	✓	
Forming Gas, Dry / Welding Inert Gas	Ar+CO ₂ (Eg Cargon)	1600	70	✓	✓	✓
Vacuum		-80	Ambient	✓	✓	✓
Carbon Dioxide - CO ₂	Dry	1600	70	✓	✓	✓
Nitrogen - N ₂	After the evaporator	1600	70	✓	✓	✓
Helium - HE 2	May leak at $<0.001\text{cm}^3/\text{min}$	1600	70	✓	✓	✓
Neon		1600	70	✓	✓	✓
Xenon		1600	70	✓	✓	✓
Krypton		1600	70	✓	✓	✓
Oxygen	Oil + Fat Free	1200	60	✓	✓	✓
Carbon Monoxide - CO	Stainless Steel Components Not Permitted	1600	70	✓	✓	✓

OTHER MEDIA						
APPLICATION / MEDIUM	COMMENTS	PRESSURE (KPA)	TEMP (°C)	WATER EPDM	GAS HNBR	HT FKM
Acetone	Liquid	500	-10 to 40	✓		
Condensate	From Steam Equipment	1600	110	✓		✓
Ethanol		1600	25	✓		✓

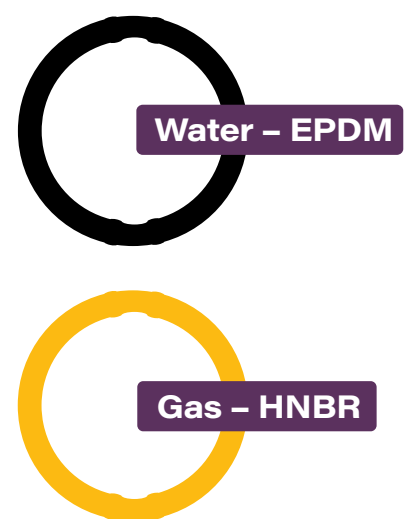
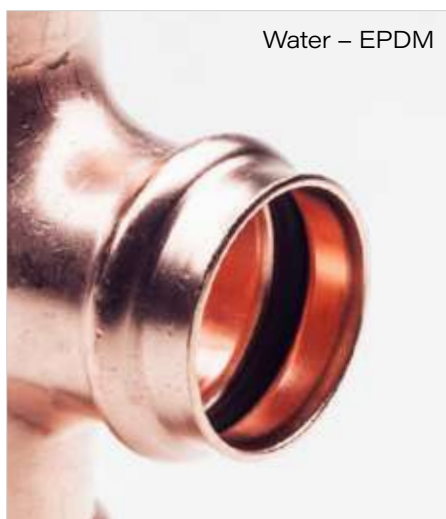
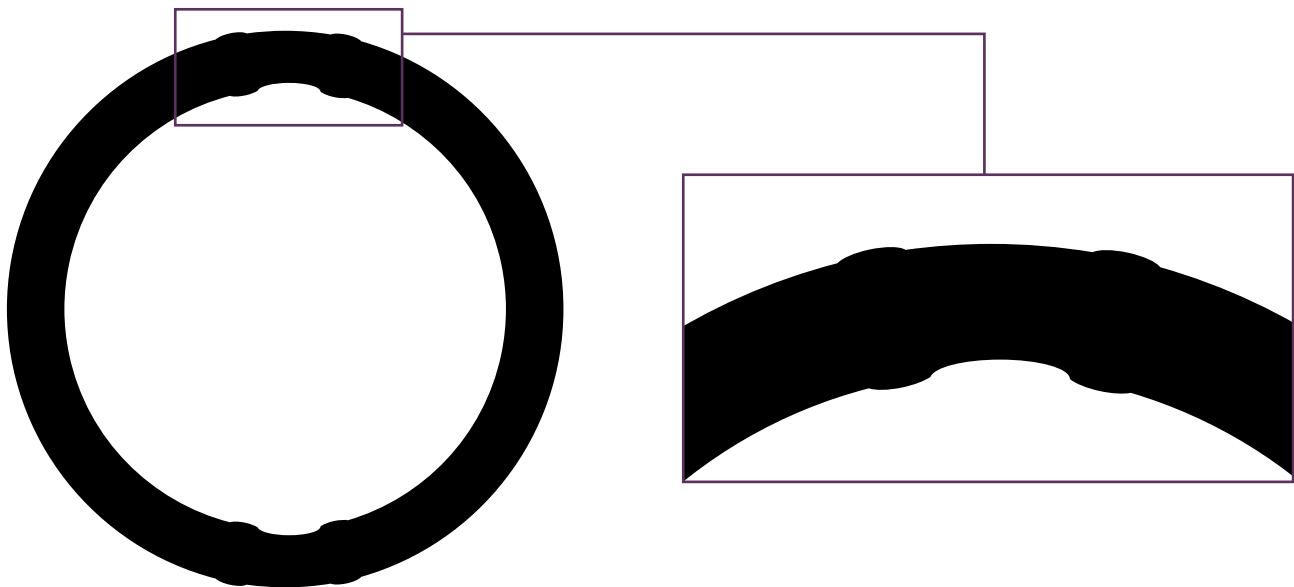
✓ Indicates compatibility. (Consultation required for unlisted mediums)

*Note: Installations need to comply to the relevant standards and local regulations. The maximum constant or standard operating pressure and temperature are shown. For testing or short spikes higher pressure and temperature may be applicable.

TESTING DETAILS

The unique pressing indicator is a specially designed Leak By-Pass O-ring. It has a reduced section in two positions that allows water or air past the sealing element of any unpressed connection, thereby providing a visible leakage point during the commissioning of the system.

Unpressed fittings are identified by pressurizing the system with a pressure range of 100 kPa to 500 kPa for water (prior to the final pressure testing) and 2.2 kPa to 300 kPa for gas. When the fitting is pressed, the Leak By-Pass O-ring material compresses, filling the gaps, creating a leak free joint. Final testing of the system should be conducted in accordance with AS/NZS 3500 and/or AS/NZS 5601.



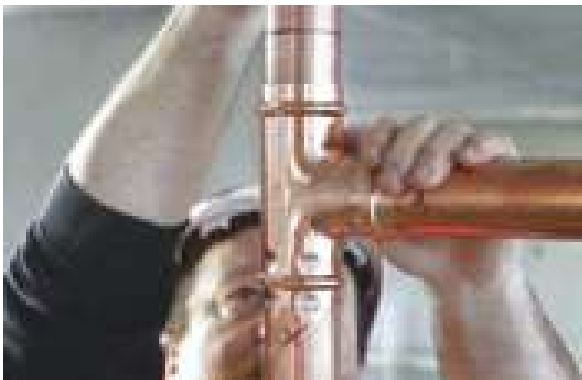
INSTALLATION INSTRUCTIONS

Using a fast, secure and flame-free installation process, Velpress is easy to both install and inspect. Velpress is installed with a hydraulic press tool with a compatibly sized V-jaw. Once complete, the fitting forms a permanent and durable joint with the pipe. The leak bypass O-ring allows for quick visual recognition during testing and our exclusive 25-year warranty ensures your peace of mind.



1. MARK THE DEPTH OF THE PIPE

We recommend that you use a Velpress Pipe Cutter to cut your pipe to the correct length. Ensure that the pipe is cut completely square and that tube ends are clean and free from scratches to at least the length of the socket.



2. INSERT THE PIPE INTO THE FITTING

To prevent damage to the O-ring, ensure that the tube end is free from burrs or sharp edges both internally and externally by using a deburring tool and then wiping the tube ends clean. Before inserting the copper tube, ensure that the O-ring is seated correctly, undamaged and lubricated. If the O-ring is not lubricated, a small amount of water can be used to provide lubrication. Ensure pipe is inserted fully to the stop.

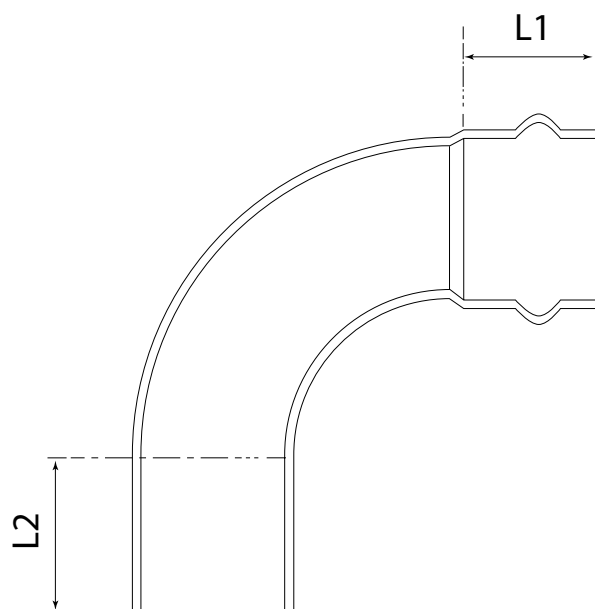


3. CRIMP THE FITTING

Select the correct sized V-jaw for the fitting size and position your hydraulic press tool over the join. Keep the button held down until the press cycle is fully completed. Finally, check that fitting has been properly crimped and test to ensure that a perfect seal has been achieved.

PRESSING VELPRESS FITTING

Steps 1 to 3 outlines the process of correct Installation of fittings.



Size	L1 (mm)	L2 (mm)
DN15	18.5 - 19.5	20.0
DN20	22.5 - 23.5	24.0
DN25	23.5 - 24.5	25.0
DN32	25.5 - 26.5	27.0
DN40	31.5 - 32.5	33.0
DN50	39.5 - 40.5	41.0
DN65	43.0 - 45.0	45.0
DN80	50.0 - 52.0	52.0
DN100	60.0 - 62.0	62.0

L2 represents the minimum insertion depth


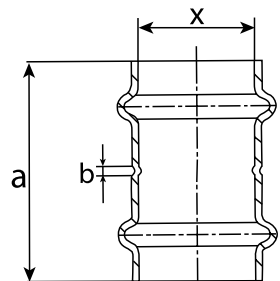
YOU CAN RELY ON VELPRESS

The Velpress joints can't be tampered with and the design ensures easy access. Fully certified, totally on-site practical with timeless performance. With a simple installation method and no brazing, it only takes seconds to create a permanent joint between pipe and fitting.


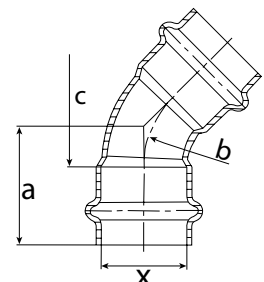
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RANGE 15-50MM


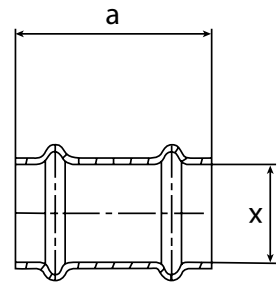
VELPRESS STRAIGHT COUPLING

				
Water Part No.	Size	a	b	X
49VPWSC15	15	38	2	15
49VPWSC20	20	47	2	20
49VPWSC25	25	48	2	25
49VPWSC32	32	54	3	32
49VPWSC40	40	66	3	40
49VPWSC50	50	82	3	50
Gas Part No.	Size	a	b	X
49VPSC15G	15	38	2	15
49VPSC20G	20	47	2	20
49VPSC25G	25	48	2	25
49VPSC32G	32	54	3	32
49VPSC40G	40	66	3	40
49VPSC50G	50	82	3	50


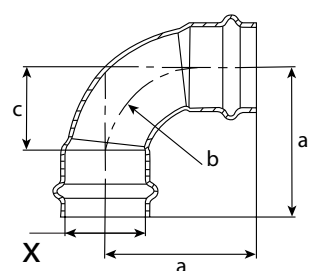
VELPRESS ELBOW 45°

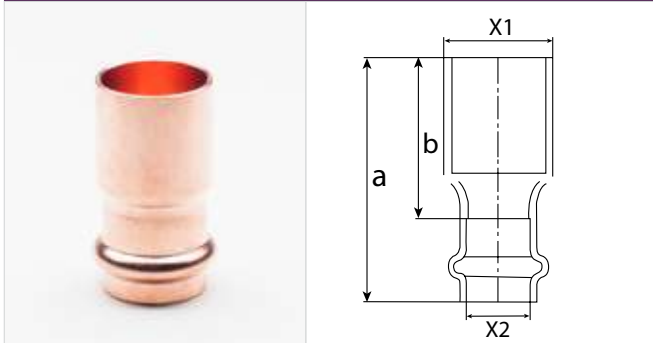
					
Water Part No.	Size	a	b	c	X
49VPW45E15	15	24	15.2	7.5	15
49VPW45E20	20	31.4	22.8	8.4	20
49VPW45E25	25	35	30.5	12	25
49VPW45E32	32	31	38.2	15	32
49VPW45E40	40	50.4	45.7	18.9	40
49VPW45E50	50	65.3	61	25.3	50
Gas Part No.	Size	a	b	c	X
49VP45E15G	15	24	15.2	7.5	15
49VP45E20G	20	31.4	22.8	8.4	20
49VP45E25G	25	35	30.5	12	25
49VP45E32G	32	31	38.2	15	32
49VP45E40G	40	50.4	45.7	18.9	40
49VP45E50G	50	65.3	61	25.3	50

VELPRESS STRAIGHT COUPLING

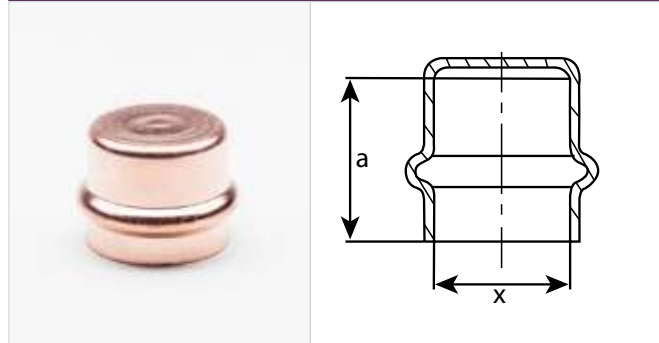
			
Water Part No.	Size	a	X
49VPWSLP15	15	38	15
49VPWSLP20	20	50	20
49VPWSLP25	25	50	25
49VPWSLP32	32	58	32
49VPWSLP40	40	66	40
49VPWSLP50	50	82	50

VELPRESS ELBOW 90°

					
Water Part No.	Size	a	b	c	X
49VPW90E15	15	30	15.2	13.5	15
49VPW90E20	20	42	22.8	19	20
49VPW90E25	25	53.5	30.5	30.5	25
49VPW90E32	32	59	38.2	33	32
49VPW90E40	40	76	45.7	44.5	40
49VPW90E50	50	97	61	57	50
Gas Part No.	Size	a	b	c	X
49VP90E15G	15	30	15.2	13.5	15
49VP90E20G	20	42	22.8	19	20
49VP90E25G	25	53.5	30.5	30.5	25
49VP90E32G	32	59	38.2	33	32
49VP90E40G	40	76	45.7	44.5	40
49VP90E50G	50	97	61	57	50


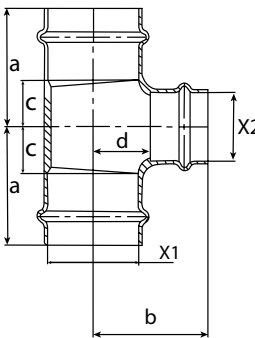
RANGE 15-50MM
VELPRESS STRAIGHT COUPLING


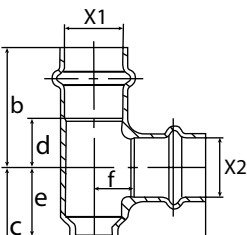
Water Part No.	Size	a	b	X1	X2
49VPWFR2015	20 x 15	50	33.5	20	15
49VPWFR2515	25 x 15	55	38.5	25	15
49VPWFR2520	25 x 20	55	32	25	20
49VPWFR3220	32 x 20	64	41	32	20
49VPWFR3225	32 x 25	62	39	32	25
49VPWFR4025	40 x 25	71	48	40	25
49VPWFR4032	40 x 32	69	42	40	32
49VPWFR5032	50 x 32	86	60	50	32
49VPWFR5040	50 x 40	88	56	50	40
Gas Part No.	Size	a	b	X1	X2
49VPFR2015G	20 x 15	50	33.5	20	15
49VPFR2515G	25 x 15	55	38.5	25	15
49VPFR2520G	25 x 20	55	32	25	20
49VPFR3225G	32 x 25	62	39	32	25
49VPFR4032G	40 x 32	69	42	40	32
49VPFR5032G	50 x 32	86	60	50	32
49VPFR5040G	50 x 40	88	56	50	40

VELPRESS STRAIGHT COUPLING


Water Part No.	Size	a	X
49VPWEC15	15	16.5	15
49VPWEC20	20	23	20
49VPWEC25	25	23	25
49VPWEC32	32	26	32
49VPWEC40	40	32	40
49VPWEC50	50	40	50
Gas Part No.	Size	a	X
49VPEC15G	15	16.5	15
49VPEC20G	20	23	20
49VPEC25G	25	23	25
49VPEC32G	32	26	32
49VPEC40G	40	32	40
49VPEC50G	50	40	50

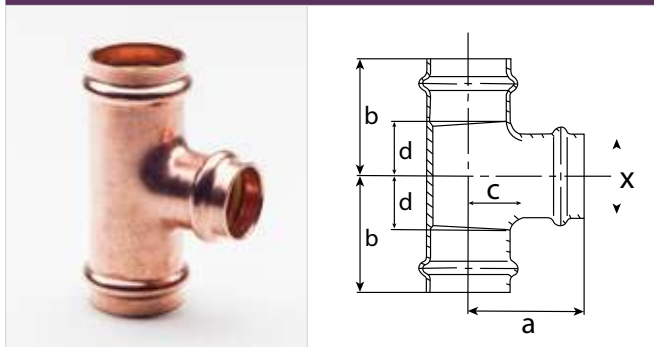
RANGE 15-50MM

VELPRESS UNEQUAL TEE								
	Water Part No.	Size	a	b	c	d	X1	X2
	49VPWTR201520	20 x 15 x 20	36.5	32	13.5	15.5	20	15
	49VPWTR251525	25 x 15 x 25	36.5	35.5	13.5	19	25	15
	49VPWTR252025	25 x 20 x 25	39.5	40.5	16.5	17.5	25	20
	49VPWTR321532	32 x 15 x 32	40	39.5	14	23	32	15
	49VPWTR322032	32 x 20 x 32	43.5	43.5	17.5	20.5	32	20
	49VPWTR322532	32 x 25 x 32	48.5	45.5	22.5	22.5	32	25
	49VPWTR402040	40 x 20 x 40	46.5	47.5	14.5	24.5	40	20
	49VPWTR402540	40 x 25 x 40	51.5	50.5	19.5	27.5	40	25
	49VPWTR403240	40 x 32 x 40	55	52	23.5	26	40	32
	49VPWTR502550	50 x 25 x 50	59.5	57.5	19.5	34.5	50	25
	49VPWTR504050	50 x 40 x 50	66	64	26	32	50	40
	Gas Part No.	Size	a	b	c	d	X1	X2
	49VPTR201520G	20 x 15 x 20	36.5	32	13.5	15.5	20	15
	49VPTR252025G	25 x 20 x 25	39.5	40.5	16.5	17.5	25	20
	49VPTR322032G	32 x 20 x 32	43.5	43.5	17.5	20.5	32	20
	49VPTR322532G	32 x 25 x 32	48.5	45.5	22.5	22.5	32	25
	49VPTR402040G	40 x 20 x 40	46.5	47.5	14.5	24.5	40	20
	49VPTR402540G	40 x 25 x 40	51.5	50.5	19.5	27.5	40	25
	49VPTR403240G	40 x 32 x 40	55	52	23.5	26	40	32
	49VPTR502550G	50 x 25 x 50	59.5	57.5	19.5	34.5	50	25
	49VPTR504050G	50 x 40 x 50	66	64	26	32	50	40

VELPRESS UNEQUAL TEE											
	Water Part No.	Size	a	b	c	d	e	f	X1	X2	X3
	49VPWTR201515	20 x 15 x 15	36	39	39	16	22.5	13	15	15	20
	49VPWTR202015	20 x 20 x 15	32	36.5	36.3	13.5	19.8	15.5	20	20	15
	Gas Part No.	Size	a	b	c	d	e	f	X1	X2	X3
	49VPTR201515G	20 x 15 x 15	36	39	39	16	22.5	13	15	15	20
	49VPTR202015G	20 x 20 x 15	32	36.5	36.3	13.5	19.8	15.5	20	20	15

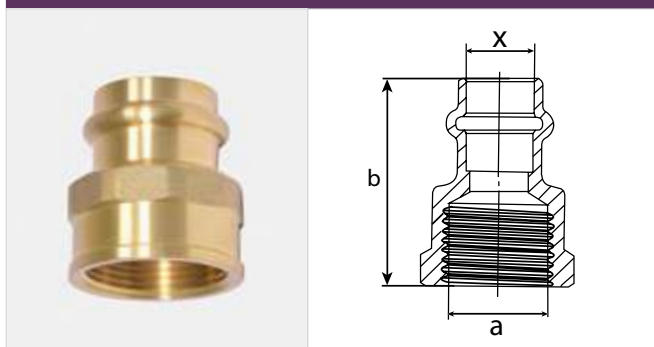
RANGE 15-50MM

VELPRESS EQUAL TEE



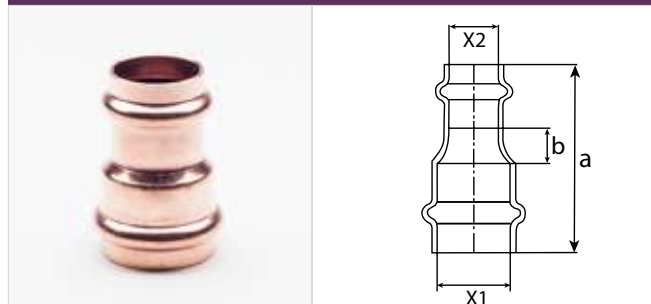
Water Part No.	Size	a	b	c	d	X
49VPWT15	15	28	31	11.5	14.5	15
49VPWT20	20	36	39	13	15.1	20
49VPWT25	25	41.5	43	18.5	19.1	25
49VPWT32	32	48.5	48.5	22.5	22.5	32
49VPWT40	40	57	57	25.5	25.5	40
49VPWT50	50	71	71	31	31	50
Gas Part No.	Size	a	b	c	d	X
49VPT15G	15	28	31	11.5	14.5	15
49VPT20G	20	36	39	13	15.1	20
49VPT25G	25	41.5	43	18.5	19.1	25
49VPT32G	32	48.5	48.5	22.5	22.5	32
49VPT40G	40	57	57	25.5	25.5	40
49VPT50G	50	71	71	31	31	50

VELPRESS BRASS FEMALE COUPLER



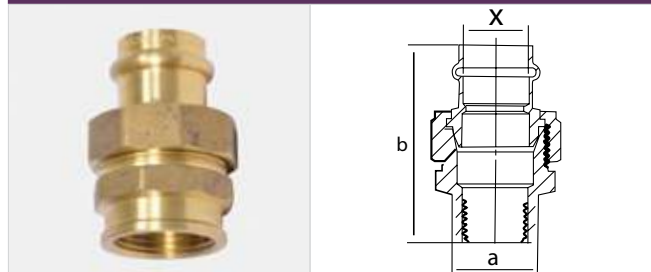
Water Part No.	Size	a	b	X
49VPWBRFC1515	15 x 15FI	1/2"	39	15
49VPWBRFC2020	20 x 20FI	3/4"	44	20
49VPWBRFC2525	25 x 25FI	1"	48	25
49VPWBRFC3232	32 x 32FI	1-1/4"	52	32
49VPWBRFC4040	40 x 40FI	1-1/2"	58	40
49VPWBRFC5050	50 x 50FI	2"	70.5	50

VELPRESS REDUCING COUPLING



Water Part No.	Size	a	b	X1	X2
49VPWRC2015	20 x 15	48.5	9	20	15
49VPWRC2515	25 x 15	55	15.5	25	15
49VPWRC2520	25 x 20	54	8	25	20
49VPWRC3225	32 x 25	58	9	32	25
49VPWRC4025	40 x 25	68	13.5	40	25
49VPWRC4032	40 x 32	67	9	40	32
49VPWRC5025	50 x 25	84	21	50	25
49VPWRC5032	50 x 32	83	17	50	32
49VPWRC5040	50 x 40	85	13	50	40
Gas Part No.	Size	a	b	X1	X2
49VPRC2015G	20 x 15	48.5	9	20	15
49VPRC2515G	25 x 15	55	15.5	25	15
49VPRC2520G	25 x 20	54	8	25	20
49VPRC3225G	32 x 25	58	9	32	25
49VPRC4025G	40 x 25	68	13.5	40	25
49VPRC4032G	40 x 32	67	9	40	32
49VPRC5025G	50 x 25	84	21	50	25
49VPRC5032G	50 x 32	83	17	50	32
49VPRC5040G	50 x 40	85	13	50	40

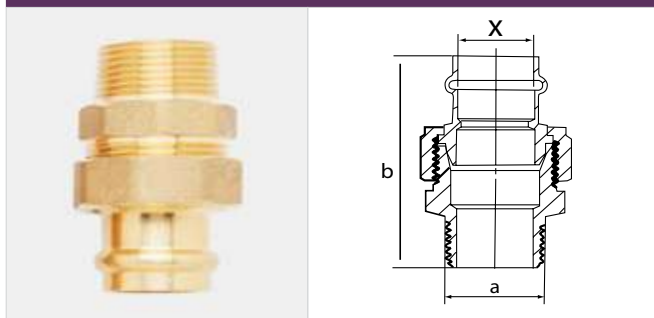
VELPRESS BRASS FEMALE BARREL UNION



Water Part No.	Size	a	b	X
49VPWBF12525	25 x 25FI	1"	78	25
49VPWBF13232	32 x 32FI	1-1/4"	80	32
49VPWBF14040	40 x 40FI	1-1/2"	88.5	40
49VPWBF15050	50 x 50FI	2"	104	50

RANGE 15-50MM

VELPRESS BRASS MALE BARREL UNION



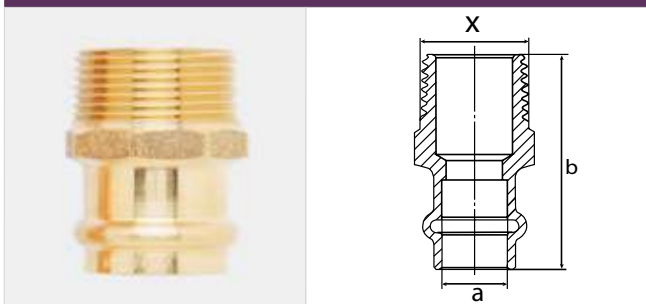
Water Part No.	Size	a	b	X
49VPWBM11515	15 x 15MI	1/2"	58	15
49VPWBM12020	20 x 20MI	3/4"	67	20
49VPWBM12525	25 x 25MI	1"	78	25
49VPWBM13232	32 x 32MI	1-1/4"	80	32
49VPWBM14040	40 x 40MI	1-1/2"	88.5	40
49VPWBM15050	50 x 50MI	2"	104	50
Gas Part No.	Size	a	b	X
49VPBM11515G	15 x 15MI	1/2"	58	15
49VPBM12020G	20 x 20MI	3/4"	67	20
49VPBM12525G	25 x 25MI	1"	78	25
49VPBM13232G	32 x 32MI	1-1/4"	80	32
49VPBM14040G	40 x 40MI	1-1/2"	88.5	40
49VPBM15050G	50 x 50MI	2"	104	50

VELPRESS TO VELPEX ADAPTER



Water Part No.	Size
49VPWCXLA16	15 x 16
49VPWCXLA20	20 x 20
49VPWCXLA25	25 x 25
Gas Part No.	Size
49VPCXLA16G	15 x 16
49VPCXLA20G	20 x 20
49VPCXLA25G	25 x 25

VELPRESS BRASS MALE COUPLER



Water Part No.	Size	a	b	X
49VPWBRMC1515	15 x 15MI	1/2"	42	15
49VPWBRMC1520	15 x 20MI	3/4"	16	15
49VPWBRMC2015	20 x 15MI	1/2"	44.5	20
49VPWBRMC2020	20 x 20MI	3/4"	48	20
49VPWBRMC2520	25 x 20MI	3/4"	47	25
49VPWBRMC2525	25 x 25MI	1"	52.5	25
49VPWBRMC3232	32 x 32MI	1-1/4"	56.5	32
49VPWBRMC4040	40 x 40MI	1-1/2"	64.5	40
49VPWBRMC5050	50 x 50MI	2"	78	50
Gas Part No.	Size	a	b	X
49VPBRMC1515G	15 x 15MI	1/2"	42	15
49VPBRMC1520G	15 x 20MI	3/4"	16	15
49VPBRMC2015G	20 x 15MI	1/2"	44.5	20
49VPBRMC2020G	20 x 20MI	3/4"	48	20
49VPBRMC2520G	25 x 20MI	3/4"	47	25
49VPBRMC2525G	25 x 25MI	1"	52.5	25
49VPBRMC3232G	32 x 32MI	1-1/4"	56.5	32
49VPBRMC4040G	40 x 40MI	1-1/2"	64.5	40
49VPBRMC5050G	50 x 50MI	2"	78	50

VELPRESS WATER TO VELTANIUM ADAPTER



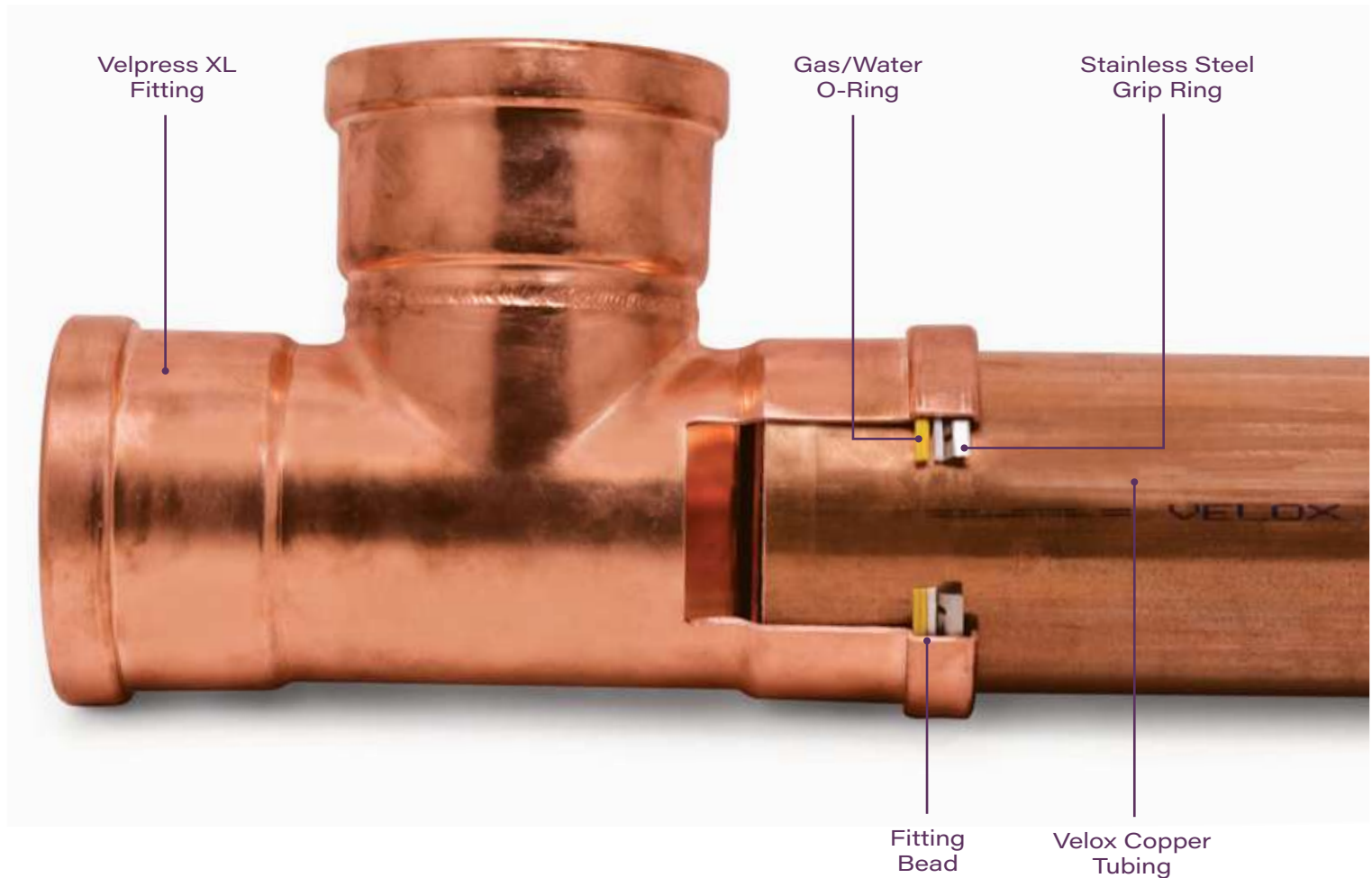
Water Part No.	Size
49VPWVXA16	15 x 16
49VPWVXA20	20 x 20
49VPWVXA25	25 x 25

velpress **XL**



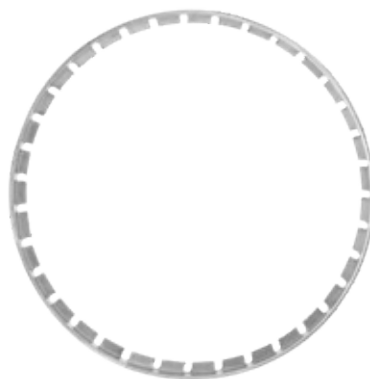
VELPRESS XL FEATURES

Velpress XL has only three internal parts, the O-ring, grip ring and the seal. Both parts have an internal diameter larger than the tube, which allows for easy tube insertion and pre press leak indication.



STAINLESS STEEL GRIP RING

Complete diameter grip with equally spaced collapse zones ensures all round equal grip on the tube diameter and even seal compression between tube.



INSTALLATION INSTRUCTIONS

Using a fast, secure and flame-free installation process, Velpress XL is easy to both install and inspect. Velpress XL is installed with a hydraulic press tool with a compatibly sized V profile jaw. Once complete, the fitting forms a permanent and durable joint with the pipe and has a 25-year warranty ensuring you peace of mind.



1. MARK THE DEPTH OF THE PIPE

We recommend that you use a Velpress Pipe Cutter to cut your pipe to the correct length. Ensure that the pipe is cut completely square and that tube ends are clean and free from scratches to at least the length of the socket.



2. DEBURR AND CLEAN

To prevent damage to the O-ring, ensure that the tube end is free from burrs or sharp edges both internally and externally by using a deburring tool and or file and then wiping the tube ends clean.



3. INSERT THE PIPE INTO THE FITTING

Before inserting the copper tube, ensure that the O-ring is seated correctly, undamaged and lubricated. If the O-ring is not lubricated, a small amount of water can be used to provide lubrication.

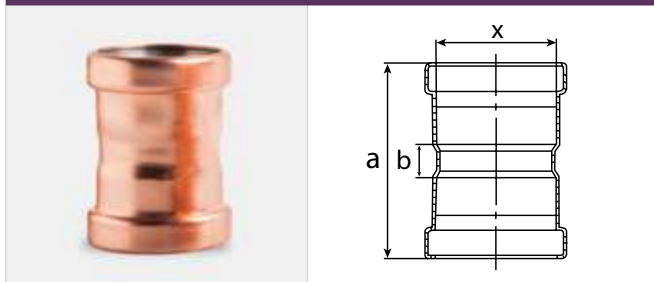


4. CRIMP THE FITTING

Select the correct sized crimp ring and attach to adaptor jaw. Position your hydraulic press tool on the join. Keep the button held down until the press cycle is fully completed. Finally, check that fitting has been properly crimped and test to ensure that a perfect seal has been achieved.

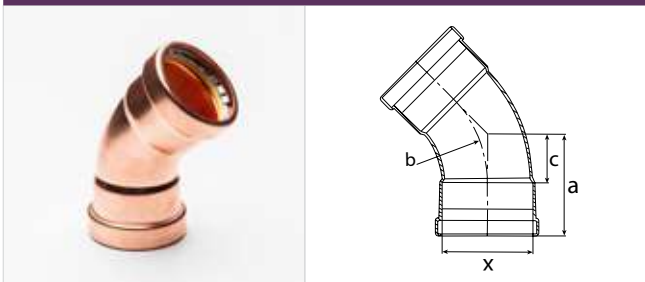
RANGE 65-100MM

VELPRESS XL STRAIGHT COUPLING



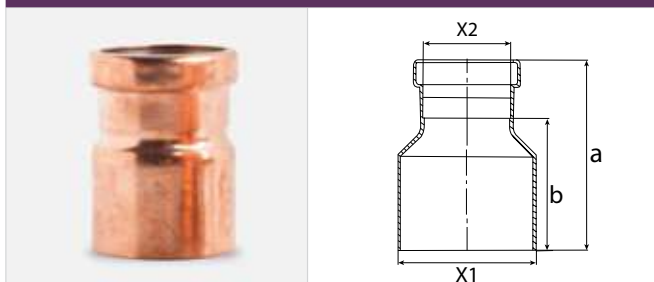
Water Part No.	Size	a	b	X
49VPWSC65	65	108	20	65
49VPWSC80	80	122	20	80
49VPWSC100	100	148	28	100
Gas Part No.	Size	a	b	X
49VPSC65G	65	108	20	65
49VPSC80G	80	122	20	80
49VPSC100G	100	148	28	100

VELPRESS XL ELBOW 45°



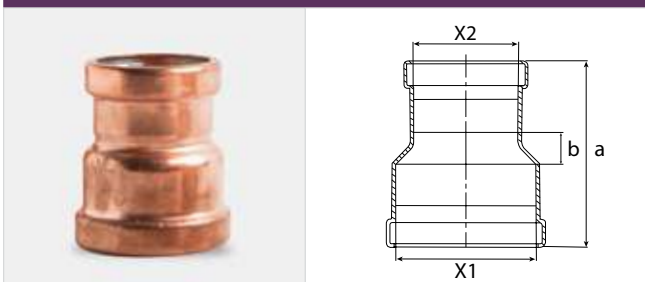
Water Part No.	Size	a	b	c	X
49VPW45E65	65	121	76.4	76.4	65
49VPW45E80	80	147	95.1	95	80
49VPW45E100	100	180	132.1	120	100
Gas Part No.	Size	a	b	c	X
49VP45E65G	65	121	76.4	76.4	65
49VP45E80G	80	147	95.1	95	80
49VP45E100G	100	180	132.1	120	100

VELPRESS XL FITTING REDUCER



Water Part No.	Size	a	b	X1	X2
49VPWFR6540	65 x 40	102	70	65	40
49VPWFR6550	65 x 50	104	64	65	50
49VPWFR8050	80 x 50	120	80	80	50
49VPWFR8065	80 x 65	118	75	80	65
49VPWFR10050	100 x 50	142	102	100	50
49VPWFR10065	100 x 65	140	97	100	65
49VPWFR10080	100 x 80	144	92	100	80
Gas Part No.	Size	a	b	X1	X2
49VPFR6550G	65 x 50	104	64	65	50
49VPFR8065G	80 x 65	118	75	80	65
49VPFR10050G	100 x 50	142	102	100	50

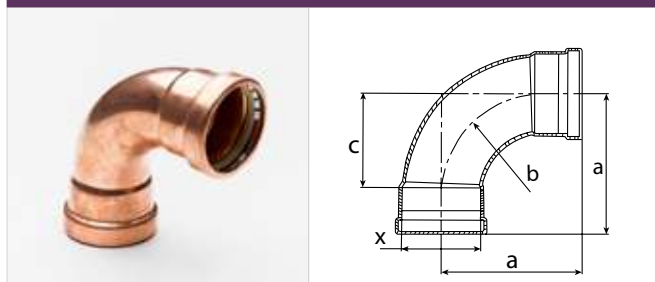
VELPRESS XL REDUCING COUPLING



Water Part No.	Size	a	b	X1	X2
49VPWRC6532	65 x 32	94	25	65	32
49VPWRC6550	65 x 50	100	17	65	50
49VPWRC8065	80 x 65	110	15	80	65
49VPWRC10080	100 x 80	135	23	100	80
Gas Part No.	Size	a	b	X1	X2
49VPRC6550G	65 x 50	100	17	65	50
49VPRC8050G	80 x 50	114	22	80	50
49VPRC8065G	80 x 65	110	15	80	65
49VPRC10080G	100 x 80	135	23	100	80

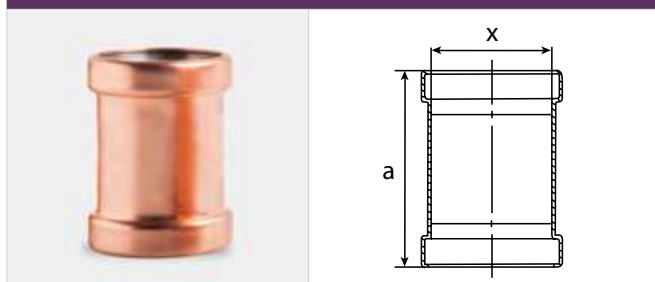
RANGE 65-100MM

VELPRESS XL ELBOW 90°



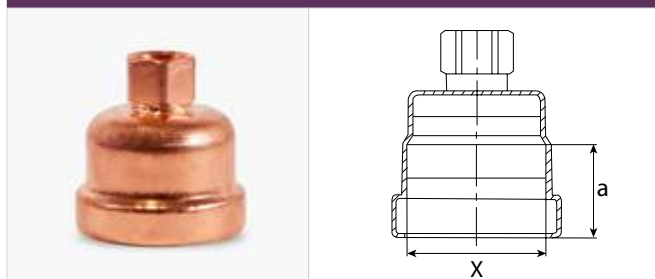
Water Part No.	Size	a	b	c	X
49VPW90E65	65	121	76.4	76.4	65
49VPW90E80	80	147	95.1	95	80
49VPW90E100	100	180	132.1	120	100
Gas Part No.	Size	a	b	c	X
49VP90E65G	65	121	76.4	76.4	65
49VP90E80G	80	147	95.1	95	80
49VP90E100G	100	180	132.1	120	100

VELPRESS XL SLIP COUPLING



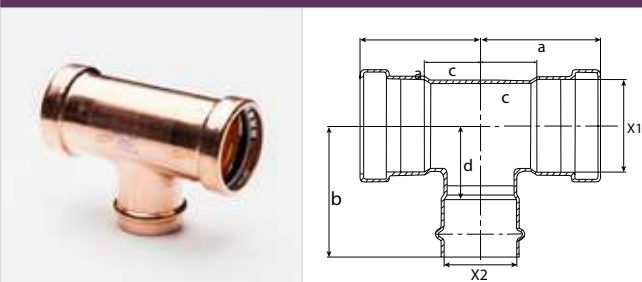
Water Part No.	Size	a	X
49VPWSLP65	65	108	65
49VPWSLP80	80	122	80
49VPWSLP100	100	148	100

VELPRESS XL END CAP



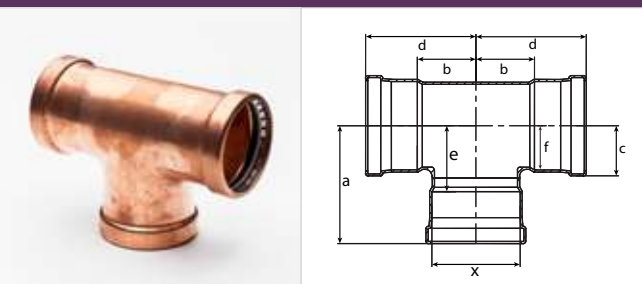
Water Part No.	Size	a	X
49VPWEC65	65	43	65
49VPWEC80	80	52	80
49VPWEC100	100	60	100

VELPRESS XL UNEQUAL TEE



Water Part No.	Size	a	b	c	d	X1	X2
49VPWTR655065	65 x 50 x 65	84	92	41	52	65	50
49VPWTR805080	80 x 50 x 80	89	98	37	58	80	50
49VPWTR806580	80 x 65 x 80	93	104	41	61	80	65
49VPWTR10050100	100 x 50 x 100	102.5	111	42.5	71	100	50
49VPWTR10065100	100 x 65 x 100	107	117	47	75	100	65
49VPWTR10080100	100 x 80 x 100	114	126	54	74	100	80
Gas Part No.	Size	a	b	c	d	X1	X2
49VPTR655065G	65 x 50 x 65	84	92	41	52	65	50
49VPTR805080G	80 x 50 x 80	89	98	37	58	80	50
49VPTR10050100G	100 x 50 x 100	102.5	111	42.5	71	100	50
49VPTR10065100G	100 x 65 x 100	107	117	47	75	100	65

VELPRESS XL EQUAL TEE



Water Part No.	Size	a	b	c	d	e	f	X
49VPWT65	65	97.8	44.4	39.1	89	54.8	34.3	65
49VPWT80	80	112	48	45.1	100	60.8	40.5	80
49VPWT100	100	136.2	68	58	128	76.2	53.7	100
Gas Part No.	Size	a	b	c	d	e	f	X
49VPT65G	65	97.8	44.4	39.1	89	54.8	34.3	65
49VPT80G	80	112	48	45.1	100	60.8	40.5	80
49VPT100G	100	136.2	68	58	128	76.2	53.7	100

DISTANCE BETWEEN COPPER FITTINGS

Due to the reforming of the tube profile when pressed, it is advised that a minimum distance, is allowed between each fitting.

Fitting Size	Minimum Clearance (mm)
DN15	5
DN20	5
DN25	5
DN32	10
DN40	15
DN50	20
DN65	20
DN80	20
DN100	20

BRAZING DISTANCE BETWEEN COPPER FITTINGS

Caution – Brazing or soldering near to Velpress joints should be avoided as this may cause the seal to degrade due to heat transfer. The table below states the minimum distance away from the press joint which is acceptable to braze. If this distance cannot be main tained then adequate precautions must be taken such as fabricating the brazed section prior to assembly with the press fittings, wrapping in a wet rag or applying a heat barrier spray, to prevent heat transfer to the press fitting during brazing.

Tube Size	Minimum Clearance (mm)
DN15	350
DN20	500
DN25	650
DN32	800
DN40	1000
DN50	1300
DN65	1600
DN80	2000
DN100	2500

VELPRESS NOVOPRESS KITS



Velpress Mini Jaws
* Suits Novopress ACO153



Velpress Jaws
* Suits Novopress ACO203



Velpress XL Jaw Adapter
* Suits Novopress ACO203



Velpress XL Ring Jaws
* Suits Novopress ACO203
with Jaw Adapter



Velpress Mini Tool Kit 15-32



Velpress Tool and Jaw Kit 15-50



Velpress Jaw Kit 40-50



Velpress XL Jaw Kit 65-100 * Suits Novopress ACO203

