



# Press-fit Joining System for Copper Tube

PROFESSIONAL FITTING SYSTEM FOR GAS & WATER INSTALLATIONS



OVER 300 FITTING TYPES

Propress<sup>™</sup>  
GAS

Propress<sup>™</sup>  
WATER

COPPER TUBING → PROPRESS FITTINGS → TOTAL COPPER SYSTEM

The Crane Copper Tube 'Viega Propress' system is an ultra-fast, press-fit joining system for permanent, professional connection of DN15 to DN100 copper tube.



State-of-the-art press-fit technology delivers fast and reliable joints every time.



## The right connection for your GAS and WATER applications

### → State-of-the-art Connection Technology:

The Viega Propress system integrates state-of-the-art press-fit technology and purpose designed fittings to deliver today's most efficient and reliable copper tube connection method for both gas and water applications.

### → Fast, No Fuss Connections:

No soldering, no welding, no glue, no fuss. The consistent pressing force delivered by the pressing tool ensures a secure, permanent, non-detachable connection every time.

### → No Flame – No Fire:

Cold jointing means no danger of fire or heat damage during installation. No moving and set-up of gas bottles and hoses means faster installations and improved on-site safety.

### → Joints Produced in Just Seconds:

Ultra-fast connection in comparison to brazed or soldered connections, and there's far less risk of errors and call back problems, thus greatly improving your economic efficiency.

### → Amazingly Simple to Use:

The system offers all you need, from quality Crane copper tube, through an extensive selection of fittings to efficient pressing tools and appropriate pressing jaws. Propress fittings are fully self contained, with no additional components to fit or adjust.

### → Save Time and Effort:

Fittings generally apply sufficient hold so you can assemble the components first, then work quickly and efficiently from one end to the other with the pressing tool.



No soldering, no welding, no gluing... just fast, no fuss joints for commercial, industrial, multi-residential and domestic **gas** and **water** installations.

## German engineering, German quality fittings, Internationally proven

### → Tested to Recognised International and Australian Standards:

Propress fittings are manufactured using the highest quality materials and state-of-the-art equipment to deliver guaranteed results every time. Propress fittings are tested to strict internationally recognised standards, including DVGW (German Association of Gas and Water Specialists), GASTEC and KIWA standards and comply with Australian standards where applicable.

### → Unique 'Smart Connect' Visible Test Safety:

A unique breakthrough in terms of safety sets Viega's metal press-fitting systems apart from the rest. 'Smart Connect' is a small bypass chamber which at first provides a positive leakage point, but is completely sealed during the pressing process. Any Propress connection which is yet to be pressed is revealed by visible leakage (water systems) and/or a pressure drop (gas and water installations) during line testing. This innovation is referred to as 'visible test safety' and is particularly important where gas is involved.

### → Strong Permanent Connection:

To ensure that Viega press fittings are secure and able to cope with maximum forces, fittings up to DN50 are double pressed in one operation - on either side of the seal, while Propress XL fittings (DN65 to DN100) incorporate a stainless steel grip-ring which ensure a strong burst-proof joint.

### → Tube Guides for Safer Joints:

Viega press fittings incorporate a cylindrical guide tube in front and behind the seal. This prevents the tube tilting and possibly damaging the sealing element during installation and pressing.

### → Full-Flow Fittings:

Propress fittings maintain the full bore of the tube. Fittings provide bend radii that are larger than traditional capillary fittings. Flow calculations can be made as per capillary fittings.

### → Guaranteed for 25 Years:

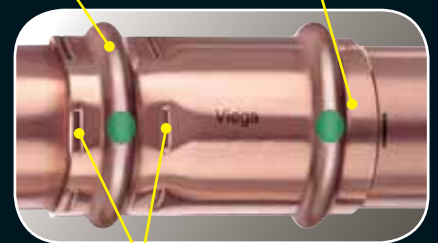
Only Crane copper tube has been tested and approved for use with the Viega Propress system. When installed to specifications on Crane copper tube, Propress fittings are guaranteed for 25 years against leaks from faulty materials or manufacture.



A non-pressed fitting is easy to identify as it will produce an obvious leak.

Positively retained sealing element ensures perfect seal.

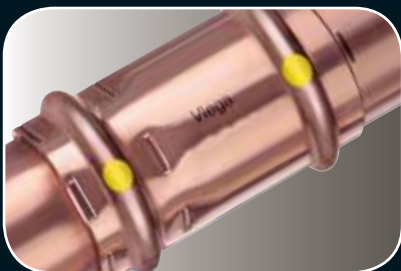
Tube guides prevent tube from tilting during assembly and pressing.



Double press-fit joints for greater joint strength (DN15 to DN50).



Once pressed, PropressG fittings are permanent and guaranteed to be leak free.



PropressG fittings are distinguished by YELLOW markings to indicate that they are intended for GAS applications, and are also equipped with a YELLOW sealing element.

## The professional press-fit connection for Gas

### → Fittings Specifically Designed for Gas Installations:

PropressG fittings have been designed for use in gas installations, and are easily recognised by YELLOW markings. PropressG fittings also have a yellow sealing element.

### → Extensive Range of Low Cost Fittings:

PropressG fittings are currently available to cater for most standard connection requirements for DN15 to DN100 (½" to 4") copper tube installations. Please refer to the following pages for product details.

### → Approved for use throughout Australia:

PropressG fittings are approved for use throughout Australia, and can be used behind or in walls, in direct sunlight and underground. PropressG fittings can be used for natural gas, LPG, compressed air and oil line installations.

### → Use Crane Industry Standard Tube:

PropressG fittings are suitable for use with Crane copper tube Type A and B industry standard gas tube sizes.



## The professional press-fit connection for Water

### → Fittings Specifically Designed for Water Installations:

Propress fittings have been designed for use in a wide range of water applications, and are easily recognised by GREEN markings and a black sealing element manufactured from EPDM.

### → Australian Tested and Watermark Approved:

Propress fittings have been tested to AS3688 and have received Watermark approval N°LN21120 for use with hot and cold potable water applications up to 110°C, and a safe working pressure up to 1600kPa. Propress fittings are compatible with Crane copper tube Type A, B and C industry standard water tube sizes. Please consult Crane Copper Tube for applications outside these specifications.

### → Extensive Range of Low Cost Fittings:

Propress fittings are manufactured from the highest quality copper or bronze materials and are currently available to cater for most standard connection requirements for DN15 to DN100 (½" to 4"). Please refer to the following pages for product details.

### → Versatility to suit most Construction Applications:

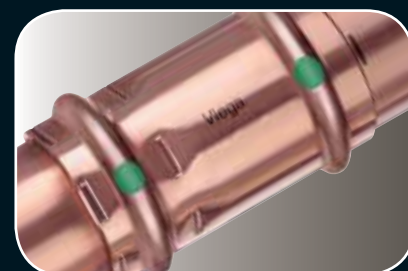
Propress fittings can be used behind or in walls, in direct sunlight and underground. Propress fittings can also be used for solar water, drainage and compressed air (max 25mg/m<sup>3</sup> oil concentration).

### → Cost-effective for All Water Line Systems:

Excellent for retrofit and remodelling installations. Can be connected to existing copper lines.



Strong and reliable permanent joints in seconds with the easy to operate hand-held pressing tool.










Propress fittings are distinguished by GREEN markings to indicate that they are intended for WATER applications, and are also equipped with a BLACK sealing element.


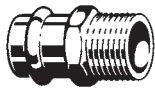



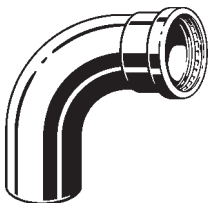
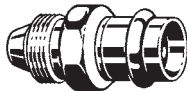




Extensive range of fittings and sizes from DN15 to DN100 in both GAS and WATER.



PropressG fittings are distinguished by YELLOW markings to indicate that they are intended for GAS applications, and are also equipped with a YELLOW sealing element.

Propress™		GAS		Water		
Description	Size	Product Code	Pack Qty	Product Code	Pack Qty	
	DN15	50119364	10	50119457	10	
	DN18	N/A		50133582	10	
	DN20	50119388	10	50119458	10	
	DN25	50122662	5	50122415	5	
	DN32	50122663	1	50122416	1	
	DN40	50122664	1	50122420	1	
	DN50	50122665	1	50122422	1	
	DN65	50133533	1	50122423	1	
	DN80	50133534	1	50122424	1	
	DN100	50133535	1	50122426	1	
	DN20x15	50119408	10	50119459	10	
	DN25x15	50132996	5	50122427	10	
	DN25x20	50122666	10	50122428	10	
	DN32x15	50132997	1	50122429	1	
	DN32x20	50132998	1	50122430	1	
	DN32x25	50122667	1	50122431	1	
	DN40x20	50132999	1	50122432	1	
	DN40x25	50133000	1	50122433	1	
	DN40x32	50122668	1	50122435	1	
	DN50x20	50133001	1	50122436	1	
	DN50x25	50133002	1	50122437	1	
	DN50x32	50133003	1	50122438	1	
	DN50x40	50122669	1	50122439	1	
	DN65x32	50133539	1	50122440	1	
	DN65x40	50133540	1	50122441	1	
	DN65x50	50133541	1	50122442	1	
	DN80x40	50133542	1	50122443	1	
	DN80x50	50133543	1	50122444	1	
		DN80x65	50133544	1	50122445	1
DN100x50		50133536	1	50122446	1	
DN100x65		50133537	1	50122448	1	
DN100x80		50133538	1	50122449	1	
Reducer (Reduces a Viega Fitting)		DN20x15	50132991	5	50132889	5
DN25x15		50132992	5	50132901	5	
DN25x20		50132993	5	50132978	5	
DN32x20		50132994	1	50132979	1	
DN32x25		50132995	1	50132980	1	
DN65x40		50133548	1	50133571	1	
	DN65x50	50133549	1	50133572	1	
	DN80x40	50133550	1	50133573	1	
	DN80x50	50133551	1	50133574	1	
	DN80x65	50133552	1	50133575	1	
	DN100x50	50133545	1	50133576	1	
	DN100x65	50133546	1	50133577	1	
	DN100x80	50133547	1	50133578	1	
		Repair Coupling (No Stops)	DN15	50119416	5	50119460
DN20		50119417	5	50119461	10	
DN25		50122670	5	50122454	5	
DN32		50122671	1	50122460	1	
DN40		50122672	1	50122461	1	
DN50		50122673	1	50122462	1	
		DN65	50133553	1	50122463	1
		DN80	50133554	1	50122464	1
		DN100	50133555	1	50122465	1

Propress™		GAS		Water	
Description	Size	Product Code	Pack Qty	Product Code	Pack Qty
 Female line Adaptor (No.2)	DN15x1/2"	50119419	10	50119462	10
	DN18x1/2"	N/A		50133581	5
	DN20x3/4"	50119423	10	50119463	10
	DN25x1"	50122674	10	50122466	10
	DN32x1/4"	N/A		50122467	1
	DN40x1 1/2"	N/A		50122468	1
	DN50x2"	N/A		50122469	1
 Male line Adaptor (No.3)	DN15x1/2"	50119428	10	50119464	10
	DN18x1/2"	N/A		50133579	5
	DN18x3/4"	N/A		50133580	5
	DN20x3/4"	50119434	10	50119465	10
	DN25x1"	50122675	10	50122470	10
	DN32x1 1/4"	50122676	1	50122471	1
	DN40x1 1/2"	50122677	1	50122472	1
	DN50x2"	50122678	1	50122473	1
 Elbow 90° (Female-Female No.12)	DN15	50119445	10	50119466	10
	DN18	N/A		50133583	10
	DN20	50119486	10	50119467	10
	DN25	50122679	10	50122490	5
	DN32	50122680	1	50122491	1
	DN40	50122681	1	50122496	1
	DN50	50122682	1	50122499	1
	DN65	50133524	1	50122500	1
	DN80	50133525	1	50122502	1
	DN100	50133526	1	50122503	1
 Elbow 90° (Male - Female)	DN15	50119446	10	50119468	10
	DN20	50119447	10	50119469	10
	DN25	50122683	10	50122504	10
	DN32	50122684	1	50122505	1
	DN40	50122685	1	50122506	1
	DN50	50122686	1	50122507	1
	DN65	50133521	1	50122508	1
	DN80	50133522	1	50122509	1
	DN100	50133523	1	50122510	1
 Flared Male Adaptor	DN15x1/2"	N/A		50119483	5
	DN20x3/4"	N/A		50119484	5
 Union (No.62)	DN15x1/2"	50133014	5	50121369	5
	DN20x1/2"	50133015	5	50132986	5
	DN20x3/4"	50133016	5	50121370	5
 Union (No.69)	DN25x1"	50133017	5	50132987	5
	DN32x1 1/4"	50133018	1	50132988	1
	DN40x1 1/2"	50133019	1	50132989	1
	DN50x2"	50133020	1	50132990	1



Strong and reliable permanent joints in seconds with the easy to operate hand-held pressing tool.




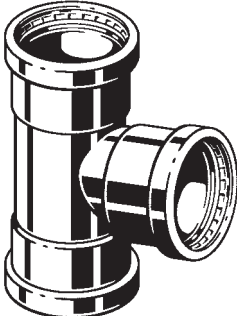
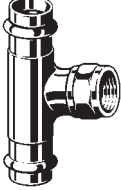
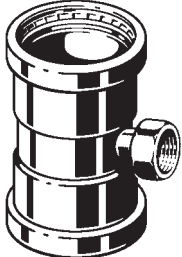
Propress fittings are distinguished by GREEN markings to indicate that they are intended for WATER applications, and are also equipped with a BLACK sealing element.





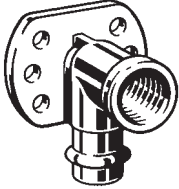
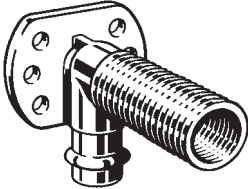
Fast, versatile and reliable installation improves efficiency and reduces costs.



PropressG fittings are distinguished by YELLOW markings to indicate that they are intended for GAS applications, and are also equipped with a YELLOW sealing element.

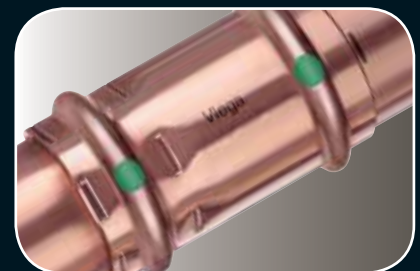
Propress™		GAS		Water	
Description	Size	Product Code	Pack Qty	Product Code	Pack Qty
	DN15	50119448	10	50119470	10
	DN18	N/A		50133584	5
	DN20	50119449	10	50119471	10
	DN25	50122687	1	50122585	5
	DN32	50122688	1	50122586	1
	DN40	50122689	1	50122587	1
	DN50	50122690	1	50122588	1
	DN20x15x15	50119450	10	50119472	10
	DN20x20x15	50119451	10	50119473	10
	DN20x15x20	N/A		50119475	5
	DN25x25x15	50133004	1	50122589	5
	DN25x25x20	50122691	1	50122590	5
	DN32x32x15	50133005	1	50122591	1
	DN32x32x25	50122692	1	50122593	1
	DN40x40x25	50133006	1	50122594	1
	DN40x40x32	50122693	1	50122595	1
	DN50x50x20	50133007	1	50122596	1
	DN50x50x25	50133008	1	50122597	1
	DN50x50x32	50133009	1	50122599	1
	DN50x50x40	50122694	1	50122600	1
	DN65	50133556	1	50122602	1
	DN80	50133558	1	50122603	1
	DN100	50133561	1	50122604	1
	DN65x65x50	50133557	1	50122608	1
	DN80x80x50	50133559	1	50122611	1
	DN80x80x65	50133560	1	50122612	1
	DN100x100x50	50133562	1	50122613	1
	DN100x100x65	50133563	1	50122614	1
	DN100x100x80	50133564	1	50122615	1
	Tee Adaptor (with Female Thread) 	DN25x25x½"	N/A		50122573
DN25x25x¾"		N/A		50122574	5
DN32x32x½"		N/A		50122575	1
DN32x32x¾"		N/A		50122576	1
DN40x40x½"		N/A		50122577	1
DN50x50x¾"		N/A		50122578	1
	DN65x65x¾"	50133566	1	50122579	1
	DN65x65x2"	50133565	1	50122580	1
	DN80x80x¾"	50133568	1	50122581	1
	DN80x80x2"	50133567	1	50122582	1
	DN100x100x¾"	50133569	1	50122583	1
	DN100x100x2"	50133570	1	50122584	1



Propress™		GAS		Water	
Description	Size	Product Code	Pack Qty	Product Code	Pack Qty
 Elbow 45° (Female - Female)	DN25	50122695	5	50122616	5
	DN32	50122696	1	50122619	1
	DN40	50122697	1	50122620	1
	DN50	50122698	1	50122621	1
 Elbow 45° (Female - Male)	DN60	50133518	1	50122623	1
	DN80	50133519	1	50122624	1
	DN100	50133520	1	50122625	1
 Elbow 45° (Male - Female)	DN25	50122699	5	50122626	5
	DN32	50122700	1	50122628	1
	DN40	50122701	1	50122630	1
	DN50	50122702	1	50122631	1
 Elbow 45° (Male - Male)	DN65	50133515	1	50122632	1
	DN80	50133516	1	50122634	1
	DN100	50133517	1	50122635	1
 Back-plated Female Elbow (15BP)	DN15x½"	50119452	5	50119476	5
	DN20x¾"	50119453	5	50119477	5
 Back-plated Male Elbow (19BP)	DN15 (½"x75)	50119454	5	50119478	5



Stainless steel grip-ring in DN65 to DN100 fittings ensures strong burst-proof joint.



Propress fittings are distinguished by GREEN markings to indicate that they are intended for WATER applications, and are also equipped with a BLACK sealing element.

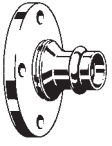
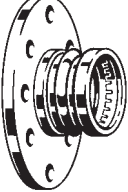


## Professional pressing tools for

**Propress<sup>™</sup>G**  
GAS

**Propress<sup>™</sup>**  
WATER



Viega Picco tool kit

Propress <sup>™</sup>		GAS		Water	
Description	Size	Product Code	Pack Qty	Product Code	Pack Qty
Flange (AS2129 Table E) 	DN25	N/A		50122646	1
	DN32	N/A		50122650	1
	DN40	N/A		50122651	1
	DN50	N/A		50122652	1
	DN65	50133527	1	50122653	1
	DN80	50133528	1	50122655	1
	DN100	50133529	1	50122656	1
Cap (DN65, 80,100 with Female Thread) 	DN15	50119455	10	50119479	10
	DN20	50119456	10	50119482	10
	DN25	50133010	5	50122637	5
	DN32	50133011	1	50122638	1
	DN40	50133012	1	50122639	1
	DN50	50133013	1	50122640	1
	DN65	50133530	1	50122641	1
	DN80	50133531	1	50122642	1
	DN100	50133532	1	50122644	1

## Professional pressing tools for

**Propress<sup>™</sup>G**  
GAS

**Propress<sup>™</sup>**  
WATER

### → The Viega Picco Pressing Tool:

The Viega Picco tool is a lightweight yet powerful battery-powered electro-hydraulic tool for press-fit joining of both PropressG (gas) and Propress (water) installations using DN15, DN18, DN20 and DN25 copper tube. (Jaws are not interchangeable with the PT3/B4 models).

### → The Viega PT3-AH & B4 Pressing Tools:

These Viega models are for press-fit joining of both PropressG (gas) and Propress (water) installations using all copper tube sizes from DN15 to DN100 (excluding DN18). (Jaws are not interchangeable with the Picco tool).

### → Easy to Operate, Safe and Reliable:

Automatic forced compression, electronic monitoring of bolt safety and temperature, plus battery charge level and service interval display, all make working with the Viega pressing tools so easy, so quick, and so dependable.

### → Rotatable Head for Easier Access:

The Viega pressing tools also provide easy access to hard to reach joints as the head can be rotated up to 90°.

### → Quality Swiss Design and Manufacture:

All Viega pressing tools are designed and manufactured in Switzerland by Von Arx AG, which also manufactures appropriate pressing tools sold under the RIDGID® brand name.

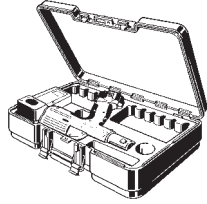
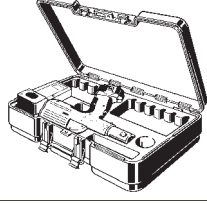
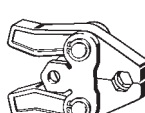
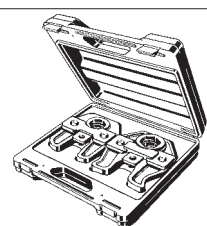
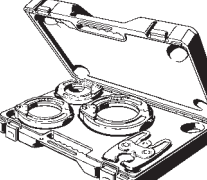
# Professional pressing tools for

**Propress<sup>™</sup>**  
GAS  
**Propress<sup>™</sup>**  
WATER

Propress <sup>™</sup> – Picco Tools		
Description	Size	Product Code
 <p>Picco Pressing Tool Kit</p>	Picco Tool with DN15 & DN20 jaws, battery, charger and carry case	50120476
 <p>Pressing Jaws to suit Picco Tool</p>	DN15	50125505
	DN18	50133585
	DN20	50125506
	DN25	50125507



Viega Picco Tool

Propress <sup>™</sup> – PT3 & B4 Tools		
Description	Size	Product Code
 <p>PT3-AH Tool with battery, charger and carry case</p>		50125508
 <p>B4 Pressgun with battery, charger and carry case</p>		50133586
 <p>Pressing Jaws to suit PT3-AH</p>	DN15	50121367
	DN20	50121368
	DN25	50125511
	DN32	50125512
 <p>Set of Jaws DN40 and DN50 in carry case</p>		50125514
 <p>Set of Jaws DN65, DN80, DN100 in carry case</p>		50125515



Viega PT3-AH Tool



# Propress<sup>™</sup>G GAS

# Propress<sup>™</sup> WATER



- Ultra-fast installation.
- Permanent, strong, leak-free joints.
- No brazing, soldering or gluing required.
- Improves safety and efficiency.
- No need to drag gas bottles and hoses around the site.
- PropressG has approval for DN15 to DN100 gas installations Australia wide.
- Propress has Watermark approval for DN15 to DN100 water installations Australia wide.
- Designed for industry standard sized copper tube, can connect to existing copper lines.
- Joints can be pressed with pressure in the line.
- Proven track record with over 1 billion fittings in use worldwide.
- German precision engineered and manufactured fittings.
- Guaranteed for 25 years, with a design life of over 50 years.
- Superior pressure and temperature ratings.
- Can be used behind or in walls, in direct sunlight and underground.
- Cylindrical tube guide to protect sealing element during assembly.
- 'Smart Connect' leak detection feature to quickly identify un-pressed fittings. Obvious pressing marks in DN15 to DN50 fittings also assist in identifying un-pressed fittings.
- Fittings supplied in one-piece, ready for installation.
- Full-flow joints – fittings maintain bore.
- Comprehensive range of fittings for both water and gas installations.
- One pressing tool can be used for both water and gas.
- Ease of use, yet tool is not cost effective for non professionals.

Information contained in this brochure is provided as a guide only. Crane Copper Tube does not warrant that the information is accurate or without errors or omissions. Crane Copper Tube reserves the right to correct any errors or misprints. All information and product details contained within this document are provided as a guide only. Product use shall be conducted by a fully licensed plumber/gasfitter.

## Crane Copper Tube

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