



# **PSC PEX-AL GAS SYSTEM**

**PRODUCT INFORMATION  
AND  
INSTALLATION MANUAL**

Plumbers Supplies Co-operative proudly presents its PEX-AL-PEX Gas Crimp System. The system has been named PSC PEX-AL GAS CRIMP and now completes the range of PEX Plumbing Systems offered by Plumbers Supplies Co-op.

PSC PEX ST-Sleeve Type System for Water Reticulation, 16 to 32mm.

PSC PEX CRIMP-Crimp System for Water Reticulation, 16 to 25mm.

PSC PEX-AL GAS CRIMP SYSTEM- Crimp System, Pipe and Fittings for GAS Consumer Piping Installation Only, 16 to 63mm.

PSC PEX CRIMP WATER and PSC PEX-AL GAS CRIMP Systems utilise the same PSC Crimp tools and gauges. Reaming / Calibrating tools are specific to the PSC PEX-AL Gas Crimp System.

## **THIS BROCHURE PROVIDES SPECIFICATIONS AND INSTALLATION INFORMATION RELEVANT TO THE PSC PEX-AL GAS CRIMP SYSTEM**

The PSC PEX-AL Gas Crimp System comprises of Pipe, Fittings and Tooling.

**PSC PEX-AL Gas Pipe** is manufactured as a composite pipe consisting of an inner and outer layer of cross linked polyethylene which is permanently adhered to a central core of Aluminium. The pipe is manufactured under Strict Quality Control to Australian Standards **AS4176 / AT55200.478 under Licence SMK 21859.**

PSC PEX-AL Gas Crimp fittings are a solid brass double crimp fitting with double "O" ring secondary seal and stainless steel crimp sleeves.

The fittings are manufactured under Strict Quality Control to **Australian Standard AS4176 under Licence SMK 21859.**

**PSC Crimp Tooling** comprises of both Manual Tooling for 16mm, 20mm, 25mm and Battery tooling from 16mm to 63mm. All tooling used should be verified before use to ensure suitability for PSC PEX and PEX-AL Crimp systems. PSC Crimp Gauges and Reaming / Calibrating tools are a mandatory requirement for use during the installation procedure as detailed in this Manual.

All products are fully warranted for a period of **25 Years** when installed as a Proprietary Gas System in accordance with **AS5601** and this **PEX-AL GAS Crimp Installation Manual** by a Licenced Gas Fitter using all Pipe and Fittings with Licence Number **SMK 21859 Only**, and using approved tooling.

### **DISCLAIMER**

The information provided within this Product Information and Installation Manual is designed as a guide only and is believed to be accurate at the time of printing.

Plumbers' Supplies Co-operative Limited, its employees and the manufacturers take no responsibility in regard to any specific installation.

Installation must always require supervision and consultation from an appropriately Licenced Gas Fitter who has also successfully completed the PSC PEX-AL Gas Crimp System Induction and Training with an authorised PSC Ltd Employee.

## IMPORTANT NOTE

Plumbers Supplies Co-op is committed to ensuring all of the PSC Branded products are manufactured and installed in accordance with all applicable Australian Standards and requirements. Installation of the PSC PEX-AL Gas Crimp System **MUST** only be carried out by a Licenced Gas Fitter. The Licenced Gas Fitter must also have successfully completed the PSC PEX-AL Gas Crimp System Induction and Training Module. Installation must be in accordance with the Gas Installation Australian Standards AS5601 and any other relevant and applicable local authority codes (which may take precedence). The Installer must also use the installation guidelines set out in this manual. Installation must only ever involve the use of the approved system of PSC PEX-AL Gas pipe and fittings with Licence SMKP 21859 and Approved tooling. The design of any Gas piping system must safely supply an adequate flow and velocity of gas to every appliance at the required pressure. Please consult the Sizing tables in this Manual and the calculation process and procedures as defined in AS5601 to ensure conformance and suitability of this system prior to installation.

Plumbers Supplies Co-op will be logging records of Licenced Gas Fitters who have successfully completed Induction and Training. These records if required can be accessed by Technical Regulators on verification if confirmation is required for training.

Application for verification of completion of PSC PEX-AL Gas Crimp Training should be sent to the email address below, requesting the name of the person requiring verification. Plumbers Supplies Co-op will then reply confirming or denying training and supply the training date. Personal details will not be supplied.

Email: [operations@pscoop.com.au](mailto:operations@pscoop.com.au)

The PSC PEX-AL GAS Crimp System is required and detailed in this manual for installation conformance to AS5601. If you require a copy of this standard it can be purchased from the following Website:

**<http://infostore.saiglobal.com/store>**

If you require further assistance with purchasing this standard please ask at any of our branches or our Sales staff.

## FEATURES AND BENEFITS OF PSC PEX-AL GAS CRIMP SYSTEM INCLUDE:

- Backed, Sourced and Managed by Plumbers' Supplies Co-op under the PSC Brand with over 60 Years of Supplying Plumbing Products to Plumbers and returning all Profits to Members.
- 25 Year product Warranty when Installation is to detailed requirements.
- Product manufactured to relevant Australian Standards by an ISO 9001 approved Company with all Product Certification by SAI Global.
- The PSC PEX-AL Gas Crimp System is a cost effective alternative to other Gas systems.
- PSC PEX-AL Gas is fast and easy to install.
- PSC hand crimp tools can be used for both PSC Crimp Water and PSC PEX-AL Gas applications.
- Light weight — easy to handle & install
- Smooth inner core reduces pressure losses
- Low levels of thermal conductivity and expansion
- Strong impact resistance
- Comprehensive size range 16mm — 63mm diameter
- Double “O” ring is the internationally preferred system.
- Long entry stainless steel crimp sleeve.
- Double crimp seal.
- Four easy to see witness holes to confirm full engagement of fitting onto pipe.
- Yellow retaining ring signifies “Gas” and also locates Battery tool Jaws.
- German manufactured Battery Tools available in two sizes.

# Contents

Technical Information .....	8
1. PSC PEX-AL Gas Pipe .....	8
2. PSC PEX-AL Gas Crimp Fittings .....	9
3. PSC PEX-AL Gas Crimp Tools .....	14
Warranty .....	15
PSC PEX-AL Gas Tool Inspection .....	16
PSC PEX-AL Gas Joining Procedure .....	17
Frequently asked questions .....	18
Sizing Tables for Natural Gas .....	20
Sizing Tables for LPG .....	23
Fittings .....	24
Piping, Tools and Accessories .....	35



# Technical Information

**PSC PEX-AL Gas is a complete Gas Plumbing Proprietary System comprising of a multi-layer composite PEX b – AL – PEX b (PEX-AL) pipe, a comprehensive range of Brass crimp fittings from 16mm to 63mm and Tooling Options in both Manual and Battery operation, complete with Reaming / Calibrating tools and crimp gauges to ensure tool performance.**

## 1. PSC PEX-AL Gas Pipe

**PSC PEX-AL Gas composite pipe** is manufactured from an inner and outer wall of crossed linked polyethylene material which is bonded on both sides with a middle layer of aluminium. The Pipe is yellow in colour and is clearly marked at 1m intervals detailing: Brand, Type, Size, Class, Standard and Licence Number. The pipe has been tested and approved in accordance with the Australian Standard AS4176 / ATS 5200 under Licence number SMKP 21859 for gas Installation only using PSC PEX-AL Gas Crimp fittings with the same corresponding Licence number.

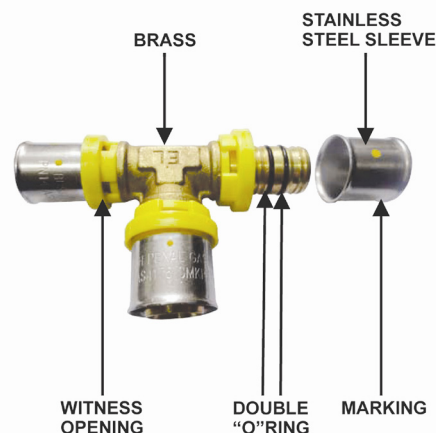


### MARKING:

- ① PSC PE-Xb/AL/PE-Xb DN16x2 CLASS 500 GAS AS4176/AT5200.478
- ② LN SMKP21859 | >>>> | 20110103 8:00 DN16110103P00101010101 EL01
- ③ NOT FOR USE IN DIRECT SUNLIGHT P000M

## 2. PSC PEX-AL Gas Crimp Fittings

**PSC PEX-AL Gas Crimp Fittings** are manufactured to a very high standard from a solid brass forged process. They have long engagement dual “O” ring Barbs with a Stainless Steel Crimp ring and a yellow plastic retainer with 4 engagement sighting holes. All fittings have stamped detail into their Stainless Steel Crimp Rings clearly showing: Brand, Size, Class, Standard and Licence Number. Identification Stamping also appears on the brass fitting where possible or it will display the letters EL. PSC PEX-AL Gas crimp fittings have been tested and approved in accordance with the Australian Standard AS4176 under licence number SMKP 21859 for gas Installation only, using PSC PEX-AL Gas Pipe with the same corresponding Licence number.



**MARKING: PSC GAS DN16 CLASS 500 AS4176 ASMKP21859 EL**

## Pipe & Fitting Protection and Care during Handling and Installation:

PSC PEX-AL Gas pipe and fittings shall be protected from damage, which applies through all stages of the process from transport to storage. During installation and in accordance with AS5601 the following aspects should be taken into consideration. Provision for pipe and fitting protection therefore includes, but is not limited to, the following listed items:-

- **Care must be taken to keep pipe free of grit, dirt, dust and foreign matter.**
- **Care must be taken to ensure fittings are free of grit, dirt, dust and foreign matter and the yellow retainer is securely seated onto the fitting with the stainless steel crimp ring and dual "O" Rings are seated correctly.**
- **PSC PEX-AL Pipe needs to be protected from physical damage including cuts, abrasion, dents, kinks, tears, holes, etc.**
- **PSC PEX-AL Pipe needs to be protected from long term or permanent U.V. exposure.**
- **PSC PEX-AL Pipe and fittings need to be protected from excessive heat or burning, (Refer to Maximum Operating Temperature detailed in Pipe Specification Section), chemical / solvent attack, animal or rodent attack, machinery damage, other external threats, etc.**
- **Chemical or Corrosive Environments.**
  1. **The Pipe needs to be protected.**
  2. **The Fittings need to be wrapped and protected. This includes all underground installations for all fittings.**
- **PSC PEX-AL Pipe Support and Clipping;** both vertically and horizontally to ensure conformance for vibration, excessive tension, torsion or compressive stresses on fittings and pipe. Refer to pipe Specification Chart for spacing advisement.

- **PSC PEX-AL Pipe penetrations** through timber and steel frames and concrete sections need to be conformant and may require protection using grommets, fire collars, sleeving or wrapping. Holes, notches and cutouts must be accurately drilled "in-line" to allow movement for any expansion or contraction of the pipe and fitting so engagements are not exposed to excessive stress. Refer to the Pipe Specification Chart for timber frame cut out limitations.
- **PSC PEX-AL Pipe Expansion and Contraction** needs to be accommodated during installation to ensure conformance. During installation pipe work needs to have allowances for movement due to thermal Linear expansion. Failure to do so may exceed torsional pullout allowances on fittings resulting in product failure. Refer to the Pipe Specification Chart for the Thermal Expansion co-efficient.
- **PSC PEX-AL Pipe Bending:** PSC PEX-AL pipe is flexible but requires care when bending to avoid kinks, cracks or other permanent deformation that may restrict flow or put undue pressure on joints. If the pipe is kinked, bent or damaged in any way it must be cut out and replaced. PSC PEX-AL Gas Crimp elbows are recommended for tight bends and larger pipe sizing above 32mm. Refer to the Pipe Specification Chart for minimum bending radius and tools for bending.
- **PSC PEX-AL Connecting Barbs:** when soldering connecting barbs (male or female), first remove/dismantle the yellow plastic retainer ring, stainless crimp ring and two "O" rings, then solder the brass connecting barbs – allow to cool before assembly. When assembling the fitting, ensure the yellow plastic retainer ring, the two "O" rings and the stainless steel sleeve are installed correctly. (Refer to picture on Page 9 for assembly detail). Alternatively, PSC Adapt PEX-AL gas barbs may be used with a copper cimp fitting. (Refer to Page 33 for product listing).

## Pipe Specifications & Data Sheet:

PSC PEX-AL Gas	16mm Nom O.D.	20mm Nom O.D. PSC	25mm Nom O.D. PSC	32mm Nom O.D. PSC	40mm Nom O.D. PSC	50mm Nom O.D. PSC	63mm Nom O.D. PSC
Nominal O.D. (mm)	16	20	25	32	40	50	63
Color	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow
Class	500	500	500	500	500	500	500
Standard	AS4176/ATS 5200	AS4176/ATS 5200	AS4176/ATS 5200	AS4176/ATS 5200	AS4176/ATS 5200	AS4176/ATS 5200	AS4176/ATS 5200
License	SMKP 21859	SMKP 21859	SMKP 21859	SMKP 21859	SMKP 21859	SMKP 21859	SMKP 21859
Maximum Supported distance – Clipping	1.0m	1.25m	1.5m	2.0m	2.0m	2.0m	2.0m
Min Bending Radius by hand	80mm	100mm	-	-	-	-	-
Min Bending Radius with Bending Spring	50mm	60mm	110mm	150mm	-	-	-
Coil Sizes metres	50 & 100	50 & 100	50	50	-	-	-
Straight Length metres	5m	5m	5m	5m	5m	5m	5m
Coefficient of Linear (LOM) Thermal Expansion in mm per meter of pipe for every 100deg C Temperature variation	0.26	0.26	0.26	0.26	0.26	0.26	0.26
Max Operating temperature	80 Deg C	80 Deg C	80 Deg C	80 Deg C	80 Deg C	80 Deg C	80 Deg C
Max Operating Pressure	70 kpa	70 kpa	70 kpa	70 kpa	70 kpa	70 kpa	70 kpa

### Timber Frame Plates and Studs

75mm wide timber – maximum cut-out, notch, drill diameter of 19mm  
100mm wide timber – maximum cut-out, notch, drill diameter of 25mm.

### Timber Joists

Refer AS5601

## Underground Pipe Installation:

Underground installation of PSC PEX-AL Gas Pipe must be in accordance with AS5601. The following points should be noted and referenced for conformance to the Standard:-

- Piping beneath a building and in the ground allowed with NO joints.
- Piping embedded in Concrete allowed with NO joints, maximum pressure 70kpa
- Underground installation should include the provision for a Trace Wire and Marker Tape to be installed to assist in pipe detection.
- Underground installation should comply with standard for quality of bedding and backfill.
- Underground installation must comply with the required Standards for Minimum buried depth.
- Underground Installation must comply with the required Standard for termination to Metallic risers.
- Underground Installation must comply with the required Separation Standard for Consumer GAS Piping.
- PSC PEX-AL Gas Crimp Fittings must be wrapped and protected using suitable and verified processes for all in ground installations and corrosive environments.

## System Testing:

Pipe and joint system testing must be carried out in accordance with the Standard AS5601 and any other relevant and applicable local authority codes prior to burying or concealing the PSC PEX-AL Gas Crimp system. It is the responsibility of the Licenced Installer to ensure that all joints and fittings are crimped, inspected, checked and tested for leaks to ensure safety and compliance.

### Proprietary Gas System Identification:

The PSC PEX-AL Gas System has an Identification Tag as part of its Product Range and must be permanently attached and adjacent to the gas meter or LP Gas cylinder to identify the system installed on every installation, as detailed in AS5601. Do not attach this signage plate to any gas cylinder or other movable object.

### Provision for Pipe Reversion:

As detailed in AS5601, in certain installations in some building types it is mandatory for the installation of reversion fittings to allow for Proprietary Gas Piping Systems like PSC PEX-AL Gas to be extended or additions made for future application. A Reversion Fitting allows for the connection of a Proprietary system to be adapted to a Standard Thread or Copper tube. The PSC PEX-AL GAS Crimp System Product Range includes the three variants of Reversion fittings as detailed in the standard.

## 3. PSC PEX-AL Gas Crimp Tools

PSC PEX-AL Gas Crimp Tools are specifically designed to be used with the PSC PEX-AL Gas Pipe and Fittings System and must not be used with other systems. PSC PEX-AL Gas Crimp Tools are manufactured to precise specifications and require:

- Care during operation and confirmation that each completed crimp joint is crimped correctly. The use of the PSC PEX-AL Crimp Gauge is required to be used to confirm crimp conformance.
- Regular maintenance and cleaning after use to avoid dirt, dust, grit or moisture damaging the tool.
- Recognition of the jointing guide procedures and safety recommendations within this Manual and the Handbook Instructions of the approved PSC PEX-AL Gas Crimp battery tool kit.

Specific and approved hand or battery PSC PEX-AL Gas Reaming / Calibrating tools are an essential requirement to round and deburr every squarely cut pipe end prior to insertion into the crimp fitting. Use the PSC crimp gauge on each crimped joint to ensure the joint has been sufficiently crimped.

### Warranty

The PSC PEX-AL Gas Crimp System carries a 25 year warranty when the system is installed by a Licenced Gas Fitter in accordance with AS 5601 and any other relevant and applicable local authority codes (which may take precedence) and established installation practices.

The Licenced Gas Fitter must also have successfully completed the PSC PEX-AL Gas Induction and Training. The Installer must use the installation guidelines set out in this manual and the Induction Training. Installation must only ever involve the use of the same approved system of PSC PEX-AL Gas Crimp pipe and fittings with licence SMK21859 and approved tooling.

### Compliance with Australian Standards

The PSC PEX-AL Gas Crimp System is licensed by SAI Global to Australian Standards and complies with Australia Standards AS4176 (Licence 21859).



# Tool Inspection



## TOOL INSPECTION:

**MANUAL TOOLS:** Ensure all tooling is in good working order, proper operational condition and approved for use with PSC PEX-AL Gas fittings. Visually inspect and ensure that the jaws align and have NO gap when the crimp tool is fully compressed and closed. The jaws must be clean and undamaged — free of any defects or debris. If

a gap is visible between the jaws then the tool must be adjusted, (see Tool Adjustment section and follow the instructions). **WARNING:** An incompatible tool, incorrectly adjusted tool or damaged jaws may result in joint failure, tool damage, or both. It will also void your warranty!

**A. MANUAL TOOL ADJUSTMENT:** The tool will require adjustment if the jaws do not fully close when compressed OR if the crimp gauge does not pass easily over both indentations in the stainless steel sleeve after the crimping process. If this occurs, then follow the procedure below and re-test the tool to ensure adjustment is correct.

1. Loosen LH and/or RH “Back Nuts” with Spanner.
2. Turn LH and/or RH “Adjustment Dials”, one increment at a time.
3. Tighten LH and/or RH “Back Nuts” with Spanner.
4. Do the jaws fully close? No — repeat 1 — 3, Yes — go to 5.
5. Crimp a joint then check with the Crimp Gauge, until the Gauge passes easily over both indentations in the stainless steel sleeve



## B. BATTERY TOOLS:

There are two Battery Tool options for PSC PEX-AL Gas.

Small Tool- KPS - 16mm - 40mm  
Large Tool- KPL - 16mm - 63mm,  
when used with approved jaws as defined on page 38.

1. Before using the battery tool it is essential that the user reads and recognises the instructions contained in the manual included with every tool. Make sure you are aware of the operating features and functions.
2. Ensure that the correct Jaws are used to match the tool, the PSC PEX-AL Gas Crimp System and the pipe and fitting diameters.
3. Inspect and test all Tools and Jaws to ensure they are functioning properly and show no defects or deformities.
4. Visually inspect all Tools and Jaws to ensure they are clean, dry, free of dust, dirt, grit.
5. Regularly check crimped joints by passing the Crimp Gauge over both indentations in the stainless steel sleeve to ensure proper crimping function.
6. As soon as you detect a slowing of the crimping speed you must recharge the battery.
7. If a crimping process has been interrupted you must either crimp a second time or cut-off the fitting and section of pipe. Check with the crimp gauge to test.
8. If the Crimp tool does not fully compress or reach full pressure, release the trigger, actuate the retract slide, check tool and then re-crimp joint and check with crimp gauge to ensure conformance.

# Joining Procedure

1. Make a clean cut using the PSC PEX-AL Gas Pipe Cutters. Ensure that the pipe is cut squarely, the end of the pipe to be joined has no rough edge and the internal and external surface of the pipe is undamaged (i.e. there are no scores, cuts or scratches on the surface of the pipe).

2. Round and deburr the end of the pipe by inserting the PSC PEX-AL Gas Crimp reaming / calibrating tool— ensure it is size matched to suit the pipe diameter. Insert the reaming / calibrating tool fully into the pipe using a twisting action then rotate 2-3 full turns or until it moves freely within the pipe. Alternatively you can use the PSC Battery Reaming / Calibrating tool with a cordless drill. Visually check and remove any swathe for a clean end.



3. Visually inspect the inside of the fitting to ensure it is free of any dirt or grit.

4. Push the PSC PEX-AL Gas pipe slowly into the PSC PEX-AL Gas Crimp fitting and within the stainless steel sleeve until the pipe is fully inserted and visible through the four witness holes. Confirm the pipe is visible through ALL witness openings.

## 5. FOR MANUAL / HAND CRIMP TOOLING:

Centralise the PSC Hand Crimping Tool so the jaws are aligned over the stainless steel sleeve. The jaws should butt-up against the yellow retainer ring but NOT over it. Slowly compress the tool until jaws are fully closed.



## FOR BATTERY TOOLS:

When using a PSC Battery Crimping Tool you must align the outer edge of the jaws over the yellow retainer ring which locates the jaws correctly — then compress.



6. Check each joint has been compressed correctly by using the PSC crimp gauge. If the PSC gauge's corresponding size easily passes over both crimp indentations made in the stainless steel sleeve, then the joint is properly crimped. If the crimp gauge does not pass easily over both indentations in the stainless steel sleeve, then the crimping tool requires adjustment, (Refer to: Tool Adjustment — Section). After adjustment, re-crimp the joint then re-check with the crimp gauge. Repeat process until correct.

7. When soldering connecting bars, (male or female) solder the brass connecting bars first then allow cooling before assembly. When assembling the fitting, ensure the plastic retainer ring, the two “O” rings and the stainless steel sleeve are installed correctly. (Refer to picture on Page 9 of this brochure for assembly detail).

8. Pressure test the complete installation in accordance with AS5601 and any other local and applicable laws and/or regulations.

**IMPORTANT: THIS SYSTEM MUST BE INSTALLED BY A LICENCED GAS FITTER IN ACCORDANCE WITH AS 5601, THIS PROCEDURE AND USING PSC PEX-AL GAS CRIMP PIPE, FITTINGS AND APPROVED TOOLS, OTHERWISE WARRANTY WILL BE VOID.**

## Frequently asked questions:

- i) Is there anything I need to do before using a Manual Crimp Tool?  
YES – follow all of these important steps below:
  - Ensure that the tool is compatible with PSC PEX-AL GAS Pipe and Fittings.
  - Ensure the tool is in good working order
  - Ensure that the jaws align and have no gap when closed
  - Ensure that the jaws are clean, free of defects and debris
- ii) If the jaws of the Manual Tool do not align when closed what must I do?
  - Adjust the jaws and test until the jaws align and have no gap. Follow the process described in the section, “Jointing Procedures – Tool Adjustment”
- iii) Is there anything I need to do before using the approved Battery Crimp Tool?  
YES – follow all of these important steps below:
  - Ensure that the tool and jaws are compatible with PSC PEX-AL GAS Pipe and Fittings.
  - Read and recognise the instructions contained in the manual
  - Ensure the correct jaws match the tool, the pipe and the fittings
  - Inspect the tool to ensure it functions properly
  - Inspect the jaws to ensure they are clean, dry, free of dirt and grit
- iv) If the Battery Tool does not fully compress what should I do?
  - Release the trigger and jaws by actuating the retract slide
  - Recharge the battery or replace with charged battery
  - Crimp the joint a second time and check with the crimp gauge
  - Cut off the pipe and fitting if it fails to crimp properly
- v) Do I need to inspect the pipe end prior to crimping?  
YES, ALWAYS inspect the pipe and ensure it is cut square, has been “rounded & deburred”, has no rough edges and the internal and external pipe is undamaged prior to crimping.

- vi) Do I need to “Round and Deburr” the pipe prior to every crimp joint?  
YES, this is a requirement for EVERY joint – ensure that the reaming tool suits PSC PEX-AL Gas pipe and fittings.
- vii) Do I need to inspect the Crimp fitting prior to every crimp joint?  
YES, you should visually inspect each fitting to ensure it is free of any dirt and grit, has both “O” rings intact, the stainless crimp sleeve is properly located and all parts are undamaged – clean/replace/discard as required.
- viii) How can I tell if the pipe has been pushed into the fitting properly?
  - Inspect the fitting to ensure the pipe is visible through all 4 witness openings!
- ix) Do I need to check every crimp joint has been compressed properly?  
YES, you should check every crimp joint has been compressed properly by testing with the crimp gauge.
- x) Is there a procedure to follow when soldering connecting barbs?  
YES, ALWAYS:
  - Dismantle the fitting prior to heating and brazing
  - Allow to cool fully before assembly
  - Ensure the plastic retainer rings, two “O” rings and stainless steel sleeve are installed correctly – refer to picture assembly detail on Page 9 of this brochure.
- xi) What are the requirements for installing the PSC PEX-AL Gas Crimp system?
  - Must only be installed by a licenced Gas Fitter
  - Must be installed in accordance with AS 5601
  - Must be installed using the PSC PEX-AL Gas system procedures
  - Must be installed using PSC PEX-AL Gas Pipe, fittings and tools, licence SMKP21859

PIPE SIZING

The following gas pipe sizing tables were calculated using the method described in AS/NZS 5601

NOTE: Allowance for fittings has been incorporated into the table listed below which is equivalent to a 50% increase of the length of the pipe. This method is detailed in the Standard, AS/NZS 5601

PIPE SIZING TABLE 1 — Flow rates in units of MJ/h

Nom diam. (DN)	Pressure drop of 0.075 kPa for supply pressure of 1.1 kPa on Natural Gas Length of straight pipe m								
	2	4	6	8	10	12	14	16	18
16	63	44	35	30	27	24	22	21	19
20	150	103	83	71	63	57	52	49	46
25	268	184	148	127	112	102	94	87	82
32	591	406	326	279	247	224	206	192	180
40	982	675	542	464	411	373	343	319	299
50	1873	1287	1034	885	784	710	654	608	570
63	4163	2861	2298	1967	1743	1579	1453	1352	1268
	20	25	30	35	40	45	50	55	60
16	18	16	15	13	13	12	11	11	10
20	43	38	35	32	30	28	26	25	24
25	77	68	62	57	53	50	47	45	43
32	170	151	136	126	117	110	104	98	94
40	283	251	227	209	194	182	172	164	156
50	539	478	433	398	370	348	328	312	297
63	1198	1062	962	885	823	772	730	693	661

PIPE SIZING TABLE 2 — Flow rates in units of MJ/h

Nom diam. (DN)	Pressure drop of 0.12 kPa for supply pressure of 1.25 kPa on Natural Gas Length of straight pipe m								
	2	4	6	8	10	12	14	16	18
16	85	58	47	40	36	32	30	28	26
20	194	133	107	92	81	74	68	63	59
25	351	241	194	166	147	133	123	114	107
32	760	523	420	359	318	288	265	247	232
40	1308	899	722	618	548	496	456	425	398
50	2445	1680	1350	1155	1024	928	853	794	745
63	5440	3739	3003	2570	2278	2064	1899	1766	1657
	20	25	30	35	40	45	50	55	60
16	24	22	20	18	17	16	15	14	13
20	56	49	45	41	38	36	34	32	31
25	101	90	81	75	69	65	62	58	56
32	219	194	176	162	150	141	133	127	121
40	376	334	302	278	259	243	229	218	208
50	704	624	565	520	484	454	429	407	388
63	1565	1387	1257	1156	1076	1009	954	906	864

PIPE SIZING

The following gas pipe sizing tables were calculated using the method described in AS/NZS 5601

NOTE: Allowance for fittings has been incorporated into the table listed below which is equivalent to a 50% increase of the length of the pipe. This method is detailed in the Standard, AS/NZS 5601

PIPE SIZING TABLE 3 — Flow rates in units of MJ/h

Nom diam. (DN)	Pressure drop of 0.25 kPa for supply pressure of 2.75 kPa on Natural Gas Length of straight pipe m								
	2	4	6	8	10	12	14	16	18
16	131	90	72	62	55	50	46	43	40
20	298	205	164	141	125	113	104	97	91
25	520	357	287	246	218	197	181	169	158
32	1072	737	592	506	449	407	374	348	327
40	2138	1469	1180	1010	895	811	746	694	651
50	3657	2514	2019	1728	1531	1387	1276	1187	1114
63	7768	5339	4287	3669	3252	2947	2711	2522	2366
	20	25	30	35	40	45	50	55	60
16	38	33	30	28	26	24	23	22	21
20	86	76	69	63	59	55	52	50	47
25	150	133	120	110	103	96	91	87	83
32	308	273	248	228	212	199	188	178	170
40	615	545	494	454	423	397	375	356	339
50	1052	933	845	777	723	679	641	609	581
63	2235	1981	1795	1651	1536	1441	1362	1293	1234

PIPE SIZING TABLE 4 — Flow rates in units of MJ/h

Nom diam. (DN)	Pressure drop of 0.75 kPa for supply pressure of 2.75 kPa on Natural Gas Length of straight pipe m								
	2	4	6	8	10	12	14	16	18
16	238	164	131	112	100	90	83	77	73
20	528	363	292	250	221	200	184	172	161
25	953	655	526	450	399	361	333	309	290
32	1955	1344	1079	924	819	742	682	635	596
40	3564	2450	1967	1684	1492	1352	1244	1157	1086
50	6706	4609	3701	3168	2807	2544	2340	2177	2043
63	13839	9511	7638	6537	5794	5250	4830	4493	4216
	20	25	30	35	40	45	50	55	60
16	69	61	55	51	47	44	42	40	38
20	152	135	122	112	104	98	93	88	84
25	274	243	220	203	188	177	167	159	151
32	563	499	452	416	387	363	343	325	311
40	1026	909	824	758	705	661	625	593	566
50	1930	1710	1550	1426	1326	1244	1175	1116	1065
63	3982	3529	3198	2942	2737	2568	2426	2304	2198

## PIPE SIZING

The following gas pipe sizing tables were calculated using the method described in AS/NZS 5601

NOTE: Allowance for fittings has been incorporated into the table listed below which is equivalent to a 50% increase of the length of the pipe. This method is detailed in the Standard, AS/NZS 5601

PIPE SIZING TABLE 5 — Flow rates in units of MJ/h

Nom diam. (DN)	Pressure drop of 1.5 kPa for supply pressure of 2.75 kPa on Natural Gas Length of straight pipe m								
	2	4	6	8	10	12	14	16	18
16	342	235	189	162	143	130	119	111	104
20	756	520	417	357	317	287	264	246	230
25	1408	968	777	665	589	534	491	457	429
32	2796	1922	1543	1321	1171	1061	976	908	852
40	5154	3542	2844	2434	2158	1955	1798	1673	1570
50	9789	6728	5403	4624	4098	3713	3416	3178	2982
63	21132	14524	11664	9982	8847	8015	7374	6861	6437
	20	25	30	35	40	45	50	55	60
16	98	87	79	73	68	64	60	57	54
20	218	193	175	161	150	140	133	126	120
25	405	359	325	299	278	261	247	234	224
32	805	713	646	594	553	519	490	465	444
40	1483	1314	1191	1096	1019	956	903	858	818
50	2817	2496	2262	2081	1936	1816	1716	1630	1555
63	6081	5388	4883	4492	4179	3920	3704	3519	3357

Further Pipe Sizing information is available to a calculated run length of pipe to 320 metres in all pipe diameters in Tables 1 – 7.

Please contact your local branch.

## PIPE SIZING

The following gas pipe sizing tables were calculated using the method described in AS/NZS 5601

NOTE: Allowance for fittings has been incorporated into the table listed below which is equivalent to a 50% increase of the length of the pipe. This method is detailed in the Standard, AS/NZS 5601

PIPE SIZING TABLE 6 — Flow rates in units of MJ/h

Nom diam. (DN)	Pressure drop of 0.25 kPa for supply pressure of 2.75 kPa on Propane Length of straight pipe m								
	2	4	6	8	10	12	14	16	18
16	209	144	116	99	88	79	73	68	64
20	475	327	262	225	199	180	166	154	145
25	831	571	458	392	348	315	290	270	253
32	1713	1177	945	809	717	650	598	556	522
40	3415	2347	1885	1613	1430	1296	1192	1109	1040
50	5843	4016	3225	2760	2446	2217	2039	1897	1780
63	12412	8531	6851	5863	5197	4708	4332	4030	3781
	20	25	30	35	40	45	50	55	60
16	60	53	48	45	41	39	37	35	33
20	137	121	110	101	94	88	83	79	76
25	239	212	192	177	164	154	146	138	132
32	493	437	396	364	339	318	300	285	272
40	983	871	789	726	675	634	599	569	542
50	1681	1490	1350	1242	1156	1084	1024	973	928
63	1565	1387	1257	1156	1076	1009	954	906	864

PIPE SIZING TABLE 7 — Flow rates in units of MJ/h

Nom diam. (DN)	Pressure drop of 10 kPa for supply pressure of 70 kPa on Propane Length of straight pipe m								
	2	4	6	8	10	12	14	16	18
16	1316	906	728	623	553	501	461	429	403
20	2860	1962	1574	1346	1193	1080	993	924	866
25	5298	3639	2920	2499	2214	2006	1845	1716	1610
32	10549	7267	5843	5006	4440	4025	3705	3448	3237
40	20054	13620	10862	9250	8167	7377	6769	6282	5883
50	37882	25953	20802	17780	15741	14251	13101	12180	11422
63	77194	53008	42545	36400	32251	29215	26872	24995	23448
	20	25	30	35	40	45	50	55	60
16	380	337	306	281	262	246	232	221	210
20	818	725	656	604	561	527	497	472	450
25	1520	1347	1220	1122	1044	979	925	878	838
32	3058	2713	2459	2264	2107	1977	1869	1775	1694
40	5547	4897	4423	4059	3767	3527	3326	3154	3004
50	10784	9548	8644	7946	7388	6928	6541	6210	5922
63	22146	19622	17775	16349	15207	14266	13474	12795	12206

# Product Listing

## NO.1 STRAIGHT COUPLING



Code	Description
657140	COUPLING STR NO1 PSC PEX-AL GAS 16MM
657141	COUPLING STR NO1 PSC PEX-AL GAS 20MM
657142	COUPLING STR NO1 PSC PEX-AL GAS 25MM
657143	COUPLING STR NO1 PSC PEX-AL GAS 32MM
657144	COUPLING STR NO1 PSC PEX-AL GAS 40MM
657145	COUPLING STR NO1 PSC PEX-AL GAS 50MM
657146	COUPLING STR NO1 PSC PEX-AL GAS 63MM

## NO.1R REDUCING COUPLING



Code	Description
657150	COUPLING RED NO1R PSC PEX-AL GAS 20X16MM
657151	COUPLING RED NO1R PSC PEX-AL GAS 25X16MM
657152	COUPLING RED NO1R PSC PEX-AL GAS 25X20MM
657153	COUPLING RED NO1R PSC PEX-AL GAS 32X20MM
657154	COUPLING RED NO1R PSC PEX-AL GAS 32X25MM
657155	COUPLING RED NO1R PSC PEX-AL GAS 40X20MM
657156	COUPLING RED NO1R PSC PEX-AL GAS 40X25MM
657157	COUPLING RED NO1R PSC PEX-AL GAS 40X32MM
657158	COUPLING RED NO1R PSC PEX-AL GAS 50X25MM

## NO.1R REDUCING COUPLING cont'd



Code	Description
657159	COUPLING RED NO1R PSC PEX-AL GAS 50X32MM
657160	COUPLING RED NO1R PSC PEX-AL GAS 50X40MM
657161	COUPLING RED NO1R PSC PEX-AL GAS 63X40MM
657162	COUPLING RED NO1R PSC PEX-AL GAS 63X50MM

## NO.2 STRAIGHT FEMALE CONNECTOR



Code	Description
657170	CONNECTOR STR NO2 PSC PEX-AL GAS 16MMX15FI
657169	CONNECTOR STR NO2 PSC PEX-AL GAS 16MMX20FI
657171	CONNECTOR STR NO2 PSC PEX-AL GAS 20MMX15FI
657172	CONNECTOR STR NO2 PSC PEX-AL GAS 20MMX20FI
657173	CONNECTOR STR NO2 PSC PEX-AL GAS 25MMX15FI
657174	CONNECTOR STR NO2 PSC PEX-AL GAS 25MMX20FI
657175	CONNECTOR STR NO2 PSC PEX-AL GAS 25MMX25FI
657168	CONNECTOR STR NO2 PSC PEX-AL GAS 32MMX32FI
657176	CONNECTOR STR NO2 PSC PEX-AL GAS 32MMX25FI
657167	CONNECTOR STR NO2 PSC PEX-AL GAS 32MMX20FI
657177	CONNECTOR STR NO2 PSC PEX-AL GAS 40MMX25FI
657180	CONNECTOR STR NO2 PSC PEX-AL GAS 40MMX32FI
657181	CONNECTOR STR NO2 PSC PEX-AL GAS 50MMX40FI
657178	CONNECTOR STR NO2 PSC PEX-AL GAS 63MMX25FI
657179	CONNECTOR STR NO2 PSC PEX-AL GAS 63MMX50FI

### NO.3 STRAIGHT MALE CONNECTOR



Code	Description
657185	CONNECTOR STR NO3 PSC PEX-AL GAS 16MMX15MI
657182	CONNECTOR STR NO3 PSC PEX-AL GAS 16MMX20MI
657186	CONNECTOR STR NO3 PSC PEX-AL GAS 20MMX15MI
657187	CONNECTOR STR NO3 PSC PEX-AL GAS 20MMX20MI
657188	CONNECTOR STR NO3 PSC PEX-AL GAS 25MMX20MI
657183	CONNECTOR STR NO3 PSC PEX-AL GAS 20MMX25MI
657189	CONNECTOR STR NO3 PSC PEX-AL GAS 25MMX25MI
657184	CONNECTOR STR NO3 PSC PEX-AL GAS 25MMX15MI
657190	CONNECTOR STR NO3 PSC PEX-AL GAS 32MMX20MI
657191	CONNECTOR STR NO3 PSC PEX-AL GAS 32MMX25MI
657192	CONNECTOR STR NO3 PSC PEX-AL GAS 32MMX32MI
657193	CONNECTOR STR NO3 PSC PEX-AL GAS 40MMX25MI
657194	CONNECTOR STR NO3 PSC PEX-AL GAS 40MMX32MI
657195	CONNECTOR STR NO3 PSC PEX-AL GAS 40MMX40MI
657196	CONNECTOR STR NO3 PSC PEX-AL GAS 50MMX40MI
657197	CONNECTOR STR NO3 PSC PEX-AL GAS 50MMX50MI
657198	CONNECTOR STR NO3 PSC PEX-AL GAS 63MMX32MI
657199	CONNECTOR STR NO3 PSC PEX-AL GAS 63MMX50MI

### NO.12 ELBOW



Code	Description
657210	ELBOW NO12 PSC PEX-AL GAS 16MM
657211	ELBOW NO12 PSC PEX-AL GAS 20MM
657212	ELBOW NO12 PSC PEX-AL GAS 25MM
657213	ELBOW NO12 PSC PEX-AL GAS 32MM
657214	ELBOW NO12 PSC PEX-AL GAS 40MM
657215	ELBOW NO12 PSC PEX-AL GAS 50MM
657216	ELBOW NO12 PSC PEX-AL GAS 63MM

### 45 DEG ELBOW



Code	Description
657267	ELBOW 45DEG PSC PEX-AL GAS 40X40MM
657268	ELBOW 45DEG PSC PEX-AL GAS 50X50MM
657269	ELBOW 45DEG PSC PEX-AL GAS 63X63MM

### NO.12R ELBOW



Code	Description
657220	ELBOW RED NO12R PSC PEX-AL GAS 20X16MM
657221	ELBOW RED NO12R PSC PEX-AL GAS 25X16MM
657222	ELBOW RED NO12R PSC PEX-AL GAS 25X20MM
657223	ELBOW RED NO12R PSC PEX-AL GAS 32X20MM
657224	ELBOW RED NO12R PSC PEX-AL GAS 40X32MM
657225	ELBOW RED NO12R PSC PEX-AL GAS 50X40MM
657226	ELBOW RED NO12R PSC PEX-AL GAS 63X40
657227	ELBOW RED NO12R PSC PEX-AL GAS 63X50



## NO.13 MALE ELBOW



Code	Description
657240	ELBOW NO13 PSC PEX-AL GAS 16MMX15MI
657241	ELBOW NO13 PSC PEX-AL GAS 20MMX15MI
657242	ELBOW NO13 PSC PEX-AL GAS 20XMM20MI
657243	ELBOW NO13 PSC PEX-AL GAS 25MMX20MI
657244	ELBOW NO13 PSC PEX-AL GAS 25MMX25MI
657245	ELBOW NO13 PSC PEX-AL GAS 32MMX25MI
657246	ELBOW NO13 PSC PEX-AL GAS 40MMX25MI
657249	ELBOW NO13 PSC PEX-AL GAS 63MMX50MI

## NO.14 FEMALE ELBOW



Code	Description
657255	ELBOW NO14 PSC PEX-AL GAS 16MMX15FI
657254	ELBOW NO14 PSC PEX-AL GAS 16MMX20FI
657256	ELBOW NO14 PSC PEX-AL GAS 20MMX15FI
657257	ELBOW NO14 PSC PEX-AL GAS 20MMX20FI
657258	ELBOW NO14 PSC PEX-AL GAS 25MMX20FI
657259	ELBOW NO14 PSC PEX-AL GAS 25MMX25FI
657260	ELBOW NO14 PSC PEX-AL GAS 32MMX25FI
657261	ELBOW NO14 PSC PEX-AL GAS 40MMX40FI
657262	ELBOW NO14 PSC PEX-AL GAS 50MMX40FI

## NO.15 LUGGED FEMALE ELBOW



Code	Description
657270	ELBOW NO15BP PSC PEX-AL GAS 16MMX15FI
657271	ELBOW NO15BP PSC PEX-AL GAS 20MMX20FI
657272	ELBOW NO15BP PSC PEX-AL GAS 20MMX15FI

## NO.19 LUGGED MALE ELBOW



Code	Description
657275	ELBOW NO19BP PSC PEX-AL GAS 16MMX15MIX65MM LONG
657276	ELBOW NO19BP PSC PEX-AL GAS 16MMX15MIX90MM LONG
657277	ELBOW NO19BP PSC PEX-AL GAS 16MMX15MIX185MM LONG
657278	ELBOW NO19BP PSC PEX-AL GAS 20MMX15MIX95MM LONG
657279	ELBOW NO19BP PSC PEX-AL GAS 20MMX20MIX95MM LONG
657280	ELBOW NO19BP PSC PEX-AL GAS 20MMX20MIX200MM LONG

## NO.24 TEE



Code	Description
657285	TEE NO24 PSC PEX-AL GAS 16mm
657286	TEE NO24 PSC PEX-AL GAS 20mm
657287	TEE NO24 PSC PEX-AL GAS 25mm
657288	TEE NO24 PSC PEX-AL GAS 32mm
657289	TEE NO24 PSC PEX-AL GAS 40mm
657291	TEE NO24 PSC PEX-AL GAS 50mm
657292	TEE NO24 PSC PEX-AL GAS 63 mm

## NO.25 REDUCED CENTRE TEE



Code	Description
657300	TEE NO25 RED CTR PSC PEX-AL GAS 20X20X16MM
657301	TEE NO25 RED CTR PSC PEX-AL GAS 25X25X20MM
657302	TEE NO25 RED CTR PSC PEX-AL GAS 25X25X16MM
657304	TEE NO25 RED CTR PSC PEX-AL GAS 32X32X16MM
657305	TEE NO25 RED CTR PSC PEX-AL GAS 32X32X20MM
657303	TEE NO25 RED CTR PSC PEX-AL GAS 32X32X25MM
657306	TEE NO25 RED CTR PSC PEX-AL GAS 40X40X20MM
657307	TEE NO25 RED CTR PSC PEX-AL GAS 40X40X25MM
657308	TEE NO25 RED CTR PSC PEX-AL GAS 40X40X32MM
657309	TEE NO25 RED CTR PSC PEX-AL GAS 50X50X20MM
657310	TEE NO25 RED CTR PSC PEX-AL GAS 50X50X25MM
657311	TEE NO25 RED CTR PSC PEX-AL GAS 50X50X32MM
657312	TEE NO25 RED CTR PSC PEX-AL GAS 50X50X40MM
657313	TEE NO25 RED CTR PSC PEX-AL GAS 63X63X40MM
657314	TEE NO25 RED CTR PSC PEX-AL GAS 63X63X50MM

## NO.26 REDUCED END TEE



Code	Description
657325	TEE NO26 RED END PSC PEX-AL GAS 20X16X20MM
657326	TEE NO26 RED END PSC PEX-AL GAS 25X20X25MM

## NO.27 REDUCED CENTRE & END TEE



Code	Description
657334	TEE NO27 RED CTR & END PSC PEX-AL GAS 20X16X16MM
657335	TEE NO27 RED CTR & END PSC PEX-AL GAS 25X20X20MM
657336	TEE NO27 RED CTR & END PSC PEX-AL GAS 32X25X25MM
657337	TEE NO27 RED CTR & END PSC PEX-AL GAS 40X32X32MM

## UNEQUAL REDUCED CENTRE & END TEE



Code	Description
657345	TEE UNEQUAL RED CTR & END PSC PEX-AL GAS 40X32X25MM
657346	TEE UNEQUAL RED CTR & END PSC PEX-AL GAS 50X40X32MM

## FEMALE TEE



Code	Description
657349	TEE FEMALE PSC PEX-AL GAS 16X16MMX15FI (15FI CTR)
657350	TEE FEMALE PSC PEX-AL GAS 20X20MMX15FI (15FI CTR)
657351	TEE FEMALE PSC PEX-AL GAS 20X20MMX20FI (20FI CTR)
657352	TEE FEMALE PSC PEX-AL GAS 25X25MMX15FI (15FI CTR)
657353	TEE FEMALE PSC PEX-AL GAS 25X25MMX20FI (20FI CTR)
657354	TEE FEMALE PSC PEX-AL GAS 25X25MMX25FI (25FI CTR)
657355	TEE FEMALE PSC PEX-AL GAS 32X32MMX20FI (20FI CTR)
657356	TEE FEMALE PSC PEX-AL GAS 32X32MMX25FI (25FI CTR)
657357	TEE FEMALE PSC PEX-AL GAS 40X40MMX25FI (25FI CTR)
657358	TEE FEMALE PSC PEX-AL GAS 50X50MMX25FI (25FI CTR)
657359	TEE FEMALE PSC PEX-AL GAS 63X63MMX25FI (25FI CTR)



## NO.61 STOPPER



Code	Description
657365	STOPPER NO61 PSC PEX-AL GAS 16MM
657366	STOPPER NO61 PSC PEX-AL GAS 20MM
657367	STOPPER NO61 PSC PEX-AL GAS 25MM
657368	STOPPER NO61 PSC PEX-AL GAS 32MM
657369	STOPPER NO61 PSC PEX-AL GAS 40MM

## NO.62 STRAIGHT TAP CONNECTOR



Code	Description
657375	CONNECTOR STR TAP NO62 PSC PEX-AL GAS 16MMX15FI
657376	CONNECTOR STR TAP NO62 PSC PEX-AL GAS 20MMX20FI

## CONNECTING BARB FEMALE



Code	Description
657380	CONNECTOR BARB FEMALE PSC PEX-AL GAS 16MMX15OD
657381	CONNECTOR BARB FEMALE PSC PEX-AL GAS 20MMX20OD
657382	CONNECTOR BARB FEMALE PSC PEX-AL GAS 25MMX25OD
657377	CONNECTOR BARB FEMALE PSC PEX-AL GAS 25MMX20OD
657378	CONNECTOR BARB FEMALE PSC PEX-AL GAS 32MMX32OD
657379	CONNECTOR BARB FEMALE PSC PEX-AL GAS 40MMX40OD
657389	CONNECTOR BARB FEMALE PSC PEX-AL GAS 50MMX50OD

## CONNECTING BARB MALE



Code	Description
657383	CONNECTOR BARB MALE PSC PEX-AL GAS 16MMX15CU
657384	CONNECTOR BARB MALE PSC PEX-AL GAS 20MMX20CU
657550	CONNECTOR BARB MALE PSC PEX-AL GAS 25MMX25CU
657385	CONNECTOR BARB MALE PSC PEX-AL GAS 32MMX25CU

## FLARED COMPRESSION UNION



Code	Description
657540	UNION COMPR FLARED PSC PEX-AL GAS 16MMX15MM
657544	UNION COMPR FLARED PSC PEX-AL GAS 20MMX20MM
657545	UNION COMPR FLARED PSC PEX-AL GAS 25MMX25MM

## PSC ADAPT PEX-AL GAS BARB



Code	Description
135024	PSC ADAPT PEX-AL GAS BARB 16MM W/-100MM DN15B CU TAIL
135055	PSC ADAPT PEX-AL GAS BARB 20MM W/-100MM DN20B CU TAIL
135086	PSC ADAPT PEX-AL GAS BARB 25MM W/-100MM DN25B CU TAIL
135087	PSC ADAPT PEX-AL GAS BARB 25MM W/-100MM DN20B CU TAIL
135111	PSC ADAPT PEX-AL GAS BARB 32MM W/-100MM DN32B CU TAIL
135112	PSC ADAPT PEX-AL GAS BARB 32MM W/-100MM DN25B CU TAIL
135129	PSC ADAPT PEX-AL GAS BARB 40MM W/-100MM DN40B CU TAIL
135148	PSC ADAPT PEX-AL GAS BARB 50MM W/-100MM DN50B CU TAIL



### LOOSE NUT CONNECTOR ELBOW MALE



Code	Description
657373	CONNECTOR ELBOW LOOSE NUT PSC PEX-AL GAS 25MMX25MI

### REVERSION UNION



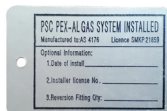
Code	Description
657524	UNION REVERSION PSC PEX-AL GAS 16MM
657525	UNION REVERSION PSC PEX-AL GAS 20MM
657526	UNION REVERSION PSC PEX-AL GAS 25MM
657527	UNION REVERSION PSC PEX-AL GAS 32MM
657528	UNION REVERSION PSC PEX-AL GAS 40MM
657529	UNION REVERSION PSC PEX-AL GAS 50MM
657530	UNION REVERSION PSC PEX-AL GAS 63MM

### REVERSION PIECE



Code	Description
657531	PIECE REVERSION 16MM CU TUBE PSC PEX-AL GAS 300MM
657532	PIECE REVERSION 20MM CU TUBE PSC PEX-AL GAS 300MM

### INSTALLATION ID TAG



Code	Description
657534	TAG INSTALLATION ID PSC PEX-AL GAS SYSTEM

### GAS PIPE STRAIGHT



Code	Description
657100	PIPE PEX/AL/PEX PSC PEX-AL GAS 16MMX5M
657101	PIPE PEX/AL/PEX PSC PEX-AL GAS 20MMX5M
657102	PIPE PEX/AL/PEX PSC PEX-AL GAS 25MMX5M
657103	PIPE PEX/AL/PEX PSC PEX-AL GAS 32MMX5M
657104	PIPE PEX/AL/PEX PSC PEX-AL GAS 40MMX5M
657105	PIPE PEX/AL/PEX PSC PEX-AL GAS 50MMX5M
657106	PIPE PEX/AL/PEX PSC PEX-AL GAS 63MMX5M

### GAS PIPE COIL



Code	Description
657118	PIPE PEX/AL/PEX PSC PEX-AL GAS 16MMX50M
657119	PIPE PEX/AL/PEX PSC PEX-AL GAS 20MMX50M
657120	PIPE PEX/AL/PEX PSC PEX-AL GAS 25MMX50M
657121	PIPE PEX/AL/PEX PSC PEX-AL GAS 32MMX50M
657128	PIPE PEX/AL/PEX PSC PEX-AL GAS 16MMX100M
657129	PIPE PEX/AL/PEX PSC PEX-AL GAS 20MMX100M

# SLEEVE CORRUGATED COIL 50M



Code	Description
656337	CONDUIT ONLY BLACK SUIT PSC PEX WATER & GAS PIPE 16MM
656338	CONDUIT ONLY BLACK SUIT PSC PEX WATER & GAS PIPE 20MM
656336	CONDUIT ONLY BLACK SUIT PSC PEX WATER & GAS PIPE 25MM

# PIPE CUTTER



Code	Description
656568	CUTTER PIPE PSC PEX 16-32MM
657486	CUTTER SUIT PSC PEX-AL GAS PIPE 40-63MM
657487	WHEEL CUTTING SUIT PSC PEX-AL GAS CUTTER RIDGID 152P

# REAMING HAND TOOLS



Code	Description
657500	REAMER PSC PEX-AL GAS 16-25MM
657501	REAMER T LENGTHENED PSC PEX-AL GAS 32-40MM
657505	REAMER T LENGTHENED PSC PEX-AL GAS 50MM
657506	REAMER T LENGTHENED PSC PEX-AL GAS 63MM

# REAMING TOOLS (BATTERY)



Code	Description
657430	BATTERY CALIBRATING TOOL PSC PEX-AL GAS 16MM
657431	BATTERY CALIBRATING TOOL PSC PEX-AL GAS 20MM
657432	BATTERY CALIBRATING TOOL PSC PEX-AL GAS 25MM
657433	BATTERY CALIBRATING TOOL PSC PEX-AL GAS 32MM
657434	BATTERY CALIBRATING TOOL PSC PEX-AL GAS 40MM
657435	BATTERY CALIBRATING TOOL PSC PEX-AL GAS 50MM
657436	BATTERY CALIBRATING TOOL PSC PEX-AL GAS 63MM
657437	BATTERY CALIBRATING TOOL PSC PEX-AL GAS 16-32MM KIT

# BENDING SPRING INTERNAL



Code	Description
657490	SPRING BENDING PSC PEX-AL GAS 16MM
657491	SPRING BENDING PSC PEX-AL GAS 20MM
657492	SPRING BENDING PSC PEX-AL GAS 25MM
657493	SPRING BENDING PSC PEX-AL GAS 32MM

# BENDING SPRING EXTERNAL



Code	Description
657494	SPRING BENDING EXT PSC PEX-AL GAS 16MM
657495	SPRING BENDING EXT PSC PEX-AL GAS 20MM
657496	SPRING BENDING EXT PSC PEX-AL GAS 25MM

# CRIMP GAUGE



Code	Description
656821	GAUGE PSC PEX CRIMP MK11 SUIT 16-25MM CRIMP FITT
657509	GAUGE CRIMP PSC PEX-AL GAS 32-40MM
657511	GAUGE CRIMP PSC PEX-AL GAS 50-63MM

# HAND CRIMPING TOOL



Code	Description
656796	TOOL CRIMPING HAND MK11 PSC PEX CRIMP 16MM
656797	TOOL CRIMPING HAND MK11 PSC PEX CRIMP 20MM
656798	TOOL CRIMPING HAND MK11 PSC PEX CRIMP 25MM

HAND CRIMPING TOOL JAW INSERT



Code	Description
656806	Jaw Insert Suit Hand Tool MK11 PSC PEX Crimp Water & PEX-AL Gas 16mm
656807	Jaw Insert Suit Hand Tool MK11 PSC PEX Crimp Water & PEX-AL Gas 20mm
656808	Jaw Insert Suit Hand Tool MK11 PSC PEX Crimp Water & PEX-AL Gas 25mm

BATTERY TOOL JAW SETS  
(APPROVED NOVOPRESS BA PROFILE JAWS ONLY)



Code	Description
656261	KPS* BATTERY TOOL JAW SET 16-40MM SUIT PSC PEX-AL GAS & PSC PEX WATER
656262	KPL* BATTERY TOOL JAW SET 16-32MM SUIT PSC PEX-AL GAS & PSC PEX WATER
656283	KPL* BATTERY TOOL JAW SET 40-63MM SUIT PSC PEX-AL GAS W/- JAW ADAPTOR

\* CAN BE USED WITH OTHER TOOLS ON APPLICATION.

PSC PEX-AL GAS TO GAS PEX ADAPTORS



Code	Description
657556	PSC PEX-AL GAS TO GAS PEX ADAPTOR COUPLING 16MM
657557	PSC PEX-AL GAS TO GAS PEX ADAPTOR COUPLING 20MM
657558	PSC PEX-AL GAS TO GAS PEX ADAPTOR COUPLING 25MM
657559	PSC PEX-AL GAS TO GAS PEX ADAPTOR COUPLING 32MM
657560	PSC PEX-AL GAS TO GAS PEX ADAPTOR COUPLING 40MM
657561	PSC PEX-AL GAS TO GAS PEX ADAPTOR COUPLING 50MM
657562	PSC PEX-AL GAS TO GAS PEX ADAPTOR COUPLING 63MM

**NEW SOUTH WALES**

<i>Branch</i>	<i>Phone</i>	<i>Email</i>
Artarmon	02 9439 4422	artarmon@pscoop.com.au
Blacktown	02 9671 4244	blacktown@pscoop.com.au
Broadmeadow	02 4962 5377	broadmeadow@pscoop.com.au
Brookvale	02 9938 6444	brookvale@pscoop.com.au
Campbelltown	02 4628 7289	campbelltown@pscoop.com.au
Caringbah	02 9525 3677	caringbah@pscoop.com.au
Carlton	02 9547 2711	carlton@pscoop.com.au
Eastwood	02 9874 8777	eastwood@pscoop.com.au
Erina	1300 240 803	erina@pscoop.com.au
Katoomba	02 4782 9255	katoomba@pscoop.com.au
Leichhardt	02 9566 4122	leichhardt@pscoop.com.au
Lidcombe	02 9748 7866	lidcombe@pscoop.com.au
Matraville	02 9666 3799	matraville@pscoop.com.au
Mittagong	02 4871 3585	southernhighlands@pscoop.com.au
Nowra	02 4423 7512	nowra@pscoop.com.au
Padstow	02 9793 3377	padstow@pscoop.com.au
Penrith	02 4721 7855	penrith@pscoop.com.au
Thornleigh	02 9484 5866	thornleigh@pscoop.com.au
Warwick Farm	02 9600 7700	liverpool@pscoop.com.au
Waterloo	02 9699 9477	waterloo@pscoop.com.au
Waverley	02 9369 1455	waverley@pscoop.com.au

**VICTORIA**

Albury	02 6021 2655	albury@pscoop.com.au
Cheltenham	03 9553 1331	cheltenham@pscoop.com.au
Hallam	03 9702 3800	hallam@pscoop.com.au
Hoppers Crossing	03 9369 3088	hoppers@pscoop.com.au
Mitcham	03 9872 3199	mitcham@pscoop.com.au
Mornington	03 5976 4155	mornington@pscoop.com.au
Port Melbourne	03 9645 4866	portmelbourne@pscoop.com.au
Preston	03 9484 9299	preston@pscoop.com.au

**QUEENSLAND**

Burleigh Heads	07 5522 3300	burleigh@pscoop.com.au
Rocklea	1300 107 526	rocklea@pscoop.com.au
Labrador	07 5635 0000	labrador@pscoop.com.au

Disclaimer: All care has been taken to ensure the information provided in this brochure is accurate at the time of printing. Plumbers' Supplies Co-operative Ltd provide no guarantee or accept responsibility for information contained in this brochure.