# GASIITE



GAS PIPING SYSTEM

### **GASTITE**

## HIGH INTEGRITY, HIGH PERFORMANCE GAS PIPING SYSTEM

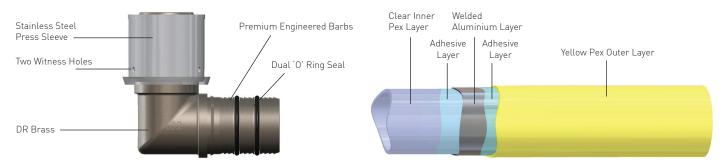
GASTITE from LEAP is a composite piping system designed to offer installers and end users the benefits of both metal and plastic. GASTITE pipe is a five layer system with an inner layer of cross-linked polyethylene (PE-X), then an adhesive layer, a welded aluminium layer, another adhesive layer and finished outer layer of cross linked polyethylene (PE-X). GASTITE fittings are manufactured from DR brass. The stainless steel press ring has two witness holes and is fitted to the body of the fitting using a plastic retainer. Sealing against the escape of gas are two o-rings designed specifically for use with gas. All pipe and fittings are manufactured using the latest extrusion, moulding and machining techniques to ensure a perfect connection every time, providing you with a system that is superior than most conventional pipe systems with a design life in excess of 50 years.

#### **GASTITE FEATURES**

Corrosion free	Wide range of compact DR brass fittings
50 Year design life	Pipe fittings and tools compatible with WATERTITE
Light, strong and robust	Quality appraised
Double O-ring seal	Manual and power tools for easy and quick installation

#### **KEY INFORMATION**

- GASTITE piping systems should only be installed by a qualified and licensed gasfitter.
- GASTITE should always be installed in accordance with the New Zealand/Australian Building Code and Gas Installation Code (AS/NZS 5601) and any local gas authority requirements.
- GASTITE should NOT be used when exposed to petroleum solvents.
- GASTITE piping must be shielded or painted to protect from UV light.
- GASTITE is manufactured and certified to AS4176.
- GASTITE pipes must be bent using appropriate bending tools.
- GASTITE pipe must be reamed and bevelled using appropriate reaming tools.
- GASTITE pipe and fittings must always be installed using a suitable tool.



GASTITE pipe and fittings, installed by a licensed gasfitter in accordance with the current published installation guidelines, are warranted against material or manufacturing defects for a period of 25 years.

GASTITE is manufactured to comply with AS4176 and is approved for use in Australia subject to the installation requirements outlined in the Building Code of Australia and any local gas authority requirements.



### GASTITE ASSEMBLY

#### PIPE CONNECTION



Use only purpose designed pipe cutters. Measure and cut the pipe. Ensure pipe end is square and free from burrs. An uneven or jagged cut may result in an improper connection.



The pipe end must be reamed and bevelled using an appropriate reamer to ensure a round and smooth pouring angle.



Insert the fitting fully into the pipe making sure the pipe can be seen through both witness holes in the press ring. NOTE – If an incorrect joint is made, the defective joint must be removed and replaced with a new fitting.



MANUAL TOOL. Position the tool so the press sleeve is completely covered and the tongs are at 90° to the fitting or press sleeve. Close the handles completely so the pressing tongs are completely closed over the press sleeve.



BATTERY TOOL. Position the tool so the press sleeve is completely covered and the tongs are at 90° to the fitting or press sleeve. Operate the power switch until the pressing tongs are completely closed and a click is sounded by the tool.

#### PIPE BENDING

GASTITE pipe can be bent easily – care should be taken not to kink or damage the pipe during these operations. Pipe must always be bent BEFORE pressing of fittings. The recommended bending radius using hand or tool bending is shown below:

MINIMUM HAND BENDING RADIUS		
PIPE	RADIUS	
16mm	80mm Minimum	
20mm	100mm Minimum	
25mm	200mm Minimum	
32mm	350mm Minimum	

MINIMUM TOOL BENDING RADIUS		
PIPE	RADIUS	
16mm	60mm Minimum	
20mm	80mm Minimum	
25mm	120mm Minimum	
32mm	140mm Minimum	

**IMPORTANT NOTE:** If pipe radius required is less than the above limits, use an elbow fitting. If for any reason the pipe is kinked or damaged, the faulty section shall be replaced. Never apply bending forces to a pressed fitting.

#### **FUTURE EXTENSION**

System should be designed to allow for future extensions in accordance with AS/NZS 5601.

#### **CLIPPING PIPE**

All GASTITE pipe should be retained in position by clips at intervals complying with AS/NZS 5601.

#### **TESTING**

All installations should be tested as per the requirements of AS/NZS 5601. All joints and fittings should be inspected for leaks.

### COMPONENT SELECTOR



#### Pipe, Straight Length

16mm – 5m Length	PLG16.05
20mm – 5m Length	PLG20.05
25mm – 5m Length	PLG25.05
32mm – 5m Length	PLG32.05



#### Centre Reduced Tee

20mm x 20mm x 1	16mm	RT202016
25mm x 25mm x 1	16mm	RT252516
25mm x 25mm x 2	20mm	RT252520
32mm x 32mm x 2	20mm	RT323220
32mm x 32mm x 2	25mm	RT323225



#### Pipe, Coil

16mm – 25m Coil	PCG16.25
20mm – 25m Coil	PCG20.25
25mm – 25m Coil	PCG25.25
32mm – 25m Coil	PCG32.25



#### End Reduced Tee

20mm x 16mm x 20mm	RT201620
25mm x 20mm x 25mm	RT252025
32mm x 25mm x 32 mm	RT322532



#### **Straight Connector**

16mm x 16mm	SC1616
20mm x 20mm	SC2020
25mm x 25mm	SC2525
32mm x 32mm	SC3232



#### Centre/End Reduced Tee

20mm x 16mm x 16mm	RT201616
25mm x 20mm x 20mm	RT252020



#### Straight Reducer

20mm x 16mm	SR2016
25mm x 16mm	SR2516
25mm x 20mm	SR2520
32mm x 20mm	SR3220
32mm x 25mm	SR3225



#### Female Threaded Tee

32mm x	32mm	x 1"	FI	FTT32 25



#### Equal Bend

•	
16mm x 16mm	EB1616
20mm x 20mm	EB2020
25mm x 25mm	EB2525
32mm x 32mm	EB3232



#### Male Adaptor

16mm MI x 1/2" BSP MI	MA16.15
20mm MI x 1/2" BSP MI	MA20.15
20mm MI x 3/4" BSP MI	MA20.20
25mm MI x 3/4" BSP MI	MA25.20
25mm MI x 1" BSP MI	MA25.25
32mm MI x 3/4" BSP MI	MA32.20
32mm MI x 1" BSP MI	MA32.25



#### **Equal Tee**

16mm x 16mm x 16mm	ET161616
20mm x 20mm x 20mm	ET202020
25mm x 25mm x 25mm	ET252525
32mm x 32mm x 32mm	ET323232



#### Female Adaptor

16mm FI x 1/2"	BSP FI	FA16.15
20mm FI x 1/2"	BSP FI	FA20.15
20mm FI x 3/4"	BSP FI	FA20.20
25mm FI x 1/2"	BSP FI	FA25.15
25mm FI x 3/4"	BSP FI	FA25.20
32mm FI x 1/2"	BSP FI	FA32.15
32mm FI x 3/4"	BSP FI	FA32.25

### COMPONENT SELECTOR



#### Male Wingback Elbow

 20mm x 1/2" BSP MI
 MWE20.15

 20mm x 3/4" BSP MI
 MWE20.20

 25mm x 3/4" BSP MI
 MWE25.20

 20mm x 1/2" BSP MI EXT 180
 MWE20.15 EXT 180

 20mm x 3/4" BSP MI EXT 180
 MWE20.20 EXT 180



#### Pipe Clip

 16mm
 GT16

 20mm
 GT20

 25mm
 GT25

 32mm
 GT32



#### Female Wingback Elbow

 16mm x 1/2" BSP FI
 FWE16.15

 20mm x 1/2" BSP FI
 FWE20.15

 20mm x 3/4" BSP FI
 FWE20.20

 25mm x 3/4" BSP FI
 FWE25.20



#### Plastic Pipe Reamer

16mm, 20mm, 25mm PPR16.20.25 20mm, 25mm, 32mm PPR20.25.32



#### Male Bend Adaptor

 20mm x 3/4" BSP MI
 MB20.20

 25mm x 3/4" BSP MI
 MB25.20

 32mm x 1" BSP MI
 MB32.25



#### Pipe Cutter

Pipe Cutter 32 PC16.32



#### Female Bend Adaptor

 20mm x 3/4" BCP FI
 FB20.20

 25mm x 1" BSP FI
 FB25.25

 32mm x 1" BSP FI
 FB32.25



#### Pipe Bending Tool

16 – 32mm PBT16.32



#### Flared Copper Connector

 20mm x 1/2" FC
 FCC20.15

 20mm x 3/4" FC
 FCC20.20

 25mm x 1" FC
 FCC25.25

 32mm x 13/4" FC
 FCC32.32



#### Ratchet Pipe Cutter

Ratchet Pipe Cutter 40 RPC16.40



 Blanking Plug

 16mm
 BP16

 20mm
 BP20

 25mm
 BP25

 32mm
 BP32



#### Manual Pressing Tool

 16 - 32mm
 MCT16.32

 16 - 32mm with case
 MCT16.32WC

 Premium 16 - 32mm
 PZDK-11



#### Press Sleeve

16mm PS16 20mm PS20 25mm PS25 32mm PS32



#### Battery Operated Pressing Tool

16 – 32mm BPTL16.32 16 – 40mm BPTL16.40



### PIPE SIZING TABLE

NORMAL GA	<mark>AS – (MET</mark> S FLOW T								S (MJ /H)				
Norm Size (MM)	Mean ID	2	4	6	8	10	12	14	16	18	Corrections (+) = fitting x 2.50m	2.5	
											%	Fittings	Mtrs
16	12	86	59	47	41	36	33	30	28	26	0.00	0	18
20	16	183	126	101	86	77	69	64	59	56	0.00	0	18
25 32	20 26	328 653	226 449	181 361	155 309	137 273	125 248	115 228	107 212	100 199	0.00	0	18 18
	20	000	447	301	307	2/3	240	220	212	177		U	10
Norm Size (MM)		20	25	30	35	40	45	50	55	60	Corrections (+) = fitting x 2.50m	2.5 Fittings	Mtrs
16	12	25	22	20	18	17	16	15	14	14	0.00	rittings 0	30
20	16	53	47	42	39	36	34	32	30	29	0.00	0	30
25	20	94	84	76	70	65	61	58	55	52	0.00	0	30
32	26	188	167	151	139	129	121	114	109	104	0.00	0	30
NATURAL GA	•								(H\ LM)				
Norm Size (MM)	Mean ID	2	4	6	8	10	12	14	16	18	Corrections (+) = fitting x 2.50m	2.5	
											%	Fittings	Mtrs
16	12	111	76	61	52	46	42	39	36	34	0.00	0	18
20	16	236	162	130	111	99	89	82	77	72	0.00	0	18
25 32	20 26	423 842	291 579	234 465	200 398	177 353	161 320	148 294	137 273	129 257	0.00	0	18 18
	20	042	3//	400	370	333	320	274	273				10
Norm Size (MM)		20	25	30	35	40	45	50	55	60	Corrections (+) = fitting x 2.50m	2.5	
16	12	32	28	26	24	22	21	19	18	18	0.00	Fittings	Mtrs
20	16	3Z 68	60	54	50	47	44	41	39	37	0.00	0	30
25	20	122	108	98	90	84	79	74	70	67	0.00	0	30
32	26	242	215	195	179	167	156	148	140	134	0.00	0	30
NATURAL G	AS – (MET	ER PRES	SURE 2.	75KPA) P	RESSURE	DROP (	DF 1.63KI	PA					
NATURAL GA									S (MJ /H)				
									16	18	Corrections (+) = fitting x 2.50m	2.5	
NORMAL GA Norm Size (MM)	S FLOW T Mean ID	HROUGH 2	PEX / AI	L / PEX C	OMPOSITI 8	E PIPE (	CRIMPED 12	FITTINGS 14	16		fitting x 2.50m %	Fittings	Mtrs
NORMAL GA Norm Size (MM)	S FLOW T  Mean ID	2 455	<b>4</b> 312	6 251	<b>8</b> 215	10 190	12 172	<b>14</b> 159	<b>16</b>	138	fitting x 2.50m % 0.00	Fittings	18
NORMAL GA Norm Size (MM)	Mean ID	455 967	<b>4</b> 312 665	6 251 534	8 215 457	10 190 405	12 172 367	14 159 337	16 148 314	138 295	fitting x 2.50m % 0.00 0.00	Fittings 0 0	18 18
NORMAL GA Norm Size (MM)	S FLOW T  Mean ID	455 967 1736	312 665 1193	<b>6</b> 251 534 958	215 457 820	10 190	12 172 172 367 659	14 159 337 606	148 314 564	138 295 529	fitting x 2.50m % 0.00 0.00 0.00	Fittings	18 18 18
NORMAL GA Norm Size (MM)	Mean ID	455 967	<b>4</b> 312 665	6 251 534	8 215 457	10 190 405 727	12 172 367	14 159 337	16 148 314	138 295	fitting x 2.50m % 0.00 0.00	Fittings 0 0 0	18 18
NORMAL GA Norm Size (MM)  16 20 25 32  Norm Size	Mean ID	455 967 1736 3455	312 665 1193 2375	251 534 958 1907	8 215 457 820 1632	10 190 405 727 1447	12 172 367 659 1311	159 337 606 1206	148 314 564 1122	138 295 529 1053	fitting x 2.50m % 0.00 0.00 0.00 0.00 0.00 Corrections (+) =	0 0 0 0	18 18 18
NORMAL GA Norm Size (MM)  16 20 25 32 Norm Size (MM)	12 16 20 26	455 967 1736 3455 20	312 665 1193 2375 <b>25</b>	251 534 958 1907 30	215 457 820 1632 35	190 405 727 1447 40	12 172 367 659 1311 45	14 159 337 606 1206 50	148 314 564 1122 55	138 295 529 1053 <b>60</b>	fitting x 2.50m  %  0.00 0.00 0.00 0.00 Corrections {+} = fitting x 2.50m % 0.00	Fittings  0 0 0 0 2.5 Fittings	18 18 18 18 18 Mtrs
NORMAL GA Norm Size (MM)  16 20 25 32 Norm Size (MM)	12 16 20 26	455 967 1736 3455 20	312 665 1193 2375 <b>25</b>	251 534 958 1907 30	215 457 820 1632 35	190 405 727 1447 40	12 172 367 659 1311 45	14 159 337 606 1206 50	16  148 314 564 1122 55	138 295 529 1053 <b>60</b> 72 154	fitting x 2.50m  %  0.00 0.00 0.00 0.00 Corrections (+) = fitting x 2.50m % 0.00 0.00 0.00	Fittings	18 18 18 18 18 Mtrs 30 30
NORMAL GA Norm Size (MM)  16 20 25 32 Norm Size (MM)	12 16 20 26	455 967 1736 3455 20	312 665 1193 2375 <b>25</b>	251 534 958 1907 30	215 457 820 1632 35	190 405 727 1447 40	12 172 367 659 1311 45	14 159 337 606 1206 50	148 314 564 1122 55	138 295 529 1053 <b>60</b>	fitting x 2.50m  %  0.00 0.00 0.00 0.00 Corrections {+} = fitting x 2.50m % 0.00	Fittings  0 0 0 0 2.5 Fittings	18 18 18 18 18 Mtrs
NORMAL GA Norm Size (MM)  16 20 25 32  Norm Size (MM)  16 20 25 32  LPG - (METI	12 16 20 26 12 16 20 26	455 967 1736 3455 20 131 278 500 994 URE 2.75	312 665 1193 2375 25 116 247 443 881	251 534 958 1907 30 105 223 401 798 ESSURE	97 206 369 734 DROP OF	190 405 727 1447 40 90 191 343 683 0.25KPA	12 172 367 659 1311 45 84 179 322 641	14  159 337 606 1206  50  80 169 304 606	16  148 314 564 1122 55  76 161 289 575	138 295 529 1053 <b>60</b> 72 154 276	fitting x 2.50m  %  0.00 0.00 0.00 0.00  Corrections {+} = fitting x 2.50m %  0.00 0.00 0.00 0.00 0.00	Fittings	18 18 18 18 18 30 30 30
NORMAL GA Norm Size (MM)  16 20 25 32  Norm Size (MM)  16 20 25 32  LPG - (MET) LPG GAS FL	12 16 20 26 12 16 20 26	455 967 1736 3455 20 131 278 500 994 URE 2.75	312 665 1193 2375 25 116 247 443 881	251 534 958 1907 30 105 223 401 798 ESSURE	97 206 369 734 DROP OF	190 405 727 1447 40 90 191 343 683 0.25KPA	12 172 367 659 1311 45 84 179 322 641	14  159 337 606 1206  50  80 169 304 606	16  148 314 564 1122 55  76 161 289 575	138 295 529 1053 <b>60</b> 72 154 276	fitting x 2.50m  %  0.00 0.00 0.00 0.00  Corrections (+) = fitting x 2.50m  % 0.00 0.00 0.00 0.00 0.00	Fittings	18 18 18 18 18 30 30 30
NORMAL GA Norm Size (MM)  16 20 25 32  Norm Size (MM)  16 20 25 32  LPG - (METI	12 16 20 26 12 16 20 26	455 967 1736 3455 20 131 278 500 994 URE 2.75	312 665 1193 2375 25 116 247 443 881	251 534 958 1907 30 105 223 401 798 ESSURE	97 206 369 734 DROP OF	190 405 727 1447 40 90 191 343 683 0.25KPA	12 172 367 659 1311 45 84 179 322 641	14  159 337 606 1206  50  80 169 304 606	16  148 314 564 1122 55  76 161 289 575	138 295 529 1053 <b>60</b> 72 154 276	fitting x 2.50m	Fittings  0 0 0 0 2.5  Fittings  0 0 0 2.5	18 18 18 18 18 Mtrs 30 30 30
NORMAL GA Norm Size (MM)  16 20 25 32  Norm Size (MM)  16 20 25 32  LPG - (METILPG GAS FL Norm Size (MM)	Mean ID  12 16 20 26  12 16 20 26  ER PRESS OW THROL	455 967 1736 3455 20 131 278 500 994 URE 2.75 UGH PEX	312 665 1193 2375 25 25 116 247 443 881 6KPAJ PR	251 534 958 1907 30 105 223 401 798 ESSURE EX COMPO	97 206 369 734 DROP OF 0SITE PIP	10  190 405 727 1447 40  90 191 343 683 0.25KPA PE CRIMI 10	12  172 367 659 1311 45  84 179 322 641 A PED FITT 12	14  159 337 606 1206 50  80 169 304 606 INGS [MJ 14	16  148 314 564 1122 55  76 161 289 575  /H] 16	138 295 529 1053 <b>60</b> 72 154 276 549	fitting x 2.50m	Fittings  0 0 0 2.5 Fittings  0 0 2.5 Fittings	18 18 18 18 18 30 30 30 30 Mtrs
NORMAL GA Norm Size (MM)  16 20 25 32  Norm Size (MM)  16 20 25 32  LPG – (METIL LPG GAS FL Norm Size (MM)	12 16 20 26 12 16 20 26 ER PRESS OW THROU Mean ID	455 967 1736 3455 20 131 278 500 994 URE 2.75 UGH PEX 2	312 665 1193 2375 25 25 116 247 443 881 6KPAJ PR 4	251 534 958 1907 30 105 223 401 798 ESSURE EX COMPI	97 206 369 734 DROP OF DITE PIP 8	10  190 405 727 1447 40  90 191 343 683 0.25KPA PE CRIMI 10	12  172 367 659 1311 45  84 179 322 641 APED FITT 12	14  159 337 606 1206 50  80 169 304 606 INGS [MJ 14	16  148 314 564 1122 55  76 161 289 575 /H] 16	138 295 529 1053 <b>60</b> 72 154 276 549	fitting x 2.50m	Fittings	18 18 18 18 18 30 30 30 30 40 Mtrs 18
NORMAL GA Norm Size (MM)  16 20 25 32  Norm Size (MM)  16 20 25 32  LPG - (METILPG GAS FL Norm Size (MM)  16 20  16 20  16 20  17 18 18 18 18 18 18 18 18 18 18 18 18 18	Mean ID  12 16 20 26  12 16 20 26  Mean ID  12 16 20 26  12 16 20 26  17 18 18 19 19 10 11 11 11 12 11 11 11 11 11 11 11 11 11	455 967 1736 3455 20  131 278 500 994 URE 2.75 UGH PEX 2	312 665 1193 2375 25 116 247 443 881 6KPA) PR 4 194 414	251 534 958 1907 30 105 223 401 798 ESSURE EX COMPI	97 206 369 734 DROP OF OSITE PIP 8	10  190 405 727 1447 40  90 191 343 683  0.25KPA PE CRIMI 10	12 172 367 659 1311 45 84 179 322 641 APED FITT 12	14  159 337 606 1206 50  80 169 304 606  INGS [MJ 14	16  148 314 564 1122 55  76 161 289 575  /HJ 16	138 295 529 1053 <b>60</b> 72 154 276 549 <b>18</b>	fitting x 2.50m	Fittings	18 18 18 18 18 30 30 30 30 30 10 11 11 11 11 11 11 11 11 11 11 11 11
NORMAL GA Norm Size (MM)  16 20 25 32  Norm Size (MM)  16 20 25 32  LPG – (METIL LPG GAS FL Norm Size (MM)	12 16 20 26 12 16 20 26 ER PRESS OW THROU Mean ID	455 967 1736 3455 20 131 278 500 994 URE 2.75 UGH PEX 2	312 665 1193 2375 25 25 116 247 443 881 6KPAJ PR 4	251 534 958 1907 30 105 223 401 798 ESSURE EX COMPI	97 206 369 734 DROP OF DITE PIP 8	10  190 405 727 1447 40  90 191 343 683 0.25KPA PE CRIMI 10	12  172 367 659 1311 45  84 179 322 641 APED FITT 12	14  159 337 606 1206 50  80 169 304 606 INGS [MJ 14	16  148 314 564 1122 55  76 161 289 575 /H] 16	138 295 529 1053 <b>60</b> 72 154 276 549	fitting x 2.50m	Fittings	18 18 18 18 18 30 30 30 30 40 Mtrs 18
NORMAL GA Norm Size (MM)  16 20 25 32  Norm Size (MM)  16 20 25 32  LPG - (MET) LPG GAS FL Norm Size (MM)  16 20 25 32  Norm Size (MM)	Mean ID  12 16 20 26  12 16 20 26  Mean ID  12 16 20 26  ER PRESS  OW THROL  Mean ID  12 16 20 20 20 20  Mean ID	455 967 1736 3455 20  131 278 500 994 URE 2.75 UGH PEX 2 283 602 1080	312 665 1193 2375 25 116 247 443 881 6KPA) PR / AL / PR 4 194 414 743	251 534 958 1907 30 105 223 401 798 ESSURE EX COMPI	97 206 369 734 DROP OF OSITE PIP 8	10  190 405 727 1447 40  90 191 343 683  0.25KPA E CRIMI 10  118 252 452	12 172 367 659 1311 45 84 179 322 641 APED FITT 12 107 228 410	14  159 337 606 1206  50  80 169 304 606  INGS [MJ 14  99 210 377	16  148 314 564 1122 55  76 161 289 575  /HJ 16	138 295 529 1053 <b>60</b> 72 154 276 549 <b>18</b>	fitting x 2.50m	Fittings	Mtrs 30 30 30 30 30 31 30 31 30 31 31 31 31 31 31 31 31 31 31
NORMAL GA Norm Size (MM)  16 20 25 32  Norm Size (MM)  16 20 25 32  LPG - (MET) LPG GAS FL Norm Size (MM)  16 20 25 32	Mean ID  12 16 20 26  12 16 20 26  Mean ID  12 16 20 26  ER PRESS  OW THROL  Mean ID  12 16 20 20 20 20  Mean ID	2  455 967 1736 3455 20  131 278 500 994  URE 2.75  UGH PEX 2  283 602 1080 2150	25  116 247 443 881 6KPA) PR 4 194 414 743 1478	251 534 958 1907 30  105 223 401 798  ESSURE EX COMPI 6  156 332 596 1187	97 206 369 734 DROP OF OSITE PIP 8	10  190 405 727 1447 40  90 191 343 683 0.25KPA E CRIMI 10  118 252 452 900	12  172 367 659 1311 45  84 179 322 641 A PED FITT 12  107 228 410 816	14  159 337 606 1206  50  80 169 304 606  INGS [MJ 14  99 210 377 750	16  148 314 564 1122 55  76 161 289 575  /HJ 16  92 195 351 698	138 295 529 1053 <b>60</b> 72 154 276 549 <b>18</b> 86 183 329 655	fitting x 2.50m	Fittings	18 18 18 18 18  Mtrs 30 30 30 30 30 31  Mtrs 18 18 18
NORMAL GA Norm Size (MM)  16 20 25 32  Norm Size (MM)  16 20 25 32  LPG - (MET) LPG GAS FL Norm Size (MM)  16 20 25 32  Norm Size (MM)	Mean ID  12 16 20 26  12 16 20 26  Mean ID  12 16 20 26  ER PRESS  OW THROL  Mean ID  12 16 20 20 20 20  Mean ID	2  455 967 1736 3455 20  131 278 500 994  URE 2.75  UGH PEX 2  283 602 1080 2150	25  116 247 443 881 6KPA) PR 4 194 414 743 1478	251 534 958 1907 30  105 223 401 798  ESSURE EX COMPI 6  156 332 596 1187	97 206 369 734 DROP OF OSITE PIP 8	10  190 405 727 1447 40  90 191 343 683 0.25KPA E CRIMI 10  118 252 452 900	12  172 367 659 1311 45  84 179 322 641 A PED FITT 12  107 228 410 816	14  159 337 606 1206  50  80 169 304 606  INGS [MJ 14  99 210 377 750	16  148 314 564 1122 55  76 161 289 575  /HJ 16  92 195 351 698	138 295 529 1053 <b>60</b> 72 154 276 549 <b>18</b> 86 183 329 655	fitting x 2.50m	Fittings	Mtrs 30 30 30 30 30 31 30 31 30 31 31 31 31 31 31 31 31 31 31
NORMAL GA Norm Size (MM)  16 20 25 32  Norm Size (MM)  16 20 25 32  LPG - (METI LPG GAS FL Norm Size (MM)  16 20 25 32  Norm Size (MM)  16 20 25 32  Norm Size (MM)	12 16 20 26 ER PRESS OW THROID  12 16 20 26 17 16 20 26 18 20 26 19 26 1	455 967 1736 3455 20  131 278 500 994  URE 2.75  UGH PEX 2  283 602 1080 2150 20	PEX / Al  4  312 665 1193 2375 25  116 247 443 881 6KPAJ PR 4  194 414 743 1478 25	251 534 958 1907 30  105 223 401 798 ESSURE EX COMPI  6  156 332 596 1187 30	97 206 369 734 DROP OF OSITE PIP  8 134 284 510 1016 35 60 128	10 190 405 727 1447 40 90 191 343 683 0.25KPA PE CRIMI 10 118 252 452 900 40	12  172 367 659 1311 45  84 179 322 641  APED FITT 12  107 228 410 816  45	14  159 337 606 1206 50  80 169 304 606  INGS [MJ 14  99 210 377 750  50  105	16  148 314 564 1122 55  76 161 289 575  /H]  16  92 195 351 698  55	138 295 529 1053 <b>60</b> 72 154 276 549 <b>18</b> 86 183 329 655 <b>60</b>	fitting x 2.50m	Fittings	Mtrs 30 30 30 30 30 30 30 30 30 30 30 30 30
NORMAL GA Norm Size (MM)  16 20 25 32  Norm Size (MM)  16 20 25 32  LPG - (METI LPG GAS FL Norm Size (MM)  16 20 25 32  Norm Size (MM)  16 16 20 25 32  Norm Size (MM)	12 16 20 26 ER PRESS OW THROID 12 16 20 26 26 26 26 26 26 26 26 26 26 26 26 26	2  455 967 1736 3455 20  131 278 500 994 URE 2.75 UGH PEX 2  283 602 1080 2150 20	PEX / Al  4  312 665 1193 2375 25  116 247 443 881 6KPAJ PR 4  194 414 743 1478 25	251 534 958 1907 30 105 223 401 798 ESSURE EX COMPO 6 156 332 596 1187 30	97 206 369 734 DROP OF OSITE PIP 8 134 284 510 1016 35 60	10 190 405 727 1447 40 90 191 343 683 0.25KPA PE CRIMI 10 118 252 452 900 40	12  172 367 659 1311 45  84 179 322 641 A PED FITT 12  107 228 410 816 45	14  159 337 606 1206 50  80 169 304 606 INGS [MJ 14  99 210 377 750  50	16  148 314 564 1122 55  76 161 289 575  /H] 16  92 195 351 698 55	138 295 529 1053 <b>60</b> 72 154 276 549 <b>18</b> 86 183 329 655 <b>60</b>	fitting x 2.50m	Fittings	Mtrs 30 30 30 30 30 30 30 30 30 30 30 30 30

### OTHER LEAP SYSTEMS



#### MANIFOLD PLUMBING SYSTEM

MANIFLOW saves energy and conserves water by having a dedicated pipeline from a manifold near the hot water cylinder to each tap or fixture in the house. Hot water goes straight where it's needed without sitting round cooling in the big 'feeder' pipes needed to serve multiple outlets. Less energy and water is wasted, as hot water arrives faster at the tap. Flexible and non-metallic pipes result in a quiet and efficient plumbing system that doesn't suffer corrosion, scaling or microbial build-up.



#### FLEXIBLE PUSH-FIT PLUMBING SYSTEM

Hep20 has evolved over 20 years to become the leading flexible push-fit plumbing system for hot and cold water. Flexible polybutylene in conjunction with straight coils enables pipe to be cabled into position, meaning fewer joints and minimised installation and alteration costs.



HOT AND COLD PLUMBING SYSTEM WATERTITE is a high integrity and high performance piping system designed to offer installers the benefits of a high temperature and a flexible non-metallic pipe. WATERTITE pipe is manufactured using crosslinking technology first developed in Europe and performs in ways that provide superior reliability, durability and safety.



#### HEAT PUMP WATER HEATING SYSTEM

THERMAGENIUS extracts renewable energy stored in the air to heat water. THERMAGENIUS is not dependent on weather and operates throughout the year from inside or outside your home. With high efficiencies, payback on a THERMAGENIUS can be very quick. Unobtrusive, easy to install and cheap to run, these units are a great way to provide hot water for the home. The only energy used is electricity to power the pumps but delivering 3 or 4 times as much energy.



#### HOME FIRE SPRINKLER SYSTEM

BLAZESTOP is an affordable sprinkler system linked to a domestic water supply, putting the reassurance of sprinkler protection within reach of private homeowners. Designed especially for the home environment, BLAZESTOP uses sprinkler heads concealed in the ceiling. Flexible, concealed piping makes retrofitting into homes easy and cost-effective. Made from durable polybutylene, it isn't affected by scaling, corrosion, or microbiological growth and doesn't transmit noise.



#### HYDRONIC HEATING SYSTEM

TERRATHERM is a highly effective and unobtrusive way to radiate comfortable, healthy warmth through your home.

TERRATHERM pipes in heat via hot water circulated through flexible underfloor pipes. The system delivers warmth that starts at ground level then slowly rises.

TERRATHERM is built-in, involving no unsightly heaters, panels or vents. Its zone-by-zone controls also let you manage your home heating more efficiently, ensuring heat goes where and when it's needed.

FOR MORE INFORMATION ABOUT GASTITE CALL

1800 666 952

Leap Australasia Pty Ltd 95b Cheltenham Road Dandenong Victoria 3175 Australia t: + 61 3 9791 2462 f: + 61 3 9791 2409 www.leapltd.com.au

