

## Introduction

Plastic pipelines have been used to transport compressed air for many years. Extensive testing has been carried out to ensure the optimum choice of materials and jointing methods are utilised.

## Applications

Compressed Air Pipe manufactured from PE100 provides the following benefits:

- ✓ **Corrosion Resistance** - PE100 will not corrode unlike metallic pipework.
- ✓ **Chemical Resistance** - PE100 has excellent chemical resistance and is suitable for use in contact with compressor oils.
- ✓ **Impact Resistance** - PE100 has high impact strength which maximises resistance to external damage.
- ✓ **Thermal insulator** - Minimises variation in compressed air temperature and thus pressure variations.
- ✓ **Fracture Resistance** - High resistance to fracture means that PE100 will present minimal hazard in the event of accidental damage and the pipe system would not normally require additional protection.
- ✓ **Low Noise/Vibration Transmission** - PE100 pipes with their flexibility will not transmit vibrations to other structures.

## Installation

The light weight of PE100 pipe facilitates quick and easy installation. Combined with the benefits of prefabrication, this enables installation costs to be reduced.

Compressed Air Pipe can be fixed into or onto cable trays, further reducing costs. The pipelines can be secured with pipe clips. Since PE100 does not conduct electricity, it is safe to install them in cable trays alongside electrical cables.

### Compressed Air System Proudly Distributed By:

**ACP Australian Custom Pipes Pty Ltd** ABN: 87 110 243 537  
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**ACP**  
AUSTRALIAN CUSTOM PIPES

PLASTIC PIPE • FABRICATION • MOULDING SPECIALIST

## COMPRESSED AIR SYSTEM



**Non Toxic**

**Non Corrosive**

**Australian Made Pipe**

Pipe Available

SIZE	SDR11 PRODUCT CODE	SDR9 PRODUCT CODE	PACK QTY
25	A41726025	A41727025	25
32	A41726032	A41727032	25
40	A41726040	A41727040	18
50	A41726050	A41727050	10
63	A41726063	A41727063	5
75	A41726075	A41727075	5
90	A41726090	A41727090	3
110	A41726110	A41727110	3

# Compressed Air System - Mechanical Fitting Range

## Coupler



SIZE	PRODUCT CODE
25	727906307
32	727906308
40	727906309
50	727906310
63	727906311

## Reducing Coupler



SIZE	PRODUCT CODE
32 - 25	727906341
40 - 32	727906346
40 - 25	727906347
50 - 40	727906352
50 - 32	727906353
63 - 32	727906356
63 - 50	727906358

## Elbow 90°



SIZE	PRODUCT CODE
25	727106307
32	727106308
40	727106309
50	727106310
63	727106311

## Elbow 90° - Female Threaded Outlet



SIZE	PRODUCT CODE
25 - 3/4"	727116307
32 - 1"	727116308
32 - 1 1/4"	727116340
40 - 1 1/4"	727116309
40 - 1 1/2"	727116345
50 - 1 1/2"	727116310
50 - 2"	727116351
63 - 2"	727116311

## Elbow 90° - Male Threaded Outlet



SIZE	PRODUCT CODE
25 - 3/4"	727126307
32 - 1"	727126308

## Elbow 45°



SIZE	PRODUCT CODE
25	727156307
32	727156308
40	727156309
50	727156310
63	727156311

## Tee



SIZE	PRODUCT CODE
25	727206307
32	727206308
40	727206309
50	727206310
63	727206311

## Tee - Female Threaded Offtake



SIZE	PRODUCT CODE
25 - 1/2"	727216337
25 - 3/4"	727216307
25 - 1"	727216336
32 - 3/4"	727216341
32 - 1"	727216308
32 - 1 1/4"	727216340
40 - 1 1/4"	727216309
40 - 1 1/2"	727216345
50 - 1 1/2"	727216310
50 - 2"	727216351
63 - 2"	727216311

## Tee - Male Threaded Offtake



SIZE	PRODUCT CODE
25 - 1/2"	727226337
25 - 3/4"	727226307

## Tee - Reducing Offtake



SIZE	PRODUCT CODE
25 - 32	727206338
32 - 25	727206341
40 - 32	727206346
50 - 40	727206352
50 - 32	727206353
63 - 32	727206357
63 - 50	727206358

## End Cap



SIZE	PRODUCT CODE
25	727966307
32	727966308
40	727966309
50	727966310
63	727966311

## Branch Saddle



SIZE	PRODUCT CODE
25 - 3/4"	727627012
32 - 3/4"	727627022
32 - 1"	727627023
40 - 3/4"	727627032
40 - 1"	727627033
50 - 3/4"	727627042
50 - 1"	727627043
63 - 3/4"	727627052
63 - 1"	727627053

## Female Threaded Connector



SIZE	PRODUCT CODE
25 - 1/2"	727916337
25 - 3/4"	727916307
25 - 1"	727916336
32 - 1"	727916308
40 - 1 1/4"	727916309
40 - 1 1/2"	727916345
50 - 1 1/2"	727916310
50 - 2"	727916351
63 - 2"	727916311

## Male Threaded Connector



SIZE	PRODUCT CODE
25 - 1/2"	727926337
25 - 3/4"	727926307
25 - 1"	727926336
32 - 3/4"	727926341
32 - 1"	727926308
32 - 1 1/4"	727926340
32 - 1 1/2"	727926339
40 - 1"	727926346
40 - 1 1/4"	727926309
40 - 1 1/2"	727926345
40 - 2"	727926347
50 - 1 1/2"	727926310
50 - 2"	727926351
63 - 2"	727926311

## Ball Valve (Brass)



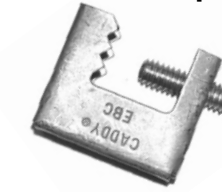
SIZE	PRODUCT CODE
1/2"	A38469915
3/4"	A38469920
1"	A38469925
1 1/4"	A38469932
1 1/2"	A38469940
2"	A38469950

## Assembly Tool



SIZE	PRODUCT CODE
16 - 32	799198097
40 - 63	799198098

## Purlin Clip



SIZE	PRODUCT CODE
All Sizes	A30811299

## Pipe Clip



SIZE	PRODUCT CODE
25	167061037
32	167061038
40	167061039
50	167061040
63	167061041

## Wall Plate Brass



SIZE	PRODUCT CODE
25 - 3/4"	720100207

## Wall Plate Plastic



SIZE	PRODUCT CODE
25 - 3/4"	158001920

Compressed Air System Mechanical Fittings are available in sizes 75mm, 90mm and 110mm upon request.

**Also Available**  
Compressed Air System GF  
Electrofusion Fittings

