

PRESSURE SYSTEMS

Infrapipe NZ is proud to be a quality assured manufacturer of PE pressure systems supporting the New Zealand Civil Market in both pressure drinking and wastewater applications.

PRESSURE SYSTEMS

PE 80B

20mm, 25mm, 32mm, 40mm, 50mm, 63mm

Available in **Blue Jacket**, **Green Jacket** & **Orange Jacket**

- Manufactured in accordance with AS/NZS 4130
- Pressure rating PN10, PN12.5
- Available in Coils 25m, 50m and 100m lengths
- Available in Straight lengths 6m, 12m, 15m
- Compatible with all major compression fittings

PE 100

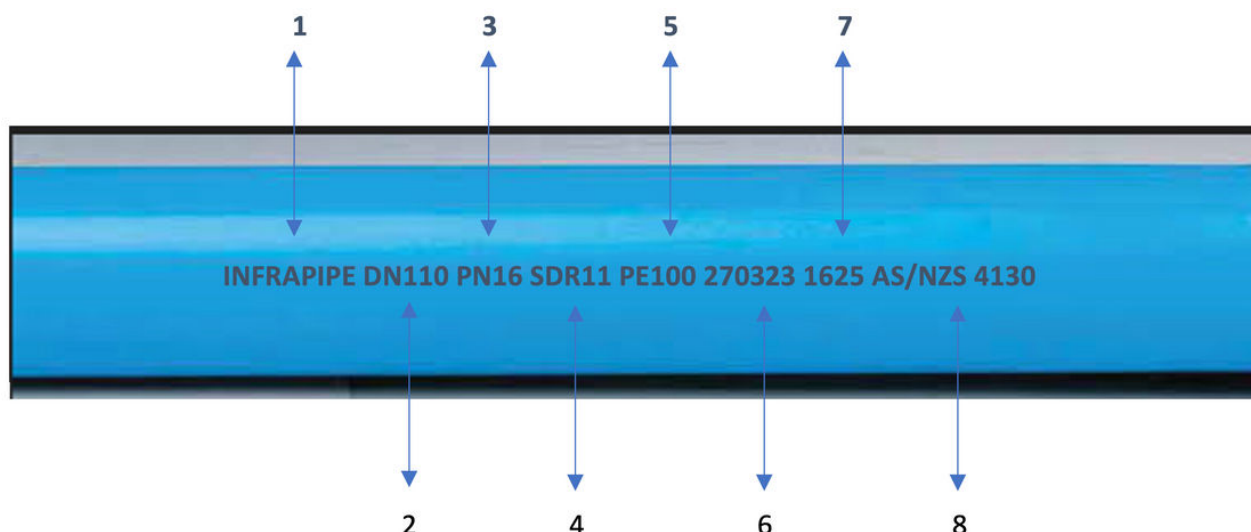
20mm, 40mm, 50mm, 63mm, 75mm, 90mm, 110mm, 125mm, 140mm, 160mm, 180mm, 200mm, 225mm, 250mm, 280mm, 315mm, 355mm

Available in **Blue Jacket**, **Green Jacket**, **Orange Jacket**, **Black**, **Black/Blue stripe**, **Black/Cream stripe**

- Manufactured in accordance with AS/NZS 4130
- Pressure rating PN10, PN12.5, PN16
- Available in Coils 25m, 50m, 100m, 200m lengths
- Available in Straight Lengths 6m, 12m, 15m
- Compatible with all major compression fittings

PRESSURE PIPE

IDENTIFICATION CODES



1. Company Name
2. Nominal Outside Diameter
3. Pressure/PN Rating
4. Standard Dimensional Ratio
5. Material Type
6. Date of Manufacture
7. Time of Manufacture
8. Manufacturing Standard

PN/Bar Pressure Rating	PSI Pressure Rating
PN6	87.0
PN10	145.0
PN12.5	181.3
PN16	232.1
PN20	290.1

INSTALLATION

01

Trenchless installation

Infrapipe PE pressure pipes can be installed by several trenchless methods

- Horizontal Directional Drilling
- Pipe Bursting
- Slip Lining
- Conventional open cut trench

**Note best practice for trenchless installation of PE pipes can be found on the Australasian society for Trenchless Technology website.*

02

Open Cut Trench Installation

Correct bedding material completely around the PE pipe must be:

- Compactible
- Non cohesive material
- Not exceeding 20mm maximum portion of matter
- Approved aggregate must comply with contract specification

03

Backfill

It is important to use the correct backfill material which may include domestic or imported compatible aggregate but again must comply to the contract specification.

04

Backfill Compaction

All variations of buried PE pipes require correct method of backfill compaction, it is vital compaction both under and alongside the pipe is correct to ensure good structural performance of the backfill.

Correct steps to good backfill placement of bedding:

- Under the pipe
- Sides of the pipe
- On top of the pipe

Make sure all the above steps are completed before placement and compaction of the trench backfill above the bedding area.

05

Field Testing of Pipes

Pressure pipes should always be field tested to make sure any faults are uncovered during the pipeline construction. The following checks should be carried out on all pipe joints and method of jointing.

All checks to be completed are:

- Butt fusion joints
- Electrofusion joints
- All pipeline components valves, bends, tapping bands, tees, gate valves, service valves etc

Completing the field test will determine that the pipeline and the added components will handle the pressure greater than its design pressure without leaking.

QUALITY ASSURANCE & STANDARDS APPROVAL

Infrapipe Pressure pipes are manufactured to the highest of quality and comply with all the terms and conditions as stipulated by the governance of operating rules of the ISO Type 5 Scheme that meets or exceeds standards requirements AS/NZS 4130:2018 – Polyethylene (PE) pipes for pressure applications.

Infrapipe Pressure pipe is produced from 100% PE material and complies with the dimensions and ratings of pressure pipes outlined in the standard AS/NZS 4130:2018. Infrapipe customers can be assured that our PE100 pressure pipes produced in our New Zealand factory can expect to be provided with asset durability in excess of 100 years, when installed in accordance with the Standards Operation Specification AS/NZS 2033 Installation of PE Pipe and Fittings.



PRODUCT RANGE

Infrapipe Code	Brand Name	Product Description
80.20.11.BU	Infrapipe - Pressure	20mm OD PE80 SDR11 PN12.5 PE Pipe Blue Jacket
100.20.11.GRJ	Infrapipe – Pressure	20mm OD PE100 SDR11 PN16 PE Pipe Green Jacket
80.25.11.BU	Infrapipe – Pressure	25mm OD PE80 SDR11 PN12.5 PE Pipe Blue Jacket
80.32.11.BU	Infrapipe – Pressure	32mm OD PE80 SDR11 PN12.5 PE Pipe Blue Jacket
80.32.17.GRJ	Infrapipe – Pressure	32mm OD PE80 SDR17 PN10 PE Duct Pipe Green Jacket
80.32.17.ORJ	Infrapipe – Pressure	32mm OD PE80 SDR17 PN10 PE Duct Pipe Orange Jacket
100.40.11.B	Infrapipe – Pressure	40mm OD PE100 SDR11 PN16 PE Pipe Black
100.40.11.CRS	Infrapipe – Pressure	40mm OD PE100 SDR11 PN16 PE Pipe Black/Cream Stripe
80.40.11.BU	Infrapipe – Pressure	40mm OD PE80 SDR11 PN12.5 PE Pipe Blue Jacket
100.40.17.GRJ	Infrapipe – Pressure	40mm OD PE100 SDR17 PN10 PE Duct Pipe Green Jacket
100.40.17.ORJ	Infrapipe – Pressure	40mm OD PE100 SDR17 PN10 PE Duct Pipe Orange Jacket
100.50.11.CRS	Infrapipe – Pressure	50mm OD PE100 SDR11 PN16 PE Pipe Black/Cream Stripe
80.50.11.BU	Infrapipe – Pressure	50mm OD PE80 SDR11 PN12.5 PE Pipe Blue Jacket
100.50.17.B	Infrapipe – Pressure	50mm OD PE100 SDR17 PN10 PE Pipe Black
100.50.17.GRJ	Infrapipe – Pressure	50mm OD PE100 SDR17 PN10 PE Duct Pipe Green Jacket
100.50.17.ORJ	Infrapipe – Pressure	50mm OD PE100 SDR17 PN10 PE Duct Pipe Orange Jacket
100.63.11.BLS	Infrapipe – Pressure	63mm OD PE100 SDR11 PN16 PE Pipe Black/Blue Stripe
100.63.11.CRS	Infrapipe – Pressure	63mm OD PE100 SDR11 PN16 PE Pipe Black/Cream Stripe
80.63.11.BU	Infrapipe – Pressure	63mm OD PE80 SDR11 PN12.5 PE Pipe Blue Jacket
100.63.17.GRJ	Infrapipe – Pressure	63mm OD PE100 SDR17 PN10 PE Duct Pipe Green Jacket
100.63.17.ORJ	Infrapipe – Pressure	63mm OD PE100 SDR17 PN10 PE Duct Pipe Orange Jacket
100.75.11.CRS	Infrapipe – Pressure	75mm OD PE100 SDR11 PN16 PE Pipe Black/Cream Stripe
100.75.11.B	Infrapipe – Pressure	75mm OD PE100 SDR11 PN16 PE Pipe Black
100.75.17.B	Infrapipe – Pressure	75mm OD PE100 SDR17 PN10 PE Pipe Black
100.90.17.B	Infrapipe – Pressure	90mm OD PE100 SDR17 PN10 PE Pipe Black
100.90.17.GRJ	Infrapipe - Pressure	90mm OD PE100 SDR17 PN8 PE Duct Pipe Green Jacket
100.90.17.ORJ	Infrapipe – Pressure	90mm OD PE100 SDR17 PN8 PE Duct Pipe Orange Jacket
100.90.11.BLS	Infrapipe – Pressure	90mm OD PE100 SDR11 PN16 PE Pipe Black/Blue Stripe
100.90.11.CRS	Infrapipe – Pressure	90mm OD PE100 SDR11 PN16 PE Pipe Black/Cream Stripe
100.90.13.B	Infrapipe – Pressure	90mm OD PE100 SDR13.6 PN12.5 PE Pipe Black
100.90.17.B	Infrapipe – Pressure	90mm OD PE100 SDR17 PN8 PE Pipe Black
100.110.17.B	Infrapipe – Pressure	110mm OD PE100 SDR17 PN10 PE Pipe Black
100.110.17.GRJ	Infrapipe – Pressure	110mm OD PE100 SDR17 PN10 PE Duct Pipe Green Jacket
100.110.17.ORJ	Infrapipe – Pressure	110mm OD PE100 SDR17 PN10 PE Duct Pipe Orange Jacket
100.110.11.B	Infrapipe – Pressure	110mm OD PE100 SDR11 PN16 PE Pipe Black
100.110.11.BLS	Infrapipe – Pressure	110mm OD PE100 SDR11 PN16 PE Pipe Black/Blue Stripe

****Note** available lengths are subject to PN rating and weight – Tool Change charge will apply to small pipe Qty <400m

PRODUCT RANGE

Infrapipe Code	Brand Name	Product Description
100.125.17.B	Infrapipe - Pressure	125mm OD PE100 SDR17 PN10 PE Pipe Black
100.125.11.B	Infrapipe – Pressure	125mm OD PE100 SDR11 PN16 PE Pipe Black
100.125.11.BLJ	Infrapipe – Pressure	125mm OD PE100 SDR11 PN16 PE Pipe Blue Jacket
100.125.13.BLJ	Infrapipe – Pressure	125mm OD PE100 SDR13.6 PN12.5 PE Pipe Blue Jacket
100.140.17.ORJ	Infrapipe – Pressure	140mm OD PE100 SDR17 PN10 PE Duct Pipe Orange Jacket
100.140.11.CRS	Infrapipe – Pressure	140mm OD PE100 SDR11 PN16 PE Pipe Black/Cream Stripe
100.160.17.B	Infrapipe – Pressure	160mm OD PE100 SDR17 PN10 PE Pipe Black
100.160.11.B	Infrapipe – Pressure	160mm OD PE100 SDR11 PN16 PE Pipe Black
100.160.17.ORJ	Infrapipe – Pressure	160mm OD PE100 SDR17 PN10 PE Duct Pipe Orange
100.180.17.B	Infrapipe – Pressure	180mm OD PE100 SDR17 PN10 PE Pipe Black
100.180.11.B	Infrapipe – Pressure	180mm OD PE100 SDR11 PN16 PE Pipe Black
100.180.13.BLJ	Infrapipe – Pressure	180mm OD PE100 SDR13.6 PN12.5 PE Pipe Blue Jacket
100.180.17.ORJ	Infrapipe – Pressure	180mm OD PE100 SDR17 PN10 PE Pipe Orange Jacket
100.200.11.B	Infrapipe – Pressure	200mm OD PE100 SDR11 PN16 PE Pipe Black
100.200.17.B	Infrapipe – Pressure	200mm OD PE100 SDR17 PN10 PE Pipe Black
100.225.17.B	Infrapipe – Pressure	225mm OD PE100 SDR17 PN10 PE Pipe Black
100.225.11.B	Infrapipe – Pressure	225mm OD PE100 SDR11 PN16 PE Pipe Black
100.225.11.BLJ	Infrapipe – Pressure	225mm OD PE100 SDR11 PN16 PE Pipe Blue Jacket
100.250.17.B	Infrapipe – Pressure	250mm OD PE100 SDR17 PN10 PE Pipe Black
100.250.11.B	Infrapipe – Pressure	250mm OD PE100 SDR11 PN16 PE Pipe Black
100.250.11.BLJ	Infrapipe – Pressure	250mm OD PE100 SDR11 PN16 PE Pipe Blue Jacket
100.250.13.B	Infrapipe – Pressure	250mm OD PE100 SDR13.6 PN12.5 Pipe Black
100.250.13.BLJ	Infrapipe – Pressure	250mm OD PE100 SDR13.6 PN12.5 PE Pipe Blue Jacket
100.250.17.ORJ	Infrapipe – Pressure	250mm OD PE100 SDR17 PN10 PE Pipe Orange Jacket
100.280.17.B	Infrapipe – Pressure	280mm OD PE100 SDR17 PN10 PE Pipe Black
100.280.11.B	Infrapipe - Pressure	280mm OD PE100 SDR11 PN16 PE Pipe Black
100.315.17.B	Infrapipe – Pressure	315mm OD PE100 SDR17 PN10 PE Pipe Black
100.315.11.B	Infrapipe – Pressure	315mm OD PE100 SDR11 PN16 PE Pipe Black
100.315.11.BLJ	Infrapipe – Pressure	315mm OD PE100 SDR11 PN16 PE Pipe Blue Jacket
100.315.13.BLJ	Infrapipe – Pressure	315mm OD PE100 SDR13.6 PN12.5 PE Pipe Blue Jacket
100.355.11.B	Infrapipe – Pressure	355mm OD PE100 SDR11 PN10 PE Pipe Black
100.355.17.B	Infrapipe – Pressure	355mm OD PE100 SDR17 PN10 PE Pipe Black
100.355.11.BLJ	Infrapipe – Pressure	355mm OD PE100 SDR11 PN16 PE Pipe Blue Jacket
100.355.13.B	Infrapipe – Pressure	355mm OD PE100 SDR13.6 PN12 PE Pipe Black
100.355.13.BLJ	Infrapipe – Pressure	355mm OD PE100 SDR13.6 PN12.5 PE Pipe Blue Jacket

****Note** available lengths are subject to PN rating and weight – Tool Change charge will apply to large pipe Qty <200m

PE 80B & PE 100 PRESSURE PIPE OPTIONS & COLOUR

Colour options are subject to diameter, tooling availability and minimum order quantity. **Black, Blue Jacket, Orange Jacket, Black/Cream Stripe, Green Jacket, Black/Blue Stripe.**



Full Black pipe, general applications.



Blue “or” Black with Blue Stripe pipe, for pressure drinking water applications.



Black with Cream Stripe pipe, for pressure wastewater applications.



Orange pipe, for Electrical applications.



Green Pipe, for Communications applications.



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