



# PRODUCT SPECIFICATION

## Compression Fittings

20-110 mm stock range reference

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| DOCUMENT REF. | SUBJECT         | VERSION | DOCUMENT DATE |
|---------------|-----------------|---------|---------------|
| WP-CF-20-110  | Range reference | 1       | 05/10/2026    |

### PRODUCT OVERVIEW AND SPECIFICATION BASIS

#### PRODUCT OVERVIEW

|          |                                                                                                         |
|----------|---------------------------------------------------------------------------------------------------------|
| PRODUCT  | PP compression fittings for PE pipe                                                                     |
| SUPPLIER | Waverley Plastics, Zimbabwe                                                                             |
| RANGE    | 20-110 mm pipe outside diameter (OD)                                                                    |
| SCOPE    | 72 compression-fitting variants across 7 families; 6 ball valves and 2 clamp saddles listed separately. |

#### PRESSURE REFERENCE AT 20°C

| Reference group                | Manufacturer technical graphic  | Supplied-product status          |
|--------------------------------|---------------------------------|----------------------------------|
| 20-63 mm compression fittings  | 16 bar maximum working pressure | Confirm exact series and marking |
| 75-110 mm compression fittings | 10 bar maximum working pressure | Do not treat as PN16             |
| Ball valves and clamp saddles  | 16 bar maximum working pressure | Confirm exact series and marking |

**Pressure is a catalogue reference, not certification of Waverley stock. Public manufacturer listings contain conflicting PN16 and PN10 wording. A stated 25 bar test is not a 25 bar working-pressure rating.**

#### REFERENCE CONSTRUCTION

|                             |                                                                                                            |
|-----------------------------|------------------------------------------------------------------------------------------------------------|
| BODY, NUT AND BLOCKING BUSH | PP-B (polypropylene block copolymer)                                                                       |
| GRIP RING                   | POM (polyoxymethylene)                                                                                     |
| SEAL                        | NBR ring gasket                                                                                            |
| PIPE REFERENCE              | Manufacturer lists metric LDPE, HDPE, PE40, PE80 and PE100 pipe; confirm the actual pipe grade and rating. |
| TEMPERATURE                 | Pressure must be reduced as temperature rises; a numerical derating schedule has not been verified.        |

This sheet is a stock-range and catalogue reference. Confirm the delivered manufacturer, series, pressure marking, pipe compatibility and application before ordering or installation. Current availability is quoted separately.



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#### EQUAL-SIZE COMPRESSION FITTINGS | 36 VARIANTS

##### COUPLINGS ELBOWS TEES AND END PLUGS

Sizes are PE pipe outside diameters in millimetres. All ports of an equal coupling, equal elbow or equal tee are the listed OD. Codes below are Waverley stock references.

| Pipe OD mm | Coupling     | 90° elbow    | Equal tee    | End plug / cap |
|------------|--------------|--------------|--------------|----------------|
| 20         | 20COUPLING0  | 20ELBOW0000  | 20TEEFITT00  | 20ENDPLUG00    |
| 25         | 25COUPLING0  | 25ELBOW0000  | 25TEEFITT00  | 25ENDPLUG00    |
| 32         | 32COUPLING0  | 32ELBOW0000  | 32TEEFITT00  | 32ENDPLUG00    |
| 40         | 40COUPLING0  | 40ELBOW0000  | 40TEEFITT00  | 40ENDPLUG00    |
| 50         | 50COUPLING0  | 50ELBOW0000  | 50TEEFITT00  | 50ENDPLUG00    |
| 63         | 63COUPLING0  | 63ELBOW0000  | 63TEEFITT00  | 63ENDPLUG00    |
| 75         | 75COUPLING0  | 75ELBOW0000  | 75TEEFITT00  | 75ENDPLUG00    |
| 90         | 90COUPLING0  | 90ELBOW0000  | 90TEEFITT00  | 90ENDPLUG00    |
| 110        | 110COUPLING0 | 110ELBOW0000 | 110TEEFITT00 | 110ENDPLUG00   |

##### CONNECTION AND FUNCTION

| Family         | Connection arrangement | Function                                |
|----------------|------------------------|-----------------------------------------|
| Coupling       | Two compression ends   | Straight joint between equal pipe sizes |
| 90° elbow      | Two compression ends   | 90° change in pipe direction            |
| Equal tee      | Three compression ends | Branch between equal pipe sizes         |
| End plug / cap | One compression end    | Closes the end of a PE pipe             |

##### PRESSURE AND SELECTION NOTES

16 bar at 20°C for 20-63 mm; 10 bar at 20°C for 75-110 mm. These values require exact-series confirmation and do not override a lower rating marked on the delivered product.

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#### MALE THREADED ADAPTORS | 20 VARIANTS

##### MALE ADAPTORS

One PE compression end and one male threaded end. Dimensions below identify the pipe OD and nominal thread size; they are not body dimensions.

| Pipe OD mm | Male thread inches | Waverley stock code |
|------------|--------------------|---------------------|
| 20         | 1/2                | 2012MADAP00         |



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| Pipe OD mm | Male thread inches | Waverley stock code |
|------------|--------------------|---------------------|
| 20         | 3/4                | 2034MADAP00         |
| 20         | 1                  | 2010MADAP00         |
| 25         | 1/2                | 2512MADAP00         |
| 25         | 3/4                | 2534MADAP00         |
| 25         | 1                  | 2510MADAP00         |
| 32         | 1/2                | 3212MADAP00         |
| 32         | 3/4                | 3234MADAP00         |
| 32         | 1                  | 3210MADAP00         |
| 32         | 1 1/4              | 32114MADAP0         |
| 32         | 1 1/2              | 32112MADAP0         |
| 40         | 1                  | 4010MADAP00         |
| 40         | 1 1/4              | 40114MADAP0         |
| 40         | 1 1/2              | 40112MADAP0         |
| 50         | 1 1/4              | 50114MADAP0         |
| 50         | 1 1/2              | 50112MADAP0         |
| 50         | 2                  | 5020MADAP00         |
| 63         | 1 1/2              | 63112MADAP0         |
| 63         | 2                  | 6320MADAP00         |
| 63         | 2 1/2              | 63212MADAP0         |

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#### FEMALE ADAPTORS AND REDUCING COUPLINGS | 16 VARIANTS

##### FEMALE ADAPTORS

One PE compression end and one female threaded end. Thread sizes are nominal inches.

| Pipe OD mm | Female thread inches | Waverley stock code |
|------------|----------------------|---------------------|
| 25         | 3/4                  | 2534FADAP00         |
| 32         | 1                    | 3210FADAP00         |
| 40         | 1 1/4                | 40114FADAP0         |
| 50         | 1 1/2                | 50112FADAP0         |
| 63         | 2                    | 6320FADAP00         |

##### REDUCING COUPLINGS

Two compression ends for joining different PE pipe outside diameters.



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| Larger OD mm | Smaller OD mm | Waverley stock code |
|--------------|---------------|---------------------|
| 25           | 20            | 2520REDCOU0         |
| 32           | 20            | 3220REDCOU0         |
| 32           | 25            | 3225REDCOU0         |
| 40           | 25            | 4025REDCOU0         |
| 40           | 32            | 4032REDCOU0         |
| 50           | 25            | 5025REDCOU0         |
| 50           | 32            | 5032REDCOU0         |
| 50           | 40            | 5040REDCOU0         |
| 63           | 32            | 6332REDCOU0         |
| 63           | 40            | 6340REDCOU0         |
| 63           | 50            | 6350REDCOU0         |

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#### ASSOCIATED VALVES AND SADDLES | 8 VARIANTS

##### COMPRESSION BALL VALVES

| Pipe OD mm | Waverley stock code | Connection                |
|------------|---------------------|---------------------------|
| 20         | 20BALLVAL00         | Compression x compression |
| 25         | 25BALLVAL00         | Compression x compression |
| 32         | 32BALLVAL00         | Compression x compression |
| 40         | 40BALLVAL00         | Compression x compression |
| 50         | 50BALLVAL00         | Compression x compression |
| 63         | 63BALLVAL00         | Compression x compression |

##### CLAMP SADDLES

| Main pipe OD mm | Branch thread inches | Waverley stock code |
|-----------------|----------------------|---------------------|
| 40              | 3/4                  | 4034CLSAD00         |
| 50              | 3/4                  | 5034CLSAD00         |

Clamp saddles form a threaded branch on a PE main. Confirm series, seal, fasteners, thread form and pressure rating independently. Verify the supplied ring configuration.

##### ACCESSORY SELECTION CHECKS

| Check | Requirement |
|-------|-------------|
|-------|-------------|



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| Check                | Requirement                                                                                          |
|----------------------|------------------------------------------------------------------------------------------------------|
| Valve duty           | Confirm the rated working pressure, temperature and intended water service for the delivered valve.  |
| Saddle configuration | Confirm main-pipe OD, branch thread, saddle construction and manufacturer installation instructions. |
| System pressure      | Use the lowest allowable rating of the pipe, fitting, valve, saddle and other connected components.  |
| Identification       | Match the order, product markings and supplied manufacturer data before installation.                |



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#### VERIFICATION REQUIREMENTS AND SOURCE RECORD

##### BEFORE INSTALLATION

Confirm the delivered series and product markings against the order. Verify pipe OD, pipe compatibility, thread form, working pressure at service temperature and the manufacturer's installation instructions. A pressure-test value must not be used as a continuous operating rating.

| Field                   | Status in this reference                                                                                                                                         |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Pressure classes        | Reference graphic gives 16 bar for 20-63 mm and 10 bar for 75-110 mm at 20°C. Conflicting public listing text remains unresolved.                                |
| Temperature derating    | Required as temperature increases; no numerical derating schedule verified for supplied stock.                                                                   |
| Dimensions and mass     | Withheld pending exact product revision. Nominal connection sizes are listed.                                                                                    |
| Standards and approvals | Manufacturer references include UNI9561-2, DIN8076 and ISO14236. No verified product compliance, potable-water approval or independent certification is claimed. |
| Stock availability      | Listed range only. Confirm current availability with Waverley Plastics.                                                                                          |

##### DOCUMENT LIMITATIONS

This sheet reproduces manufacturer catalogue references alongside the Waverley listed range. It does not confirm every historical stock batch, constitute independent certification or replace the manufacturer's current installation instructions. Confirm suitability for the intended application.