

 **PLASSON**<sup>®</sup>

# Plasson Series 1

The New Compact Fitting



Technical Catalogue

**2014**

Global Presence - Local Commitment

 **PLASSON**<sup>®</sup>



**Plasson Series 1** - The new range of innovative fittings created by Plasson, market leader in design and manufacture of reliable fittings for polyethylene pipe systems.

**Plasson Series 1** - Fittings provide dedicated solutions for connecting PE pipe to various other pipe materials, such as Copper, Polybutylene, PVC and PEX.

**Plasson Series 1** - Push fittings are designed to withstand 16 bar pressure rating. Inserting the pipe up to the fitting stop creates both the seal and the grip on the pipe.

**Plasson Series 1** - Compact and attractive design makes this fitting ideal for the plumbing market, where space is limited and appearance is crucial. Simplicity of assembly makes both the professional and occasional user's job easier while retaining the Plasson reliability.

The combination of Plasson's current fitting range and the new Series 1 fulfill the requirements of all markets for PE pipe connections and connections to other pipe materials.

#### **Plasson Series 1 features and benefits include:**

- Aesthetically designed product - gives a professional finish to the job
- Assembly tools not required - simple push fit assembly
- Compact size - can be assembled in confined spaces
- Instant seal and integrity of joint - captive seal and no nuts to tighten
- Full end load performance - no need to restrain joints
- Transition from PE to internal plumbing systems - Copper, PB, PVC and PEX accommodated in one fitting
- 50 year design life - provides total reliability
- Tamper resistant design - ensures system integrity
- Reduced stock shelf space

## Technical Specifications

### Materials

#### Compression Fittings

**Body:** Polypropylene, high grade copolymer

**Nut:** High Grade Polypropylene

**Split Ring and Grip Ring:** Acetal (POM)

**Liner:** Acetal (POM)

**Seal:** Nitrile rubber (NBR)

**Reinforcing Ring:** Stainless steel on all female offtakes from 1¼" up to 2"

#### Threaded Fittings

**Body:** Polypropylene, high grade copolymer

**Reinforcing Ring:** Stainless steel

**Brass Threads:** CW617

### Operating Temperatures

The fittings are not to be used with hot water, although they withstand the same temperature as the polyethylene pipe itself.

The fittings will withstand sub-zero temperatures.

### Chemical Resistance

Plasson fittings are supplied, as standard, with polyacetal split and grip rings and NBR seals which are suitable for water.

### Operating Pressures and Quality Certificates

Plasson fittings sizes 20-63 are tested and approved according to ISO 14236 to PN16.

### Threads

All threads conform to ISO - 7/1, BS 21, DIN 2999, NEN 3258, AS 1722 Part 1.

All external threads are tapered.

All internal threads are parallel.

### Legend

UB	Units per bag
UC	Units per carton
W	Weight in grams

### Note

Before installation, ensure that the end of the pipe to be inserted into the fitting is free of scratches and other imperfections and that both the pipe and the fitting itself are free of sand, mud, stones, etc. If fittings are reused, ensure that split ring and grip ring teeth are sharp and bite into the pipe, to avoid pullouts. If uncertain, replace the split ring and grip ring.

**Note:** We strongly recommend the use of PTFE tape in threaded connections.

For diameters 40mm and above, chamfering and lubrication of the pipe end will ease insertion (use silicone lubricant).

