



Fittings for plastic pipes

Description

The compression fittings for plastic or multilayer pipes can be used in plumbing systems.

Versions, product codes and technical data





NB:
refer to the current Price List Catalogue for any version and/or code variations.

Series	Product code	Size	Type of fitting and technical data	Picture
R187M	R187MX048	1/2" x (16 x 2)	Straight threaded male fitting for plastic or multilayer pipes. In brass (chrome-plated). Compliant with Standard EN 1254-3. Black O-ring compliant with Standard EN 681-1, for plumbing systems. Temperature range: 5÷110 °C Max. working pressure 10 bar	
	R187MX046	1/2" x (16 x 2,2)		
	R187MX057	1/2" x (18 x 2)		
	R187MX062	1/2" x (20 x 2)		
	R187MX061	1/2" x (20 x 2,5)		
	R187MX082	3/4" x (16 x 2)		
	R187MX089	3/4" x (18 x 2)		
	R187MX096	3/4" x (20 x 2)		
	R187MX105	3/4" x (26 x 3)		
	R187MX115	1" x (26 x 3)		
	R187MX126	1" x (32 x 3)		
R187MX130	1 1/4" x (32 x 3)			
R187F	R187FX048	1/2" x (16 x 2)	Straight threaded female fitting for plastic or multilayer pipes. In brass (chrome-plated). Compliant with Standard EN 1254-3. Black O-ring compliant with Standard EN 681-1, for plumbing systems. Temperature range: 5÷110 °C Max. working pressure 10 bar	
	R187FX046	1/2" x (16 x 2,2)		
	R187FX052	1/2" x (18 x 2)		
	R187FX062	1/2" x (20 x 2)		
	R187FX061	1/2" x (20 x 2,5)		
	R187FX082	3/4" x (16 x 2)		
	R187FX092	3/4" x (18 x 2)		
	R187FX096	3/4" x (20 x 2)		
	R187FX105	3/4" x (26 x 3)		
	R187FX115	1" x (26 x 3)		
	R187FX126	1" x (32 x 3)		
R560AM	R560MX048	(16 x 2) x (16 x 2)	Straight fitting for plastic or multilayer pipes. In brass (chrome-plated). Compliant with Standard EN 1254-3. Black O-ring compliant with Standard EN 681-1, for plumbing systems. Temperature range: 5÷110 °C Max. working pressure 10 bar	
	R560MX052	(18 x 2) x (18 x 2)		
	R560MX057	(20 x 2) x (20 x 2)		
	R560MX062	(26 x 3) x (26 x 3)		
	R560MX126	(32 x 3) x (32 x 3)		



Series	Product code	Size	Type of fitting and technical data	Picture
R561AM	R561MX048	(16 x 2) x (16 x 2)	90° curved fitting for plastic or multilayer pipes. In brass (chrome-plated). Compliant with Standard EN 1254-3. Black O-ring compliant with Standard EN 681-1, for plumbing systems. Temperature range: 5÷110 °C Max. working pressure 10 bar	
	R561MX052	(18 x 2) x (18 x 2)		
	R561MX057	(20 x 2) x (20 x 2)		
	R561MX062	(26 x 3) x (26 x 3)		
	R561MX126	(32 x 3) x (32 x 3)		
R562AM	R562MX048	1/2" x (16 x 2)	90° curved threaded male fitting for plastic or multilayer pipes. In brass (chrome-plated). Compliant with Standard EN 1254-3. Black O-ring compliant with Standard EN 681-1, for plumbing systems. Temperature range: 5÷110 °C Max. working pressure 10 bar	
	R562MX052	1/2" x (18 x 2)		
	R562MX057	1/2" x (20 x 2)		
	R562MX060	3/4" x (16 x 2)		
	R562MX061	3/4" x (20 x 2)		
	R562MX062	3/4" x (26 x 3)		
	R562MX120	1" x (26 x 3)		
R562MX126	1" x (32 x 3)			
R563AM	R563MX048	1/2" x (16 x 2)	90° curved threaded female fitting for plastic or multilayer pipes. In brass (chrome-plated). Compliant with Standard EN 1254-3. Black O-ring compliant with Standard EN 681-1, for plumbing systems. Temperature range: 5÷110 °C Max. working pressure 10 bar	
	R563MX052	1/2" x (18 x 2)		
	R563MX057	1/2" x (20 x 2)		
	R563MX060	3/4" x (16 x 2)		
	R563MX063	3/4" x (18 x 2)		
	R563MX061	3/4" x (20 x 2)		
	R563MX062	3/4" x (26 x 3)		
	R563MX120	1" x (26 x 3)		
R563MX126	1" x (32 x 3)			
R564AM	R564MX048	(16 x 2) x (16 x 2) x (16 x 2)	T-fitting with adaptors for plastic or multilayer pipes. In brass (chrome-plated). Compliant with Standard EN 1254-3. Black O-ring compliant with Standard EN 681-1, for plumbing systems. Temperature range: 5÷110 °C Max. working pressure 10 bar	
	R564MX052	(18 x 2) x (18 x 2) x (18 x 2)		
	R564MX057	(20 x 2) x (20 x 2) x (20 x 2)		
	R564MX062	(26 x 3) x (26 x 3) x (26 x 3)		
	R564MX126	(32 x 3) x (32 x 3) x (32 x 3)		
R565AM	R565MX045	(20 x 2) x (16 x 2) x (16 x 2)	T-fitting with differentiated measurements for plastic or multilayer pipes. In brass (chrome-plated). Compliant with Standard EN 1254-3. Black O-ring compliant with Standard EN 681-1, for plumbing systems. Temperature range: 5÷110 °C Max. working pressure 10 bar	
	R565MX055	(20 x 2) x (20 x 2) x (16 x 2)		
	R565MX062	(26 x 3) x (16 x 2) x (26 x 3)		
	R565MX063	(26 x 3) x (20 x 2) x (20 x 2)		
	R565MX066	(26 x 3) x (26 x 3) x (20 x 2)		
	R565MX073	(32 x 3) x (20 x 2) x (32 x 3)		
	R565MX076	(32 x 3) x (26 x 3) x (32 x 3)		
R566AM	R566MX053	(20 x 2) x (16 x 2)	Straight fitting with differentiated measurements for plastic or multilayer pipes. In brass (chrome-plated). Compliant with Standard EN 1254-3. Black O-ring compliant with Standard EN 681-1, for plumbing systems. Temperature range: 5÷110 °C Max. working pressure 10 bar	
	R566MX060	(26 x 3) x (20 x 2)		
	R566MX076	(32 x 3) x (26 x 3)		
R568AM	R568MX048	1/2" x (16 x 2)	Threaded male T-fitting with adaptors for plastic or multilayer pipes. In brass (chrome-plated). Compliant with Standard EN 1254-3. Black O-ring compliant with Standard EN 681-1, for plumbing systems. Temperature range: 5÷110 °C Max. working pressure 10 bar	
	R568MX057	1/2" x (20 x 2)		
	R568MX061	3/4" x (20 x 2)		
	R568MX062	3/4" x (26 x 3)		
	R568MX126	1" x (32 x 3)		



Series	Product code	Size	Type of fitting and technical data	Picture
R569AM	R569MX048	1/2" x (16 x 2)	Threaded female T-fitting with adaptors for plastic or multi-layer pipes. In brass (chrome-plated). Compliant with Standard EN 1254-3. Black O-ring compliant with Standard EN 681-1, for plumbing systems. Temperature range: 5÷110 °C Max. working pressure 10 bar	
	R569MX052	1/2" x (18 x 2)		
	R569MX057	1/2" x (20 x 2)		
	R569MX061	3/4" x (20 x 2)		
	R569MX062	3/4" x (26 x 3)		
	R569MX120	1" x (26 x 3)		
	R569MX126	1" x (32 x 3)		
R572AM	R572MX048	1/2" x (16 x 2)	Threaded female elbow fitting with wall bracket, for plastic or multilayer pipes. In brass (chrome-plated). Compliant with Standard EN 1254-3. Black O-ring compliant with Standard EN 681-1, for plumbing systems. Temperature range: 5÷110 °C Max. working pressure 10 bar	
	R572MX057	1/2" x (20 x 2)		

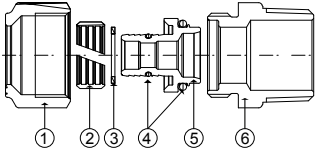
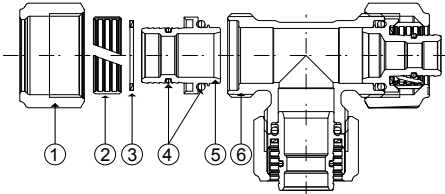
Main features

- Body and nut in stamped brass CW617N - UNI EN 12165.
- Compression fitting in brass CW617N - UNI EN 12168.
- Black O-ring in EPDM, compliant with Standard EN 681-1, for plumbing systems.



Warning.
An excessive tightening torque on the end part of the thermo-hydraulic distribution/regulation system could jeopardise the mechanical and hydraulic behaviour of the fitting.

Components

		Legend	
		1	Nut
	2	Compression fitting	
	3	Insulating barrier	
	4	O-ring seal	
	5	Adaptor	
	6	Body of the fitting	



Installation

- 1) The pipe must be cut perpendicular to its axis (you are advised to rotate the shears slightly while cutting, to facilitate the operation).
- 2) Make sure the hydraulic seal elements are not damaged during installation, as this could jeopardise the effectiveness of the joint:
 - A. deburr the internal pipe surface.
 - B. calibrate the internal pipe surface.
 - C. lubricate the hydraulic seal elements and the internal pipe surface in contact with the internal O-ring.
- 3) Fit the nut and compression fitting on the pipe.
- 4) Assemble the insulating barrier (only in the case of multilayer pipes) and then the pipe on the adaptor pipe-holder, pushing it down as far as it will go.
- 5) House the adaptor in the end part of the thermo-hydraulic distribution/regulation system, using the external O-ring.
- 6) Tighten the nut on the end part of the thermo-hydraulic distribution/regulation system.

**NB:**

in the case of chased fitting installation, avoid any contact between the cement mixture and the metal parts of the component. It is a good idea to make a joint that is accessible for checking purposes - for instance by using a flush-mounting plastic box or at least one that is separated from the structure; this avoids any chemical reaction on the metal surfaces and a concentration of strain due to the thermal dilation.

Guarantee

All the products and components supplied by Giacomini are subjected to numerous checks in order to guarantee the high quality documented by the certification of the quality management system in accordance with UNI EN ISO 9001. All the products and components supplied by Giacomini are subjected to the guarantee and the responsibilities indicated in directives 1994/44/EC, 2001/95/EC, 85/374/EEC, and subsequent modifications and integrations.

The guarantee is not valid in the following cases:

- 1) If the fittings are used to distribute fluids not compatible with the materials.
- 2) If any flaws are visible at the time of installation or during the seal test on the pressurised system.
- 3) If the installation instructions are not fully respected.
- 4) If the pipes connected to the fittings are made of incompatible materials or have incompatible dimensions.
- 5) If the fittings are installed with components not manufactured by Giacomini, the guarantee is limited to the fittings (it does not cover the entire system).

Reference Standards

EN 1254 – 3

Copper and copper alloys - Hydraulic fittings - Fittings for plastic pipes with compression terminals.

Additional information

For additional information please check the website www.giacomini.com or contact the technical service: ☎ +39 0322 923372 📠 +39 0322 923255 ✉ consulenza.prodotti@giacomini.com
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