



**Description**



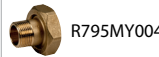
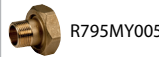
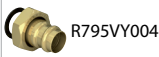
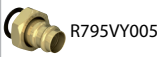




Ball valve (straight or angle) with female-male connections for a nut and tail piece. Specifically designed for domestic gas hydraulic systems. Connection 1/4" F suitable for pressure outlet for verifying the seal in internal gas distribution systems (UNI 7129). Full port.

With reference to the standard UNI 7129-1:2008, the Giacomini ball valve for gas systems must be installed as a starting point and shut-off device, with the possibility to assemble the pressure outlet (P790Y001) with protective cap directly on the shut-off device. This solution allows the seal test to be carried out as specified in UNI 11137-1, and prevents dangerous domestic accidents caused by leakages. The valve can work without the pressure outlet too; it is the installer's responsibility to respect the provisions of the above-mentioned installation standard.

**Versions and product codes**

Series	Product code	Connections	Finishing	Handle type	Handle color	Notes
R790	R790Y004	3/4" F (Rp, EN 10226) x 1 1/4" M (ISO 228)	Brass	T-handle	Yellow	Predisposition for pressure outlet
	R790Y005	1" F (Rp, EN 10226) x 1 1/2" M (ISO 228)	Brass	T-handle	Yellow	Predisposition for pressure outlet
R792	R792Y004	3/4" F (Rp, EN 10226) x 1 1/4" M (ISO 228)	Brass	T-handle	Yellow	Predisposition for pressure outlet
	R792Y005	1" F (Rp, EN 10226) x 1 1/2" M (ISO 228)	Brass	T-handle	Yellow	Predisposition for pressure outlet

**Optional codes**

Valve	Optional	Valve	Optional
R790Y004 R792Y004	 R795FY004	R790Y005 R792Y005	 R795FY005
	 R795MY004		 R795MY005
	 R795VY004		 R795VY005
	 P790Y001		 P790Y001
	 P790Y002		 P790Y002

**Technical data**

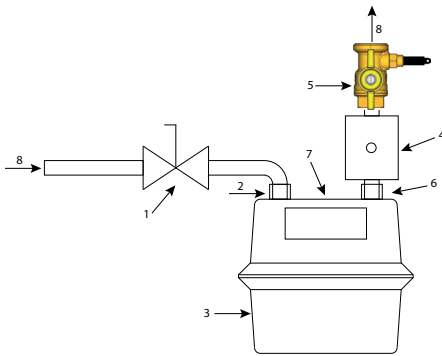
**Main features and materials**

- Specifically designed for domestic gas systems and similar mains systems
- Full port
- Valve made of UNI EN 12165 CW617N brass
- Stem with double O-Ring
- Nut with anti-corrosion coating, with guarantee seal and hologram
- Aluminium T-handle, yellow painted
- Connection 1/4" F suitable for pressure outlet for verifying the seal in internal gas distribution systems (UNI 7129)

**Field of applications**

- Temperature range: -20÷60 °C
- Max. operating pressure (MOP) with gas: 0,5 MPa (5 bar)

**Layout of measurement group and connection to the gas system linked to the mains distribution**



**Legend**

1	Shut-off device before the meter (generally the responsibility of the distributor)
2	Inlet shank
3	Meter
4	A possible meter pressure outlet; this may be included in the shut-off device (1), or directly on the fixing bracket or outlet shank
5	Ball valve R790, used as a starting point and shut-off device
6	Outlet shank
7	Fixing bracket
8	Gas

**Nota.**

The seal test is regulated by standard UNI 11137-1, which gives the guidelines for verifying and restoring system seal, the seal requisites, the acceptability threshold for any possible gas dispersion, the circumstances necessitating a seal test, the criteria for determining the dispersion value and considering a system suitable or unsuitable, and the seal restoral methods.

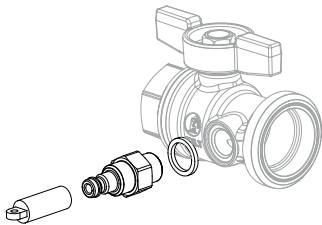
**Optionals**

**Pressure outlet P790-1**



The pressure outlet P790Y001 with protective cap must be assembled on the Giacomini ball valve for gas systems which, with reference to standard UNI 7129-1:2008, must be installed as the starting point and shut-off device.

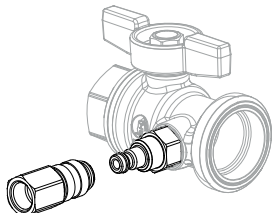
The pressure outlet allows the seal test to be carried out as specified in UNI 11137-1, and prevents dangerous domestic accidents caused by leakages.



**Adaptor for pressure outlet P790-2**



The adaptor P790Y002 for connecting to the test tool must be used when the pressure outlet is not compatible with the test tool itself.



**Installing the pressure outlet**



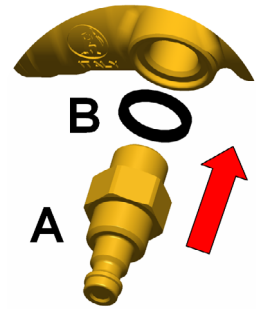
**Warning.**

The installation must be carried out by qualified personnel.

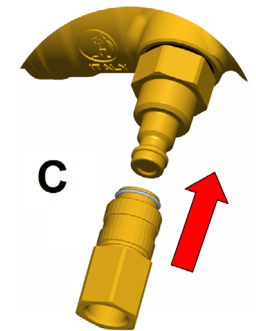
Pay special attention to:

- avoid mechanical stress on the pressure outlet **A**, protective cap **D** and adaptor **C**.
- make sure the components are clean before and after using them, especially the pressure outlet **A**.
- respect standard UNI 11137-1 with regards checking and restoring the system seal.

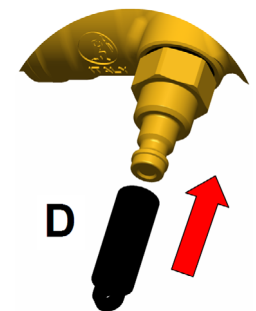
Tighten the pressure outlet **A** on the valve body, using a 17 mm hexagon wrench and making sure the gasket **B** is correctly positioned in its seat. Close the ball valve, making sure the meter is not subjected to any strain, then carry out the seal test with the aid of a suitable test tool. The seal test is regulated by standard UNI 11137-1, which gives the guidelines for verifying and restoring system seal, the seal requisites, the acceptability threshold for any possible gas dispersion, the circumstances necessitating a seal test, the criteria for determining the dispersion value and considering a system suitable or unsuitable, and the seal restoral methods.



If the test tool is not compatible with the pressure outlet **A**, use the adaptor P790Y002 with a 1/4" F thread (to be purchased separately). Between the adaptor and the pressure outlet there is a bayonet connection. The adaptor is connected to the test point by pushing it horizontally until you hear a "click". Remove it by pulling the knurled ring nut from the opposite side.



At the end of the test, after disconnecting the test tool, protect the pressure outlet with the cap **D** with fixing slot, which you will find in the package.



**Warning.**

The installer is responsible for protecting the pressure outlet and its cap from any mechanical strain that could jeopardise its good functioning and the restoral of the seal at the end of the test (also in the case of forcing or tampering).



**Dimensions**

R790		R792		R795F - optional											
P790Y001 - optional		P790Y002 - optional		R795V - optional											
Product code	DN	Rp	A [mm]	I [mm]	B [mm]	J [mm]	C [mm]	H [mm]	P [mm]	G	H' [mm]	H'' [mm]	R	V	L [mm]
R790Y004	20	3/4"	78	44	64	21	73	32	73	1 1/4"	-	-	-	-	-
R790Y005	25	1"	90	49	73	24	73	40	76	1 1/2"	-	-	-	-	-
R792Y004	20	3/4"	68	31	82	38	73	32	77	1 1/4"	-	-	-	-	-
R792Y005	25	1"	79	35	90	42	73	40	81	1 1/2"	-	-	-	-	-
R795FY004		Rp 3/4"	-	-	-	-	-	-	-	G 1 1/4"	46	32	-	-	22
R795FY005		Rp 1"	-	-	-	-	-	-	-	G 1 1/2"	53	38	-	-	22
R795MY004		-	-	-	-	-	-	-	-	G 1 1/4"	46	-	R 3/4"	-	33
R795MY005		-	-	-	-	-	-	-	-	G 1 1/2"	53	-	R 1"	-	36
R795VY004		-	-	-	-	-	-	-	-	G 1 1/4"	46	-	-	-	44
R795VY005		-	-	-	-	-	-	-	-	G 1 1/2"	53	-	-	-	44



**Warning.**

The shut-off device (the starting point) must only be manoeuvred by the user concerned (ref. UNI 7129-1:2008), for instance in a niche where access is protected by a lock or padlock.



## Product specifications

### R790

Straight ball valve with female-male connections for a nut or tail piece. Made of UNI EN 12165 CW617N brass. Specifically designed for domestic gas systems and similar mains systems. Full port. Aluminium T-handle, yellow painted. Stem with double O-ring. Nut with anti-corrosion coating, with guarantee seal and hologram. Connection 1/4" F suitable for pressure outlet for verifying the seal in internal gas distribution systems (UNI 7129). Maximum operating pressure (MOP) with gas: 0,5 MPa (5 bar). Temperature range -20÷60 °C.

### R792

Angled ball valve with female-male connections for a nut or tail piece. Made of UNI EN 12165 CW617N brass. Specifically designed for domestic gas systems and similar mains systems. Full port. Aluminium T-handle, yellow painted. Stem with double O-ring. Nut with anti-corrosion coating, with guarantee seal and hologram. Connection 1/4" F suitable for pressure outlet for verifying the seal in internal gas distribution systems (UNI 7129). Maximum operating pressure (MOP) with gas: 0,5 MPa (5 bar). Temperature range -20÷60 °C.

### P790-1

Pressure outlet with quick connection for verifying the seal in internal gas distribution systems. With seal gasket and rubber protection. For R790 and R792 ball valves.

### P790-2

Adaptor for pressure outlet, with threaded female outlet.

### R795M

Threaded male tail piece with nut and seal gasket, made of brass, to complete ball valves of R790, R790B, R792, R792B series.

### R795F

Threaded female tail piece with nut and seal gasket, made of brass, to complete ball valves of R790, R790B, R792, R792B series.

### R795V

Pressure tail piece with nut and seal gasket, made of brass, to complete ball valves of R790, R790B, R792, R792B series.

#### Additional information

For more information, go to [www.giacomini.com](http://www.giacomini.com) or contact our technical assistance service: ☎ +39 0322 923372 📠 +39 0322 923255 ✉ [consulenza.prodotti@giacomini.com](mailto:consulenza.prodotti@giacomini.com)

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