



MODULAR MANIFOLD

Fixed 1/4 turn modular collector for centralized plumbing installations.

- Quick assembly thanks to "CLICK CLACK" system
- 100% verified on the run.
- Double O-ring ensures external watertightness.
- Robust construction in a single body for safe installation.



TECHNICAL DATA SHEET MODULAR MANIFOLD

PRODUCT DESCRIPTION

Modular manifolds with spherical plug valve and manual operation for centralized plumbing installations. The outlet connection of each module is available for multilayer tube or threaded joint.

The VITAQ system allows to extend the life of the collector and the flow comfort in areas with hard water.

PRODUCT SCOPE

Designed for drinking water and domestic hot water installations, allowing the water supply to be individually cut off to different consumption points.

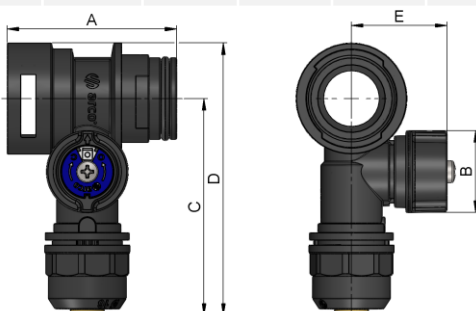
As it is a modular system, it allows the number and type of collectors to be configured according to the installation needs.

It is recommended not to chain more than 8 modules on the same line so as not to cause a significant pressure difference, in case of simultaneities greater than 5 services.

OVERALL DIMENSIONS, PRESSURE AND TEMPERATURE

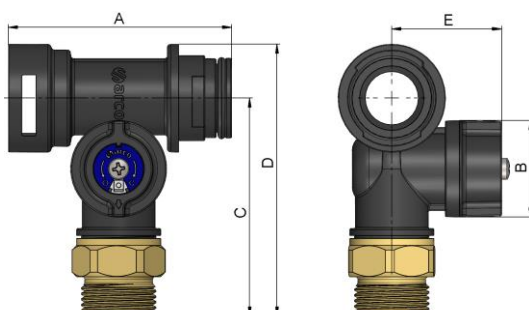
MULTI-LAYER QUICK CONNECT CORE MODULE

Code	Size	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	PN (bar)	Temp Range. (°C)*
40100	16 X 2,0	58	28	74	93	33	10	0 to 85



CENTRAL MODULE MALE THREAD CONNECTION

Code	Size	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	PN (bar)	Temp Range. (°C)*
40105	1/2M	58	28	72	91	33	10	0 to 85
40115	3/4M	79	34	77	96	39	10	0 to 85



* Freezing is excluded



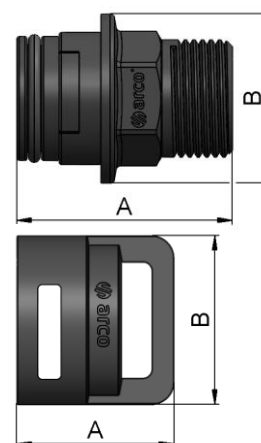
3/4M ADAPTER KIT + FEMALE END CAP

3/4M thread adapter with Male connection to the central module

Code	Size	A (mm)	B (mm)	PN (bar)	Temp Range (°C)*
40135	3/4M	49	38	10	0 to 85

End Cap with Female Connection to the Central Module

Code	Size	A (mm)	B (mm)	PN (bar)	Temp Range (°C)*
40135	Quick Connect Female	35	38	10	0 to 85



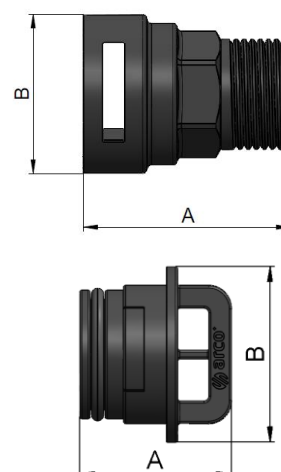
3/4M ADAPTER KIT + MALE END CAP

3/4M thread adapter with Female connection to the central module

Code	Size	A (mm)	B (mm)	PN (bar)	Temp Range (°C)*
40137	3/4M	49	38	10	0 to 85

End Cap with Male Connection to the Central Module

Code	Size	A (mm)	B (mm)	PN (bar)	Temp Range (°C)*
40137	C.R H X 3/4M – plug M	33	38	10	0 to 85



3/4M VALVE KIT + FEMALE END CAP

3/4M threaded valve with Male connection to the central module

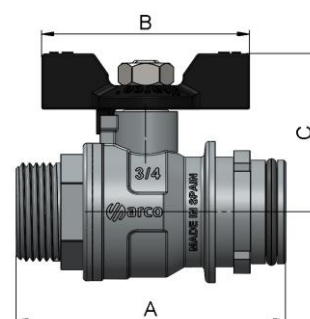
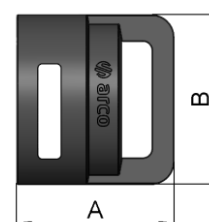
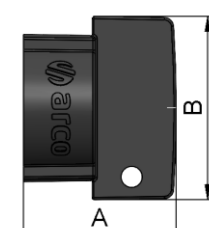
Code	Size	A (mm)	B (mm)	C (mm)	PN (bar)	Temp Range (°C)*
40130	3/4M	73	56	43	10	0 to 85

Tapón Final con conexión Hembra al módulo central

Code	Size	A (mm)	B (mm)	PN (bar)	Temp Range (°C)*
40130	3/4M – C.R M	35	38	10	0 to 85

Adapter for circular control of the central module – Maneuver facilitator

Code	Size	A (mm)	B (mm)	PN (bar)	Temp Range (°C)*
40130	---	33	40	---	---

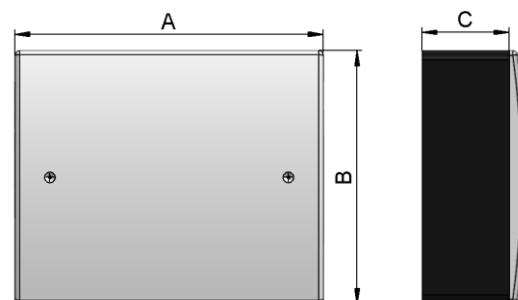


* Freezing is excluded



PLASTIC CABINET

Code	A (mm)	B (mm)	C (mm)	Number of modules 16X2 o 1/2M (*)
38510	320	265	80	2/3
38520	400	265	80	4/5
38530	500	265	80	6/7
38540	600	310	80	8/9

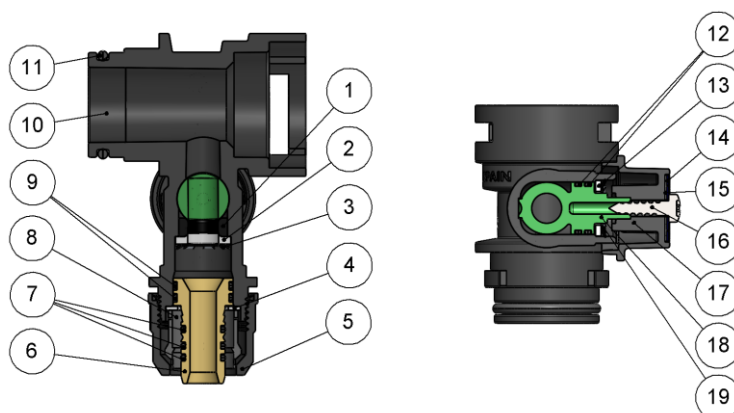


(*) This number is a recommendation and may be different depending on the elements connecting to the network or the distribution of the pipes themselves.

MATERIALS

Model 40100

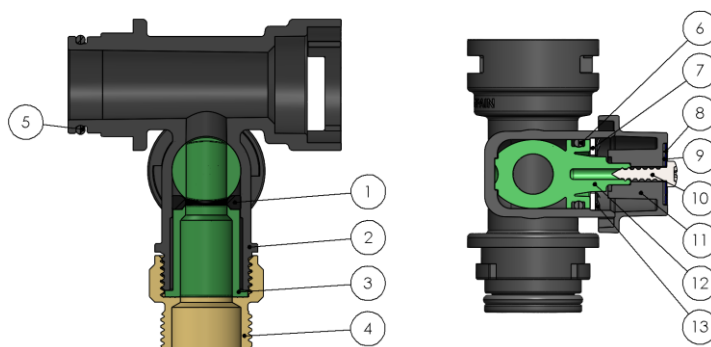
Item	Component	Material	Finishing
1	Seat	NBR	-
2	Supporting clip	POM	-
3	Seat clamp	Stainless steel	Stainless steel
4	Washer	PA	-
5	Nut	PA	Black
6	Mouthpiece	Brass CW617N	Brass color
7	O-ring	EPDM	-
8	Bicone	PPSU	-
9	O-ring	EPDM	-
10	Body	PA	Black
11	O-ring	EPDM	-
12	O-ring	EPDM	-
13	Stem retainer	POM	-
14	Indicator Disc1	Aluminium	Red / Blue
15	Indicator Disc2	Aluminium	-
16	Screw	Stainless steel	Stainless steel
17	Handle	PA	Black
18	Stem-ball	Anti-lime polymer	VITAQ
19	Shaft clamping clamp	Stainless steel	Stainless steel





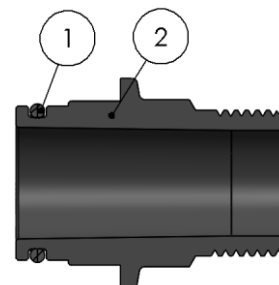
Models 40105 y 40115

Item	Component	Material	Finishing
1	Seat	NBR	-
2	Body	PA	Black
3	Seat retainer	Anti-lime polymer	VITAQ
4	Connector	Brass CW617N	Brass color
5	O-ring	EPDM	-
6	O-ring	EPDM	-
7	Supporting clip	POM	
8	Indicator Plate 1	Aluminium	Red / Blue
9	Indicator Plate 2	Aluminium	-
10	Screw	Stainless steel	Stainless steel
11	Handle	PA	Black
12	Stem-ball	Polímero antical	VITAQ
13	Shaft clamping clamp	Stainless steel	Stainless steel

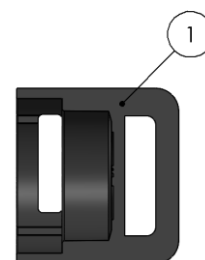


Modelo 40135

Item	Component	Material	Finishing
1	Joint	EPDM	-
2	Connector	PA	Black

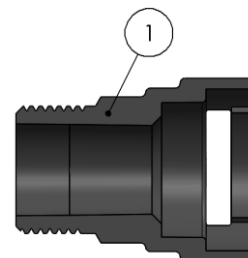


Item	Component	Material	Finishing
1	Plug	PA	Black

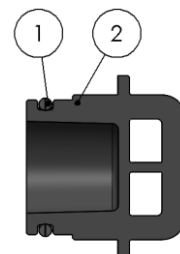



Modelo 40137

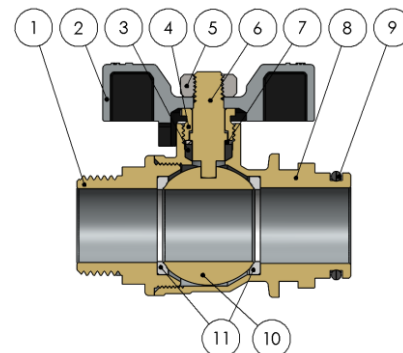
Item	Component	Material	Finishing
1	Connector	PA	Black



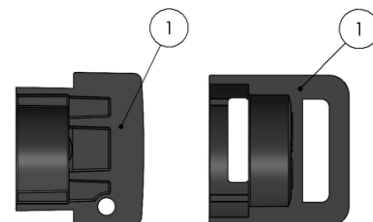
Item	Component	Material	Finishing
1	Joint	EPDM	-
2	Plug	PA	Black


Modelo 40130

Item	Component	Material	Finishing
1	Lateral	Latón CW617N	Chrome
2	Handle	ZAMAK	Black EPOXY
3	Gland	PTFE	-
4	Press nut	Brass CW617N	Chrome
5	Nut	Acero	Geomet® 500
6	Stem	Brass CW617N	Zinc plated
7	Washer	Brass CW617N	Brass color
8	Body	Brass CW617N	Chrome
9	O-ring	EPDM	-
10	Ball	Brass CW617N	Chrome
11	Seat	PTFE	-



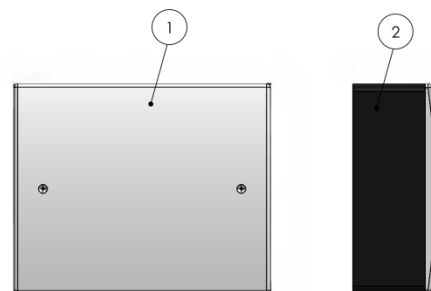
Item	Component	Material	Finishing
1	Useful drive	PA	Black





Models 38510, 38520, 38530 y 38540

Item	Component	Material	Finishing
1	Cover	PA	White
2	Box	PA	Black



MODULE ASSEMBLY

The CLICK CLACK quick connect system eliminates the use of tools for the assembly of the different modules that make up the system. Their assembly is very simple, it is only necessary to fit them into each other, position them and lock the joint by means of the locking locks. This union is done quickly, without the use of connection sealing materials such as PTFE tape or others.

The assembly process is as shown in the following images.



1. Orientate



2. Fit



3. Turn 90°



4. Lock Junction with Blue or Red Block Insurance

LOCKOUT LOCKS

Each core module is supplied with 2 locking locks (blue and red) to prevent movement between modules or other elements of the system once assembled.

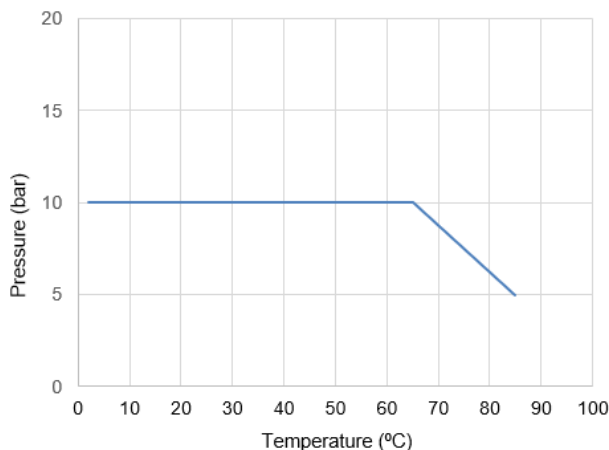
Incorporated in blue and red, they allow the identification of collectors that conduct cold water or hot water.





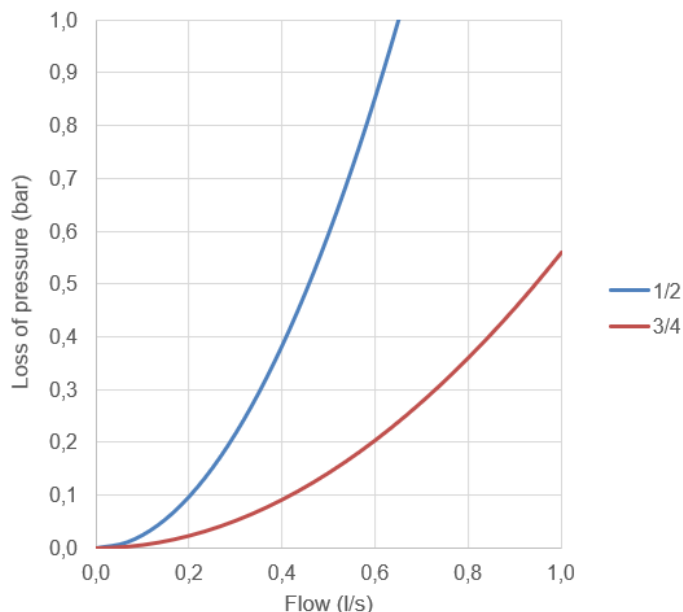
TECHNICAL DATA

Pressure vs temperature



Freezing is excluded

Hydraulic Features. Flow vs Loss of Pressure



Compatibility with fluids

Fluid	Compatibility
Drinking water and domestic hot water	Excellent

Other fluids, please contact our technical service.

Size	1/2	3/4
Kv	2,3	4,8

Kv (m³/h), cubic meters per hour that pass through the valve generating a pressure loss of 1 bar of pressure.

INSTALLATION INSTRUCTIONS

In addition to the assembly instructions for the collectors and their locking system given in this document, it is essential before taking any action, to cut off the water supply in the installation, make sure that there is no dirt or foreign element in the connection to the network. Restore the water supply and check the tightness of all connections before leaving the collector in service.

You should not disturb the assembly of the collector components, replacing or disassembling the control may cause external leakage.

Quarter-turn manifolds must always work completely open.



All product have an environmental impact during its life cycle, even after it has been removed from use. All components of this product can be recycled, deposit the valve at a recycling point or green point once it is finished use. Valves Arco reserves the right to change the product or its technical specifications without prior notice.

FT30010ESP – Edition 2024-12