



GIACOMINI ...dal 1951...



*R585M - single manifold
for sanitary systems*



R585M Single manifold for sanitary systems

The R585M single manifold has been specifically developed for use with sanitary distribution systems providing flexibility and ease of assembly but still taking into account aesthetics and manoeuvrability. This new development of the single manifold allows the installation of multiple connections to suit individual needs of installation requirements, and reduces the number of fixed outlet

manifolds needed in stock to cover all types of installations. For ease of access and control the handwheel is fitted to the front of the manifold and can be used to open, partially adjust and fully close the supply. The shape and dimensions are compatible with the same supports and cabinets used for the existing Giacomini manifold range

Use

The R585M single hot pressed brass manifold provides high mechanical features with small dimensions and high flow rates. Connection is made by hand without using sealing materials. In fact the tightness of this manifold range is guaranteed by the use of o-rings. Male and female connections of the manifolds have fine threads, thus allowing a precise and safe assembly to be made without using keys, pipe wrench or levers. Connection of the R585M single manifold to the components (valves, plugs, pipes, etc.) is made by using the compatible R585T adaptors. With the use of these fittings it is possible to change

from the fine thread of the single manifolds into the 3/4" and 1" standard gas threads. The R585T fittings have hexagon ends to allow them to be tightened with the use of a spanner. The connection of the outlet pipe has been made to suit the standard Giacomini adaptors having 16 base such as R178 for copper, R179 for PEX and PB, R179AM for multilayer pipes. Identification of the circuits connected to the single manifolds is made by using R523 labels which can be stuck on the front part of the hand control.

Features

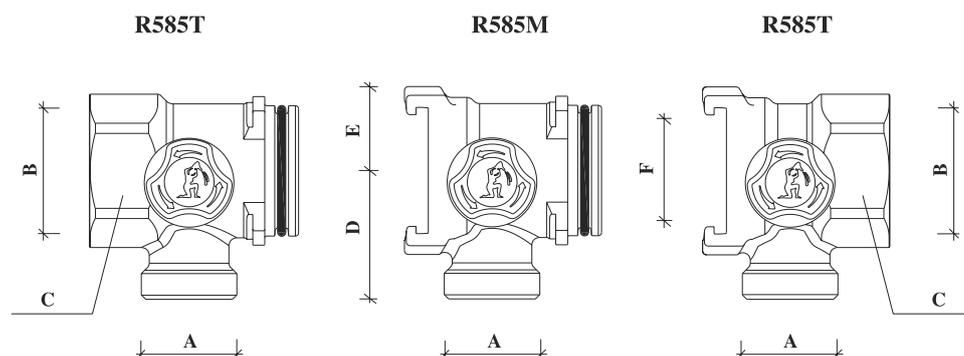
Max. working temperature 90°C
Max. working pressure 1 MPa
Suitable for use with hot and cold sanitary water distribution systems
Hot pressed body
Nickel plated surface

Hand control made of synthetic material with high resistance
EP rings
Available in DN20 (3/4") and DN25 (1") sizes
35 mm interaxis for assembled single

Technical data



Dimensions



	A	B	C	D	E	F
R585MX105	16	-	-	32	21	DN25
R585TX104	16	3/4"	○ 31	32	21	DN25
R585TX105	16	1"	○ 39	32	21	DN25



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In order to install the required number of manifolds, simply join the R585M single manifolds together by hand. Assembly is very easy and it does not require the use of other tools. However it is necessary to check that the manifold threads are clean and without impurities and lubricate the O-Ring with silicon grease.

In order to prevent damage to the manifolds or o-rings, we recommend that the single manifolds are removed from the packaging one at a time before assembly.

In order to connect the manifolds to the other components, only the Giacomini adapter R585T can be used.

The rapid assembly of single modules is carried out by presenting the male and female of the bayonet fittings with their vertical axes mutually rotated by 90 degrees. The two parts are gently pushed axially together until the seal is engaged in the housing and the shoulders on both parts are touching. One module is then rotated by 90 degrees so that the bayonet fixing engages. The bayonet assembly system does not require the use of tools. Tools must not be used to apply excessive twisting or crushing forces which might damage the manifold and cause a malfunction. A pair of end pieces (R585T) (with threaded connections of the appropriate size), together with a suitable number of intermediate modules (R585M), are used to complete a distribution manifold with the required number of outlets. In order to make a manifold with six outlets you should combine one pair of end modules (R585T) with four intermediate modules (R585M).

The advanced design of the rapid assembly modular manifold system allows a single type of central module (internal bore DN25) to be combined with threaded end modules with alternative thread sizes. This allows the assembly of manifolds suitable for a wide range of applications using the minimum number of components.

Failure to use these articles may damage the fine thread of the manifolds and affect the operation of the unit. We do not recommend the use of any tools to join the single manifolds together as this may cause overtightening and deform the unit.

After having installed the manifolds with the required number of connections, proceed with the assembly of the R584E/F cabinet by using the brackets supplied.

The bracket should be positioned on the cylindrical part of the manifold at the female connection side in order to locate into the cabinet. After having fixed the manifolds and the supply line connections, proceed with the pipe connections to the sanitary accessories, by using adaptors having a 16 base compatible with the pipes. Finally using the R523 label in red and blue identify the different connections.



Assembly



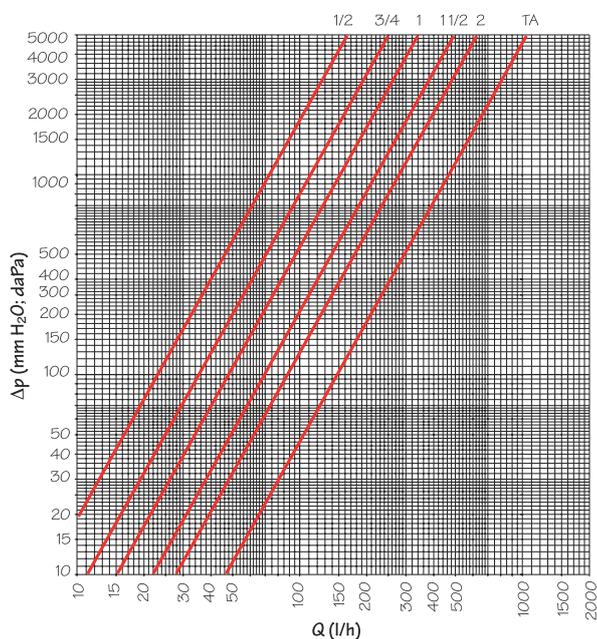
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The following diagrams indicate the pressure loss curves referring to a single manifold when the number of handwheel opening turns are changed.

During normal installations, the assembly of single manifolds in series involves negligible pressure loss increases, therefore always

use the graphs provided irrespective of the number of manifolds added together. The R585M single manifold for sanitary systems has no preferential direction of the water inlet and the pressure losses do not change by supplying the manifolds from male or female connection side.

Pressure loss diagrams



	Kv
1/2	0,23
3/4	0,36
1	0,48
1 1/2	0,68
2	0,87
TA	1,45