



## Modular distribution manifold residential series for closed loop design only

3/4" / DN 20

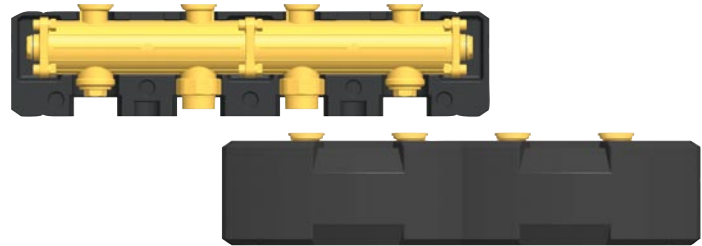
**USE in closed loop design. Modular design distribution manifolds allow parallel connection of multiple Zone Modules in order to customize any installation. Available in 2- to 6-sectional designs, for connection of 2 to 9 heating zones they simplify installation, extremely shorten assembly time, providing cost and time savings. Union connections make mounting of Zone**

**Modules to the manifold fast and easy. Supply and return chambers of the manifold are thermally divided. Add-on manifold module allows trouble-free connection of additional heating circuits to an existing system. No special piping, just 2 connections and your installation is complete.**

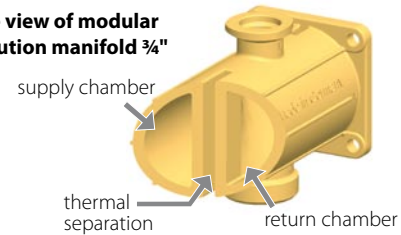
### Your advantages:

**Distribution manifold - 3/4" / DN 20 modular design, with patented thermal separation of the supply and return chambers, for outputs up to 170 MBH / 50 kW (per boiler connection)**

- completely made of brass
- completely pre-assembled
- supply and return chambers thermally separated at 95%
- manifolds are delivered with insulating caps; the insulation for the manifolds is integrated in the zone module insulation
- extremely low resistance, free flow = 1"
- up to six pre-assembled manifold modules available
- multiple boiler connections are possible, for higher outputs



Inside view of modular distribution manifold 3/4"



### TECHNICAL DATA Modular Distribution Manifold DN 20 - 3/4"

Dimension	DN 20 - 3/4"	
<b>Materials</b>	Fittings	Brass
	Gaskets	EPDM / NBR
	Insulation	EPP-shell halves
<b>Technical data</b>	Max. pressure	8 bar / 116 psi
	Max. temperature	110 °C / 230 °F
	CV value	7.8
<b>Connections</b>	<b>For heating modules</b>	3/4" PAW flange for 1" union
	<b>For boilers</b>	3/4" female x 1" male - flat-sealing (bottom) 2 x for boiler connection, rest plugged
	<b>On the side</b>	3/4" female, plugged for safety group and expansion tank
<b>Dimensions</b>	Center distance	90 mm / 3 17/32"
	Installation height	80 mm / 3 5/22"
	Height of insulation	85 mm / 3 11/32"

Width of the distribution manifold incl. insulation see item list below

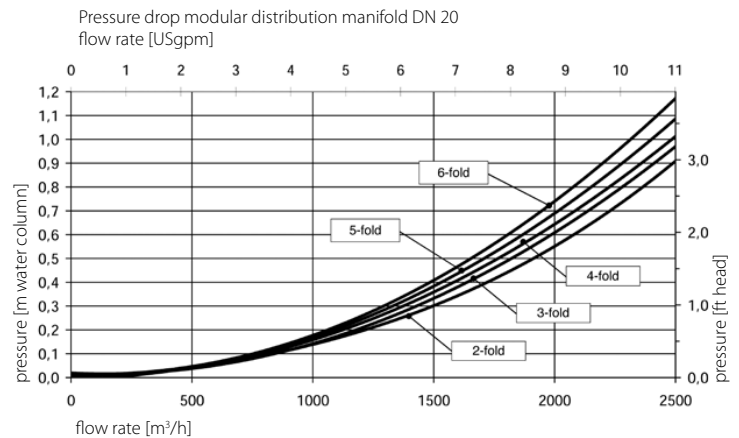
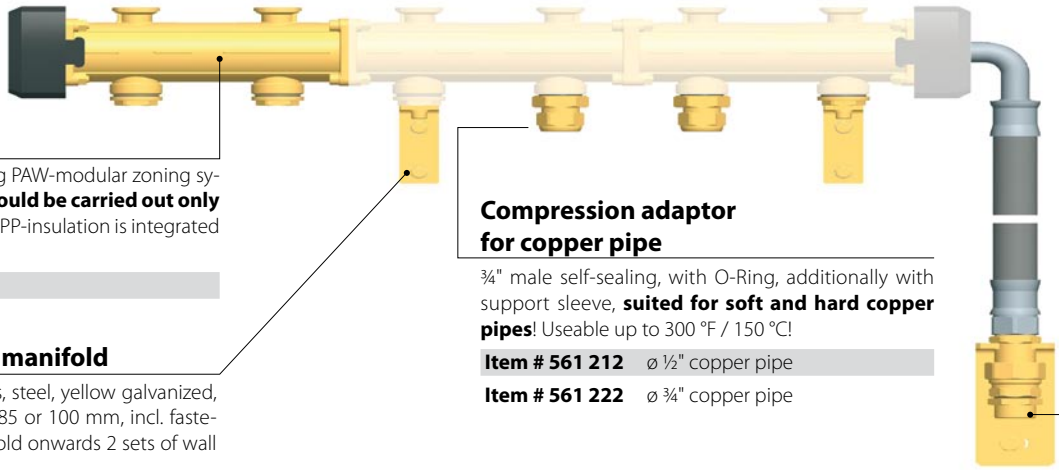


Illustration	DN	Options	Item #
	<b>MV            DN 20            3/4"</b>	<b>MV 2 modular distribution manifold 2-fold            for connection of up to 3 heating circuits</b> Width incl. insulation: L = 440 mm / 17 1/3"	<b>3112 NA</b>
		<b>MV 3 modular distribution manifold 3-fold            for connection of up to 5 heating circuits</b> Width incl. insulation: L = 620 mm / 24 3/8"	<b>3113 NA</b>
		<b>MV 4 modular distribution manifold 4-fold            for connection of up to 7 heating circuits</b> Width incl. insulation: L = 800 mm / 31 1/2"	<b>3114 NA</b>
		<b>MV 5 modular distribution manifold 5-fold            for connection of up to 9 heating circuits</b> Width incl. insulation: L = 980 mm / 38 5/8"	<b>3115 NA</b>
		<b>MV 6 modular distribution manifold 6-fold            for connection of up to 11 heating circuits</b> Width incl. insulation: L = 1.160 mm / 45 1/3"	<b>3116 NA</b>

## Assembly accessories for distribution manifold

3/4" / DN 20



### Extension module

For the extension of existing PAW-modular zoning systems. **The installation should be carried out only by a trained technician!** EPP-insulation is integrated in the heating module.

Item # 3111

### Wall bracket set for manifold

set consisting of 2 brackets, steel, yellow galvanized, for centre distances of 70, 85 or 100 mm, incl. fastening material. From MV 5-fold onwards 2 sets of wall brackets recommended.

Item # 3121

### Compression adaptor for copper pipe

3/4" male self-sealing, with O-Ring, additionally with support sleeve, **suited for soft and hard copper pipes!** Useable up to 300 °F / 150 °C!

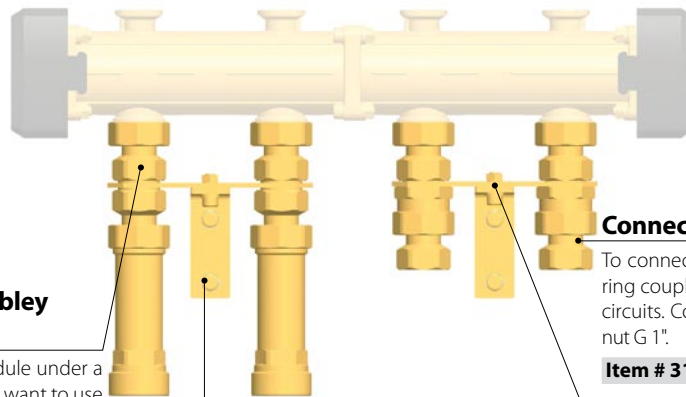
Item # 561 212 ø 1/2" copper pipe

Item # 561 222 ø 3/4" copper pipe

### Connecting set for expansion tank

tank connection coupling 3/4", armored hose 3/4" x 700 mm, **for max. tank-ø = 440 mm.**

Item # 7507



### Coupling for flow down assembly DN 20

for the installation of a heating zone module under a distribution manifold. **Please note:** If you want to use wall brackets, you will need an additional mounting plate for the installation of a 2-fold distribution manifold MV2 (Item # 3125).

Item # 31241

### Connecting set DN 20 - 3/4" female

To connect pipes with male thread or the clamping-ring coupling (see above) under the modular heating circuits. Consisting of: 2 flanged sockets 3/4" female with nut G 1".

Item # 3131

### Mounting plate

flat sealing under a modular manifold, for fixing a wall bracket, one side 1" female (nut), other side 1" male.

Item # 3125

### Wall bracket set for manifold

set consisting of 2 brackets, steel, yellow galvanized, for centre distances of 70, 85 or 100 mm, incl. fastening material. From MDM 5-fold onwards 2 sets of wall brackets recommended.

Item # 3121