PAW GmbH & Co. KG
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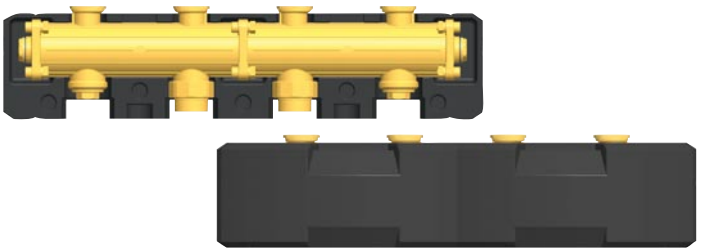
Modular distribution manifold 1 ¼" / DN 32

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 circuits 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 existing system. No special piping, just 2 connections and your installation ist complete.

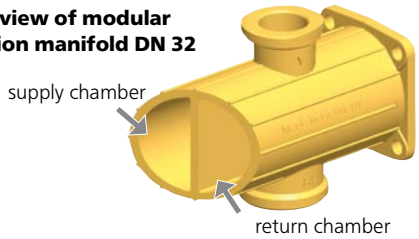
Your advantages:

Heating distribution manifold DN 32
Modular design, for outputs up to 150 kW / 512 MBH per boiler connection

- completely made of brass
- completely pre-assembled
- completely insulated with EPP
- extremely low resistance, free flow diameter = 50 mm = 2"
- up to six pre-assembled manifold modules available
- multiple connection of the boiler possible, for larger power outputs



Inside view of modular distribution manifold DN 32



TECHNICAL DATA Modular distribution manifold DN 32

Dimension		**DN 32 - 1 ¼"**
Materials	Fittings	Brass
	Gaskets	EPDM / NBR
	Insulation	EPP
Technical data	Max. pressure	5 bar / 72.5 psi
	Max. temperature	110 °C / 230 °F
	CV value	20.6
Connections	**For heating circuits**	1 ¼" PAW flange for 2" nut (top)
	For boilers	1 ¼" female x 2" male - flat-sealing (bottom) 2 x for boiler connection, rest plugged
	On the side	1" female, plugged for safety group and expansion tank
Dimensions	Center distance	125 mm / 4 $^{29}/_{32}$"
	Installation height	125 mm / 4 $^{29}/_{32}$"
	Height of insulation	150 mm / 5 $^{29}/_{32}$"

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

Pressure drop modular distribution manifold DN 32
flow rate [USgpm]

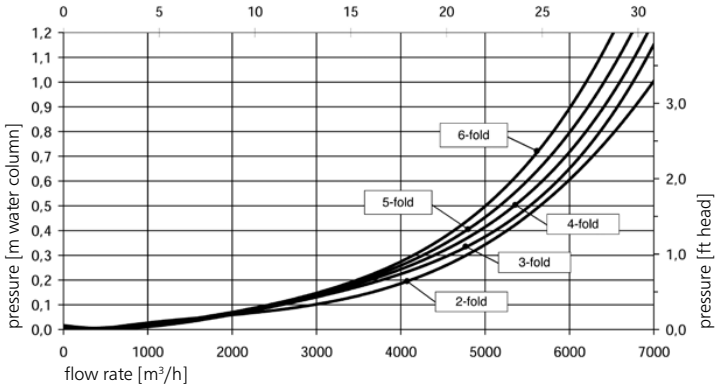
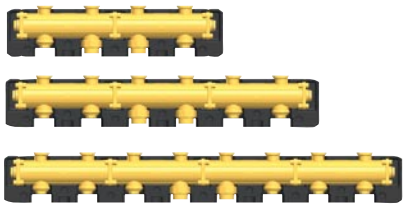


Illustration	DN	Options	Item #
	**MV DN 32 1 ¼"**	**MV 2 modular distribution manifold 2-fold** **for connection of up to 3 heating circuits** Width incl. insulation: L = 600 mm / 23 $^{5}/_{8}$"	**3712 NA**
		MV 3 modular distribution manifold 3-fold **for connection of up to 5 heating circuits** Width incl. insulation: L = 850 mm / 33 $^{15}/_{32}$"	**3713 NA**
		MV 4 modular distribution manifold 4-fold **for connection of up to 7 heating circuits** Width incl. insulation: L = 1.100 mm / 43 $^{5}/_{16}$"	**3714 NA**
		MV 5 modular distribution manifold 5-fold **for connection of up to 9 heating circuits** Width incl. insulation: L = 1.350 mm / 53 $^{5}/_{32}$"	**3715 NA**
		MV 6 modular distribution manifold 6-fold **for connection of up to 11 heating circuits** Width incl. insulation: L = 1.600 mm / 63"	**3716 NA**

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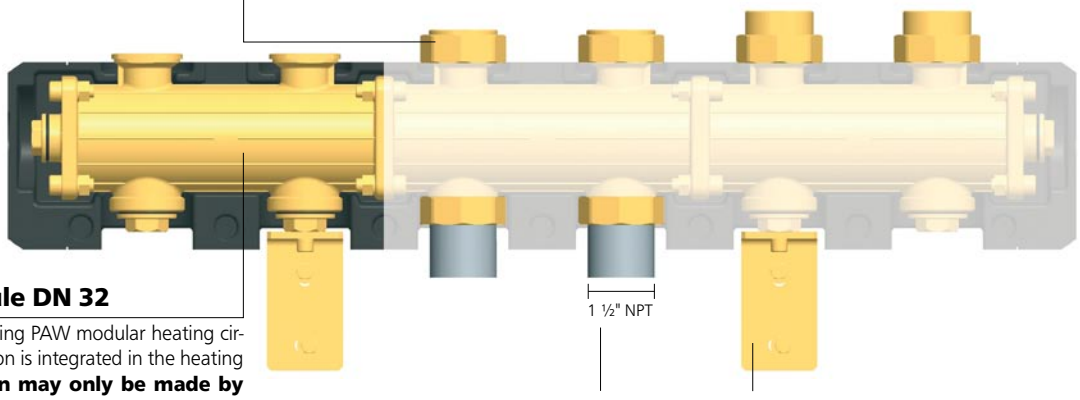
Assembly accessories for the modular distribution manifold 1 ¼" / DN 32

Reducer set

For installing modular heating circuits DN 25 on modular distribution manifold DN 32, adaptor set 2" male, flat-sealing with nut on 1 ½" female flat-sealing, brass on 1 ½" female flat-sealing, brass, with seals. Two types:

Item # 37351 Height 11 mm

Item # 3735 Height 24 mm



Extension module DN 32

For the extension of existing PAW modular heating circuit systems, EPP insulation is integrated in the heating circuit. **The installation may only be made by experts!**

Item # 3711

Screw flange set DN 32 on 1 ½" female

For modular distribution manifold DN 32 and modular heating circuit DN 32, extension of the inlet connection to DN 40-1 ½" female.
Connections: nut 2" female flat-sealing-1 ½" female.

Item # 3734 NA

Wall bracket set

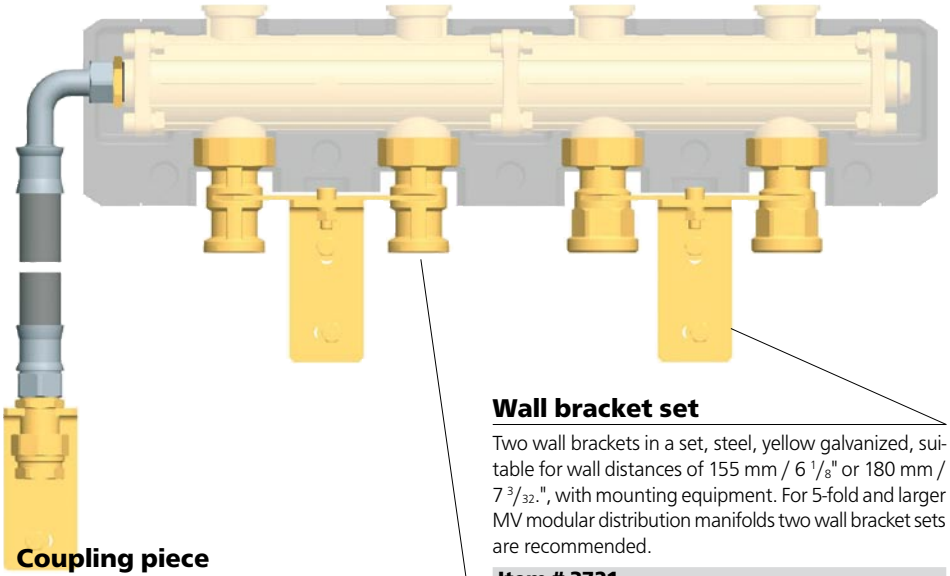
Two wall brackets in a set, steel, yellow galvanized, suitable for wall distances of 100 mm / 3 $^{15}/_{16}$", 155 mm / 6 $^{1}/_{8}$" or 180 mm / 7 $^{3}/_{32}$", with mounting equipment. For 5-fold and larger MV modular distribution manifolds two wall bracket sets are recommended.

Item # 3721

Connection kit for the expansion tank

1" cap valve, armored hose with bend 1" x 700 mm / 27 $^{9}/_{16}$", double nipple 1", with wall bracket.

Item # 7508



Wall bracket set

Two wall brackets in a set, steel, yellow galvanized, suitable for wall distances of 155 mm / 6 $^{1}/_{8}$" or 180 mm / 7 $^{3}/_{32}$.", with mounting equipment. For 5-fold and larger MV modular distribution manifolds two wall bracket sets are recommended.

Item # 3721

Coupling piece for flow down assembly DN 32

For installing a modular heating circuit under a distribution manifold. **Please note:** when using wall brackets an additional mounting plate for installing a MV2 2-fold modular distribution manifold is necessary (see on the right).

Item # 3724

Mounting plate DN 32

For installation under a modular distribution manifold and for attaching wall brackets. Necessary when all lower outlet connections are occupied.

Item # 3725

04/2009