

## MAGRA®-Single chamber heating and cooling water distributors 80/80 to 450/450

pieces

MAGRA single chamber heating and cooling water distributors for outflow and return flow, consisting of: distribution chamber made of steel, 80/80 mm to 450/450 mm. Welded-on extraction connections in threaded or pipe connector design, made of steel pipe with pre-welded flanges to DIN, PN 6, PN 10 or PN 16. The flanges are matched to the same spindle height for fittings of the installation length series F1, F4 or K1 in compliance with DIN 3202 as well as to the brand of fittings and the insulation thickness of the distributor. Draining socket 1/2" (3/4") for distribution chambers. The distributor is pressure tested and primed at the factory.

### Applications:

Distributor size	Outlet dimensions	Water flow rate	Performance at $\Delta t$ 20°
80/80	to DN 50	up to approx. 13 m <sup>3</sup> /h	up to approx. 300 kW
100/100	to DN 80	up to approx. 20 m <sup>3</sup> /h	up to approx. 470 kW
120/120	to DN 80	up to approx. 30 m <sup>3</sup> /h	up to approx. 700 kW
160/160	to DN 125	up to approx. 53 m <sup>3</sup> /h	up to approx. 1230 kW
200/200	to DN 150	up to approx. 83 m <sup>3</sup> /h	up to approx. 1930 kW
250/250	to DN 200	up to approx. 131 m <sup>3</sup> /h	up to approx. 3050 kW
300/300	to DN 250	up to approx. 190 m <sup>3</sup> /h	up to approx. 4420 kW
350/350	to DN 250	up to approx. 259 m <sup>3</sup> /h	up to approx. 6020 kW
400/400	to DN 300	up to approx. 337 m <sup>3</sup> /h	up to approx. 7840 kW
450/450	to DN 350	up to approx. 428 m <sup>3</sup> /h	up to approx. 9950 kW

### Technical data:

Chamber measures	80/80 - 100/100 - 120/120 - 160/160 - 200/200	_____ mm
Distance between connection pipes	250/250 - 300/300 - 350/350 - 400/400 - 450/450	_____ mm
Distributor length		_____ mm
Hot water in circulation		_____ l/h
Maximum system temperatures		_____ °C
Maximum system pressure		_____ bar
Shut-off fittings (specify installation-length series according to DIN 3202 F1, F4 or K1)		_____ Pieces
Number of boiler connections:		_____ Pieces

### Threaded connection pipes

_____ Pieces, _____"	_____ Pieces, _____"	_____ Pieces, _____"
_____ Pieces, _____"	_____ Pieces, _____"	_____ Pieces, _____"
_____ Pieces, _____"	_____ Pieces, _____"	_____ Pieces, _____"

### Flanged connection pipes

_____ Pieces, DN _____ PN _____	_____ Pieces, DN _____ PN _____
_____ Pieces, DN _____ PN _____	_____ Pieces, DN _____ PN _____
_____ Pieces, DN _____ PN _____	_____ Pieces, DN _____ PN _____

Material:

Wage:

pieces

**MAGRA- Wall Consoles 85, Sound Insulated** for protruding distributors (up to size 160/160) consisting of wall plate for screw fastening and snap-action carrier arm. Projection of 160 mm or 220 mm up to the middle of the distributor. Galvanised. Including screws, dowels and washers. **(Use stand console 85 for 160/160 distributors with 100 mm insulation thickness!)**

Material:

Wage:

pieces

or **MAGRA-Stand Consoles 85, Adjustable Height**, for protruding distributor (up to size 160/160) consists of: Floor plate for screw fastening and section steel. Galvanised. Console height infinitely adjustable from 400 mm up to 600 mm, including screws, dowels and washers.

Material:

Wage:

pieces

**MAGRA-Wall Consoles 200, Sound Insulated**, for protruding distributor (for size 200/200) consists of: Wall panels and section steel. Galvanised. Projection 315 mm up to the middle of distributor.

Material:

Wage:

pieces

or **MAGRA-Stand Consoles 200, Sound Insulated**, for protruding distributor (for size 200/200 up to 450/450) consists of: Floor plate for screw fastening and section steel. Galvanised.

Console height infinitely adjustable from 310 mm up to 500 mm, including screws, dowels and washers.

Material:

Wage:

pieces

**MAGRA-Prefabricated Insulation with Aluminium Sheet Jacket and High-resistance PU foam** according to the heating plant regulations for the above distributor, consists of: Aluminium sheet metal jacket and high-resistance PU foam in half-shells (for 80/80 = 35 mm, for 100/100, 120/120 and 160/160 = 40 mm, for 200/200 = 50 mm, for 250/250 = 60 mm thick) up to 100 °C outflow temperature. Front side with lid. With cutouts for distributor connections, drainage and consoles. Including aluminium fastening strips and quick-action screw closures. (Only for distributor size 250/250).

Material:

Wage:

pieces

or **MAGRA-Prefabricated Insulation with Galvanised Sheet Steel Jacket and Mineral Fibre**, according to the heating plant regulations for the above distributor, consists of: Galvanised sheet steel jacket with quick-action closures and mineral fibre 60 mm or 100 mm thick, in the form of half-shells. Front side with lid. With cutouts for the outlet connection pieces, drainage and consoles.

Insulation thickness (60 mm/100 mm) \_\_\_\_\_ mm

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