



[Technical data sheet](#)

GEROtherm® SAVE

SAVE 180 collector/distributor

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| General properties | |
|---|---|
| Collector/distributor design | GEROthem® collector/distributor made of PE100-RC, PN16 for connecting the geothermal probes and feeding to the heat pump. Weld seams made in accordance with DVS. Certified and monitored in accordance with the directive HR3.26 of the Süddeutsches Kunststoffzentrum (SKZ) Würzburg/Germany. SKZ certificate No. A278. Minimal flow resistances. Specially developed for geothermal use. |
| Components | <ul style="list-style-type: none"> ▪ Main body 180 x 24.6 mm S3.2 SDR7.4 PN25 ▪ Flat-sealing ball valves, type GF375 with pipe sockets PE100-RC, PN16 ▪ Balancing valves, inline setter or hyline setter ▪ Optionally with or without filling/drain cock ▪ Breather (G 1/2") ▪ 3 socket Rp½" IT for thermometers, deaerators and left / right use |
| Application | Combination of several geothermal probes for a feed and return line to the heat pump |
| Flow rate range | Maximum 48.4 m³/h (at 1 m/s flow velocity in the main body of the collector/splitter) |
| Main discharge | selectable |
| Connection dimensions: | Dn ø 32mm Dn ø 40mm Dn ø 50mm |
| Balancing valves inline setter | 5–42 l/min; 8–30 l/min; 20–70 l/min (freely selectable) |
| Balancing valves hyline setter | 10–25 l/min; 20–60 l/min (freely selectable) |
| Delivery form | on a wooden pallet. |
| Product standards | SIA 384/6; DVS 2207-1 |
| External monitoring | Süddeutsches Kunststoffzentrum (SKZ), Würzburg/Germany |
| Physical properties | |
| Material (main body) | Polyethylene PE100-RC black |
| Density | 0.95 – 0.97 g / cm³ |
| Pipe roughness | 0.03 mm |
| Mechanical properties | |
| Mean coefficient of linear thermal expansion | 0.18 mm/m*K |
| Thermal properties | |
| Maximum operating temperature (at maximum 3 bar) | + 50°C |
| Minimum operating temperature | -20°C |
| Chemical properties | |
| The HakaGerodur GEROthem® SAVE collectors/distributors are resistant to the common heat transfer media. Refer to the Technical Manual for the suitable heat transfer media. | |