HakaGerodur

Technical data sheet GEROtherm® SAVE

SAVE 97 collector/distributor

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General properties	
Collector/distributor design	GEROtherm® collector/distributor made of PE100-RC, with a silvery surface, PN16 for connecting the geothermal probes and feeding to the heat pump. Weld seams made in accordance with DVS, Certified and monitored by SKZ 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	▪ Main body d97/53 mm ▪ 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 ▪ 1 socket Rp ½" IT bleeder ▪ Discharge with external thread 2" or as PE socket de 63 mm/SDR11
Application	Combination of several geothermal probes for a feed and return line to the heat pump
Flow rate range	Maximum 7.9 m^3/h (at 1 m/s flow velocity in the main body of the collector/splitter)
Main discharge (selectable)	▪ PE socket de 63 mm/SDR11 ▪ External thread 2"
Connection dimensions: Balancing valves inline setter Balancing valves hyline setter	dn ø 32 mm dn ø 40 mm 5–42 l/min; 8–30 l/min; 20–70 l/min (freely selectable) 10–25 l/min; 20–60 l/min (freely selectable)
Delivery form	Up to five connections as a package. From six connections on a wooden pallet.
Product standards	SIA 384/6:2012; SKZ HR3.26
External monitoring	Süddeutsches Kunststoffzentrum (SKZ), Würzburg/Germany
Physical properties	
Material (main body)	Polyethylene PE100-RC black/silver
Density	0.95–0.97 g/cm^3
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 GEROtherm® SAVE collectors/distributors are resistant to the common heat transfer media. Refer to the Technical Manual for the suitable heat transfer media.	