

Overview of water management shafts

Technical data 2025

Overview of geothermal distribution shafts

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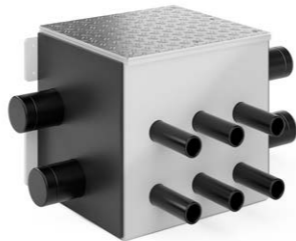

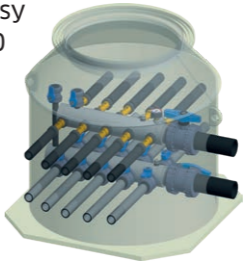

Overview of water management shafts

| Water management | | | | | | | |
|--|---|---|---|---|---|--|---|
| | JANSEN energy conversion shaft | JANSEN water protection shaft | JANSEN pump shaft | JANSEN fitting shaft | JANSEN sludge collector | PE or PP shaft for welded/plugged systems | JANSEN individual production winding tube |
| |  |  |  |  |  |  |  |
| Application | As a baffle for steep pipes | As an inspection shaft in water protection zones | As a pump shaft for dirt and rainwater | As access to fittings | As a dirt collector for roofs and squares | As an inspection shaft and cleaning shaft | Shafts of all application types and others such as drinking water tanks, ice storage tanks, rainwater collectors |
| Body | Vertical round shaft made of PE | Vertical round shaft made of PE | Vertical round shaft made of PE | Vertical round shaft made of PE | Vertical round shaft made of PE | Vertical round shaft made of PE or PP | Horizontal or vertical round shaft made of solid-wall or spiral duct PE |
| Body dimensions | ø 600 - 1000 | ø 800 - 1250 | ø 400 - 2500 | ø 1000 - 2500 | ø 600 - 2500 | ø 800 - 1000 | > 800 - 2500 |
| Floor height | 650 - 1000 | 650 - 1150 | 650 - 1000 | Individuell | 650 - 1150 | 500 | Round floor not possible |
| Total height | Custom | Custom | Custom | Custom | Custom | Custom | > 6500 |
| Advantages of PE shaft | Durable, lightweight, compact, leak-tight and customizable, corrosion-free, easy to transport | Durable, lightweight, compact, leak-tight and customizable, corrosion-free, easy to transport, integrated risers, welded connection pieces, smooth surface, low maintenance | Durable, lightweight, compact, leak-tight and customizable, corrosion-free, easy to transport | Durable, lightweight, compact, leak-tight and customizable, corrosion-free, easy to transport | Durable, lightweight, compact, leak-tight and individually adaptable, corrosion-free, easy transportation, integrated risers, welded connection pieces, smooth surface, low-maintenance | Durable, lightweight, compact, tight and customizable, corrosion-free, easy transport, light inliner, integrated climbing steps, welded connection pieces, smooth surface, low maintenance | Durable, lightweight, compact, leak-tight and individually adaptable, corrosion-free, easy transportation, integrated risers, welded connection pieces, smooth surface, low-maintenance |
| System advantages | Pressure refraction, energy conversion, long service life, can also be used on steep slopes | With inspection and control option via venting & draining valves | Ready for connection, welded at the factory so as leak-tight | Can be fully custom manufactured according to customer requirements, flexibility, short construction time | Space-saving, reduction of blockages, environmentally friendly | Low maintenance, easy accessibility, low soiling | Customized according to customer requirements, ready for connection, welded at the factory so as leak-tight |
| Pressure stability | > 3 mWs | > 3 mWs | > 3 mWs | > 10 mWs | > 3 mWs | > 2 mWs (PP 5 mWs) | > 10 mWs |
| Cover classes, decoupled from class D | A35 / B125 / D400 | A35 / B125 / D400 | A35 / B125 / D400 | A35 / B125 / D400 | A35 / B125 / D400 | A35 / B125 / D400 | A35 / B125 / D400 |
| Inlet / outlet nozzle | > ø 500 | Custom | Custom | Custom | Custom | ø 160 - 400 | Custom |

Overview of geothermal distribution shafts

Geothermal energy

Example

| | | JANSE cube  | JANSEN eco 625/700/950  | JANSEN easy 800 - 1600  | JANSEN u-boot 1200 - 1800  |
|-------------------|----------------------|--|--|--|---|
| | Number of circuits | 2 - 6 | 2 - 6 | 2 - 20 | Up to 80 |
| Dimensions | Main line | ø 90 | ø 63 - ø 90 | ø 63 - ø 110 | Custom |
| | Distribution beam | ø 90 | ø 90 - ø 110 | ø 90 - ø 110 | Custom |
| | Circuit connections | ø 50 | ø 32 - ø 50 | ø 32 - ø 50 | ø 32 - 63 |
| Dimensions | Height | 558 mm | approx. 850 mm | 800 - 1800 mm | Custom |
| | Width | 550/680/810 mm | approx. 750 mm | 800 - 1600 mm | Custom |
| | Depth | 410 mm | approx. 750 mm | 800 - 1600mm | Custom |
| | Circular arrangement | Horizontal / front | Lateral - bilateral | Lateral - bilateral | Lateral - bilateral |
| | Cover class | 500 kg | A35 / B125 / D400 | A35 / B125 / D400 | A35 / B125 / D400 |
| | Telescopic | No | Custom | Custom | Custom |
| Fittings | Flow meter | 5 - 42 l/min | 5 - 42 l/min | 5 - 42 l/min | Custom |
| | Rinse connection | Yes | Yes | Yes | Yes |
| | Air bleed valve | No | Yes | Yes | Yes |
| | Pressure stability | - | 1.5 mWs | 1.5 mWs | Custom |
| | Accessories | - | - | Custom | Custom |
| Structure | | Statically stable body construction with 10 mm material thickness. Main cables extending on both sides. All circuit connections can be shut off incl. plastic flow meter and rinse/filling connections | Sheet material with min. 8 mm wall thickness, main lines can be shut off, arrangement of circuit connections freely selectable, cover class selectable (B125 as standard), incl. plastic flow meter, pressure gauge, rinse connection and air vent | Statically stable body construction with min. 8mm material thickness. Main line can be shut off. Position of the circuit connections can be selected. Lockable incl. plastic flow meter and rinse/fill connections. Cover selectable (B125 standard) | Customized shaft made of spiral ducting, min. Pipe class SN2, main lines can be shut off, arrangement of circuit connections freely selectable, cover class selectable (B125 as standard), incl. access ladder, plastic flow meter, pressure gauge, rinse connection and air vent |
| Advantages | | Simple installation, direction of the main line can be adapted to the conditions | Direction of the circuit connections can be adapted to the conditions, lockable main lines, fittings and other specifications possible | Direction of the circuit connections can be adapted to the conditions, lockable main lines, fittings and other specifications possible | Completely freely and individually configurable, large distribution shaft for complex projects (for statics, comfort, automation and smart technology) |

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