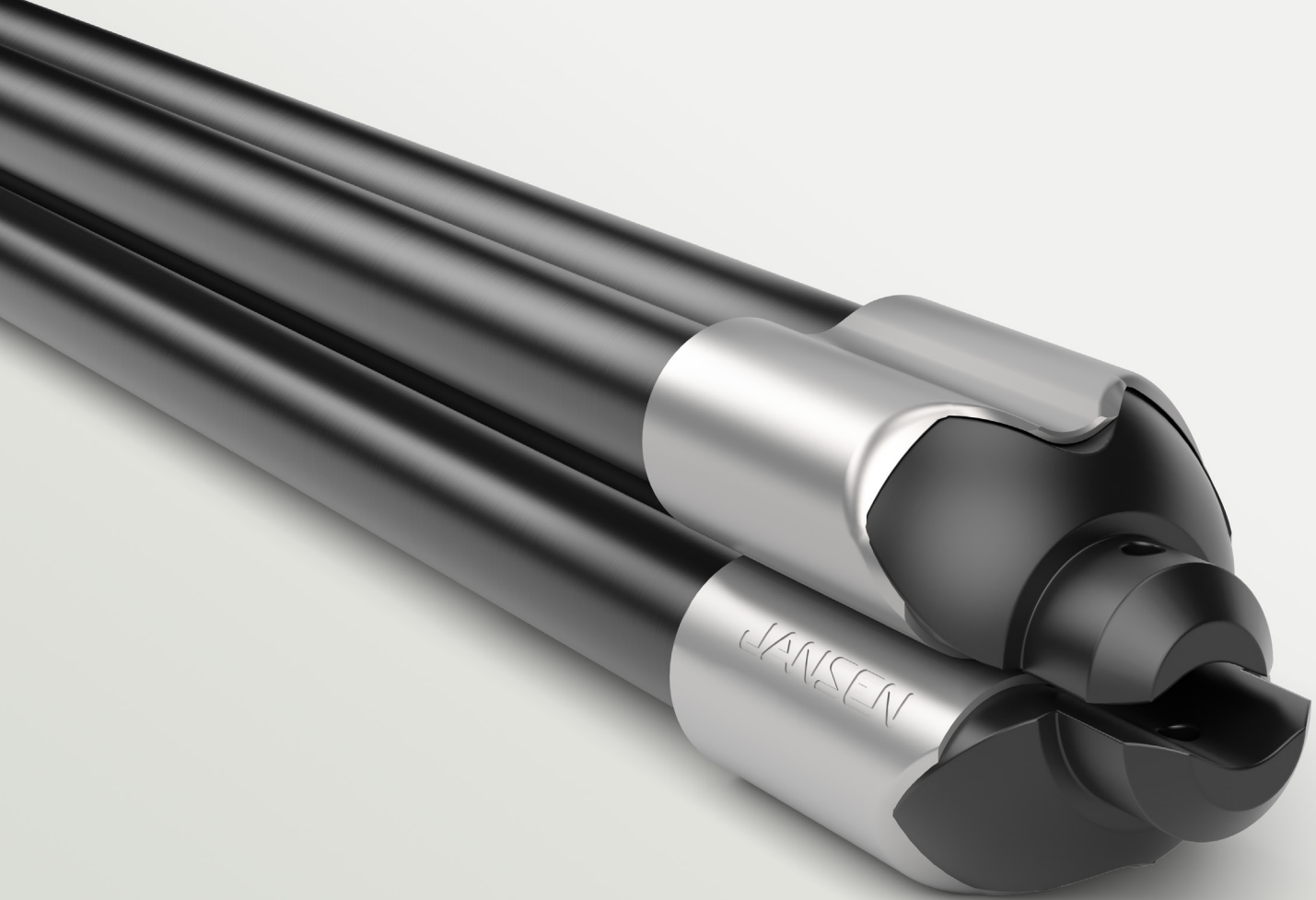
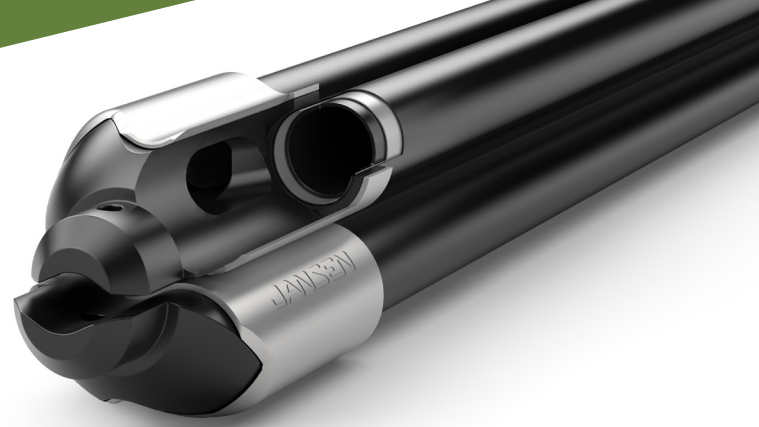




# JANSEN hipress

Technical data sheet 42 × 3.5 mm

The strongest continuous cylindrical  
geothermal probe in the world  
for depths up to 500 meters



## Material properties

|                                  |                                                                                                                                           |
|----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|
| Material                         | Metal multilayer pipe 0.4 mm<br>aluminum layer embedded in PE 100-RC                                                                      |
| Continuous operating temperature | -20° C ... +40° C<br>(DIN 8075)                                                                                                           |
| Production according to          | SIA 384/6, ÖWAV regulation sheet 207, VDI 4640<br>ISO 9001:2008, ISO/TS 16949:2009, ISO 14001:2004<br>OHSAS 18001:2007, DVS 2212-1, REACH |
| Pipe roughness                   | 0.03 mm                                                                                                                                   |
| Calculated thermal conductivity  | 0.48 - 0.50 W/mK                                                                                                                          |
| Weather resistance (Europe)      | > 10 a                                                                                                                                    |

## Probe properties

|                                      |                                                 |
|--------------------------------------|-------------------------------------------------|
| Meets requirements, certification    | EN 21003, SIA 384/6                             |
| Material selection                   | Metal multilayer pipe                           |
| Minimum bend radii                   | 840 mm @ 20° C, 1470 mm @ 10° C, 2100 mm @ 0° C |
| Versions                             | Double-U, Single-U                              |
| Pressure rating                      | PN 35                                           |
| Delivery lengths                     | 150 - 500 m                                     |
| Safety factor                        | 1.25                                            |
| Volume per meter of probe            | 3.85 l/min                                      |
| Probe foot diameter                  | 125 mm offset                                   |
| Pressure loss per meter at 2.5 m³/h  | 1.15 mbar (water 20° C)                         |
| Color                                | Black                                           |
| Thermal conductivity multilayer pipe | 0.48 - 0.50 W/mK                                |
| Probe foot                           | Monolithic machined probe foot                  |
| Measurement in meters                | Linear meters ascending                         |
| Measurement in meters                | Switzerland                                     |
| Patente                              | EP2966333B1                                     |