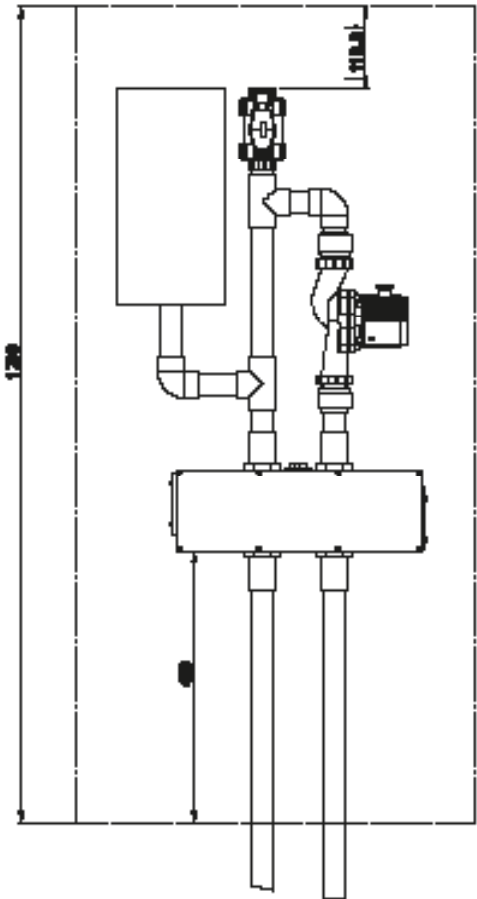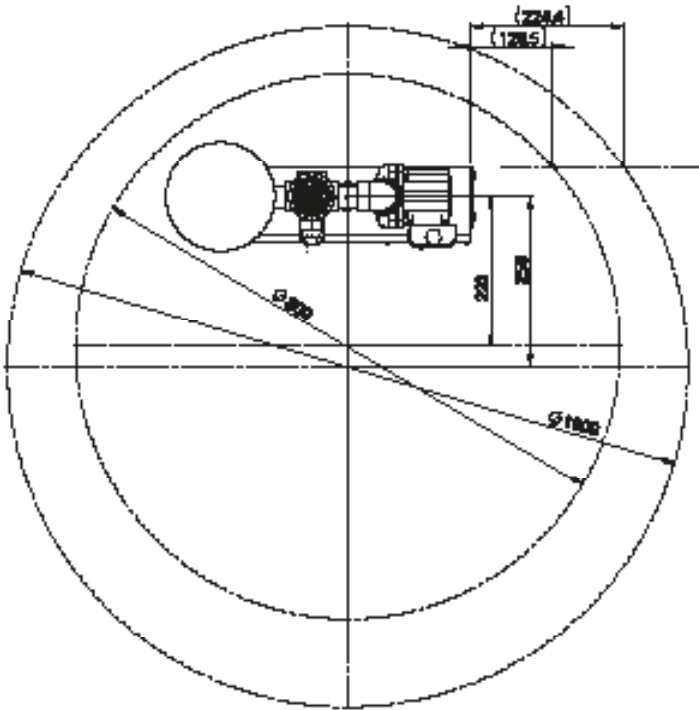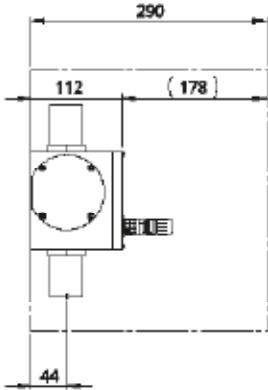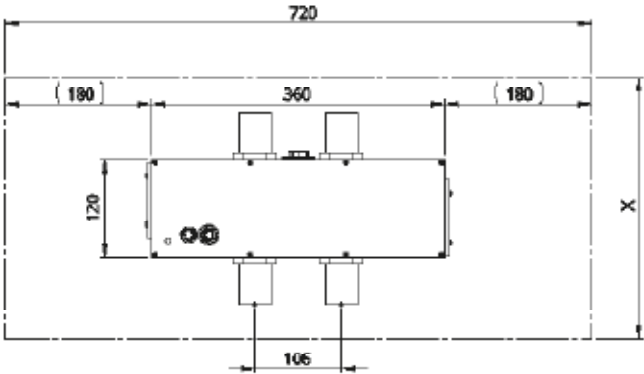**GEOsniff® AUTO BYPASS**
DATA SHEET

enoware

Required installation space on the example for use as a self-sufficient depth-temperature measuring site

Dimensions of GEOsniff® AUTO BYPASS

GEOsniff® AUTO BYPASS (patent pending)

Automatic insertion and removal of a GEOsniff® ᵀᴾ MEASUREMENT PIG for reliable continuous operation of an geothermal probe as well as a long-term monitoring of the depth-temperature profiles in small and large geothermal plants.

Field of application	Automated, continuous measuring/monitoring of the depth-temperature profile of a geothermal probe as well as using it as a depth-temperature measuring site and the operational monitoring of a geothermal plant
Design	Robust housing made of POM
Measuring principle	GEOsniff® ᵀᴾ MEASUREMENT PIG is automatically inserted and removed as well as get charged and read out data wirelessly
Measuring cycle	Individually configurable, depending on the length of the geothermal probe
Integrated measuring sensors, interfaces	Temperature sensor for calibration check, conductivity for brine (optional), interface to the heating pump and further digitals I/O´s
EWS connection properties	Threaded connection G1 1/4" for steel sleeve clamp or welding sleeve for 32 mm or 40 mm probe tube, mounted directly via the geothermal probe in a mounting bay
Online connection and interfaces	Prepared for online connection with YouFootprint® for visualization of measuring data via smartphone app (Android and iOS) and push notification for alarm messages, remote maintenance via GSM/UMTS/LTE, connection to building management system via BACnet IP, KNX IP, XML etc. Further protocols/data formats optional
Maintenance	Maintenance-free operation, allows remote monitoring of the operating condition and remote maintenance of the systems
Power supply	12 VDC, supply via external 230 VAC power supply
Power consumption	2 W standby, 15 W measurement operation, automatic depth-temperature measuring point depending on pump power consumption, with 100 m probe, 100 W in pumping operation f.e.
Installation requirements	Mounting bay with diameter at least Ø = 800 mm
Dimensions / weight	160 x 120 x 112 mm / approximately 5 kg
Protection type	IP65

Dummy plug for removing the GEOsniff® TP MEASUREMENT PIG in attached geothermal probes

Leading

Return

GEOsniff®
AUTO BYPASS

enOware

12 VDC and ethernet socket, IP65 optional connection for heating pump, digital I/O's