

Product sheet

PCD-1000

Probe cleaning device
Accessory to TCT/RET

FEATURES

- Automatic cleaning of measuring gap
- Update for existing transmitters

BENEFITS

- All settings performed from the TCT/RET electronics



GENERAL / BACKGROUND

For most normal installations where the TCT/RET is used, there is no need for a separate probe cleaning device, as the measuring gap is designed to clean it self with help of the pulp flow.

The TCT/RET transmitter is installed using a ball valve arrangement. If required due to process conditions, the cleaning device can be mounted to the ball valve arrangement on-site. The TCT/RET will then be automatically cleaned at user defined intervals.

In some applications, like effluent or other installations where clogging is expected to be a problem, the probe cleaning device should be ordered and shipped together with the TCT/RET.

The cleaning device solenoid valve is powered and controlled from the TCT/RET electronics, which also supplies the 24 V DC for the solenoid valve.

FUNCTION

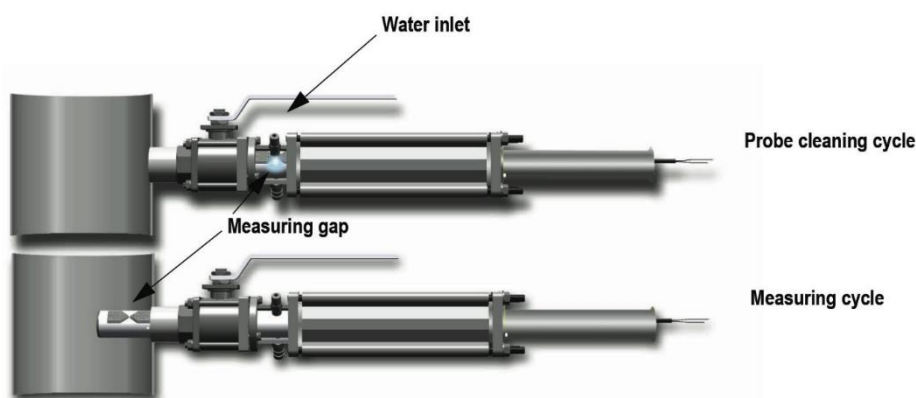


Figure 1: Probe cleaning device – working principle



Use QR-code or link for more information
www.btg.com/mybtg/en/instruments/ret-25x2

TECHNICAL DATA / SPECIFICATIONS

GENERAL

Type	PCD-1000 cleaning device for TCT/RET
Manufacturer	BTG Instruments AB, Säfte, Sweden
Weight:	9.5 kg [20.9 lb] including valve and probe

PROCESS SPECIFICATIONS

Ambient temperature	5 – 50 °C [41 – 122 °F]
Media temperature	5 – 60 °C [41 – 140 °F]
Process pressure	PN10 (10 bar at 20 °C [145 psi at 68 °F])
Vibration	The installation site must be free from vibration.
Resonance frequency	Within 5 – 600 Hz: Resonance peak at 17 and 120 Hz

SUPPORT SYSTEM

Air supply	Filtered 5 – 7 bar [73 – 102 psi]
Air connection	Ø 6/4 mm [0.24/0.16"]
Water supply	Mechanically cleaned 3 – 10 bar [44 – 145 psi]
Water connection	Inlet: Ø 8.5mm [0.34"] Outlet: Ø17mm [0.67"]
Supply voltage	24 V DC supply from TCT/RET electronics. Min. 4 x 0.75mm ² (AWG18)

SAFETY & DIRECTIVES

EU-directives

Designed in accordance with relevant CE standards.

Quality Assurance

Quality-assured in accordance with ISO 9001.

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DIMENSION DRAWINGS

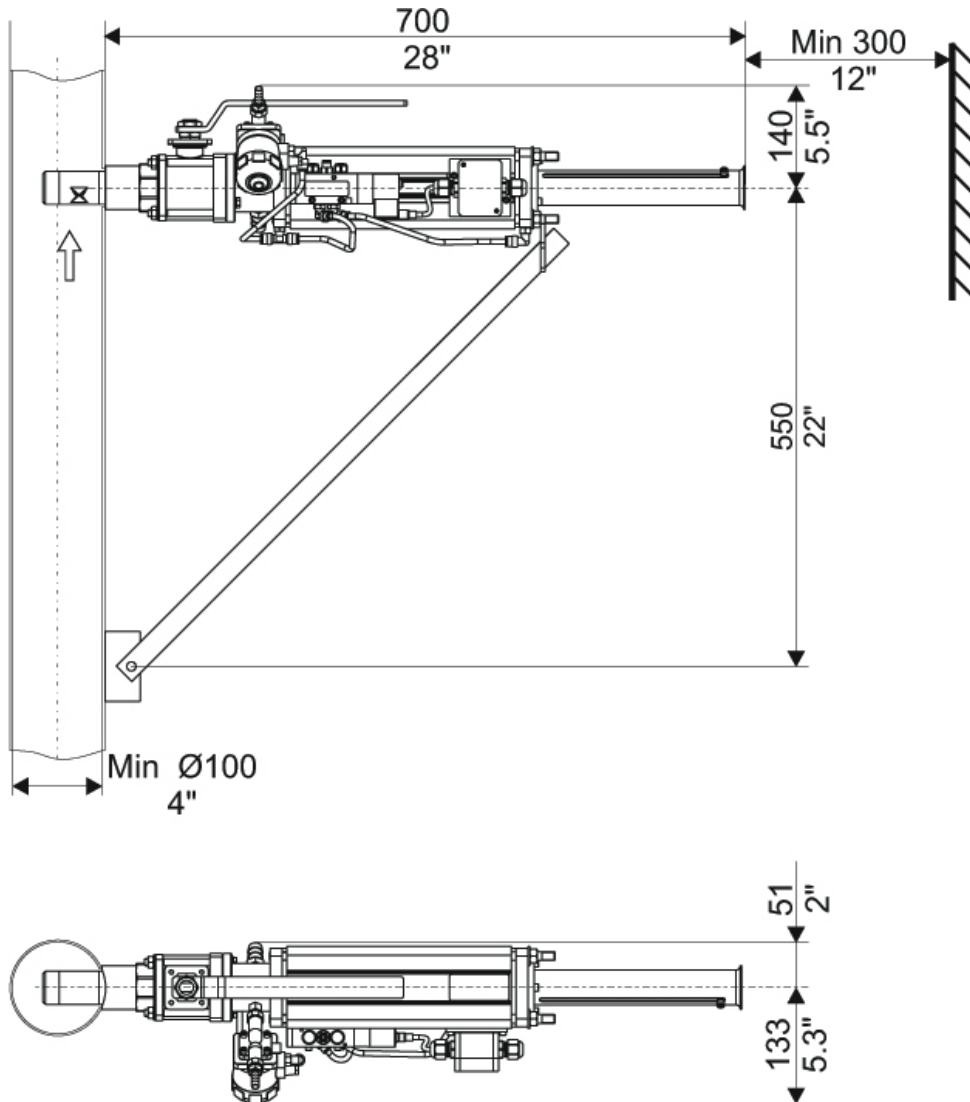


Figure 2: Probe cleaning device – dimensions

NOTE! For safety reason the supporting brace must be installed.