

Assembly Instruction



Spot Drilling Collar with Ball Valve



Application:

For the later setting up of a measuring point for different measuring devices



Example: VA 300 flow and consumption measurement

Important Information

Please read and observe the instruction manual carefully before using the instrument initially.

In case of non-observance or non-compliance the manufacturer cannot be claimed for liability for the resulting damages.

Any performances at the instrument which do not correspond with the conventional and described procedures will lead to an expiry of the warranty and to an exclusion of liability.

The instrument is exclusively designed for the described application purpose.

CS Instruments will neither take over warranty regarding the suitability for any particular purpose nor regarding any mistakes which may be contained in this instruction manual. Furthermore, there will be no liability from the part of CS Instruments regarding any consequential damages in conjunction with the shipment, performance and use of this instrument.

Application Range

The spot drilling collar with ball valve is designed for the later setting up of a measuring point at pressurised compressed air pipes.

Safety Instructions

Please read carefully before initiation!

Attention:

- Please do not exceed a pressure range of 16 bar.
- Assembly should be effected only by qualified personnel.
- Please observe safety regulations for workings at pressurised lines.
- The spot drilling collar has to be assembled pressure-tightly. We recommend you to carry out a high-pressure test before starting the drilling procedure. For this purpose please open the ball valve and supply a line pressure to it (ball valve from the back side reversely). By means of the CS ultrasound leakage detector LD 300 a leakage test can be carried out safely and quickly.
- For drilling please use slowly running drilling machines with corresponding safety systems.

Assembly procedure:

- ◆ Please clean the pipe at the desired point
- ◆ Place the sealing collar around the pipe
- ◆ Turn the sealing collar until the ball valve has its right position
- ◆ Tighten the screw nuts, fastening torque 70 Nm (torque spanner)
- ◆ Before starting the drilling procedure it is essential to test the connection between the collar and the pipe for leaks by means of the ball valve
- ◆ Drilling by means of CS spot drilling device (part no. 0530.1108)



Pipe types:

Steel pipe or pipes with diameters of DN 40 up to DN 200

Maximum operation pressure/temperature:

16 bar/ -5°C to +50°C

Material

Ball valve R ½" inside: 1.4408

Sealing clamp: 1.4301

Sealing collar: NB

Contact

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