tel.: +3728807552
e-mail: eu@atex.center
web: atex.center

HRD NOZZLE
DN 20

The HRD nozzle is used to introduce the extinguishing agent into the duct. It is installed in combination with the HRD barrier.

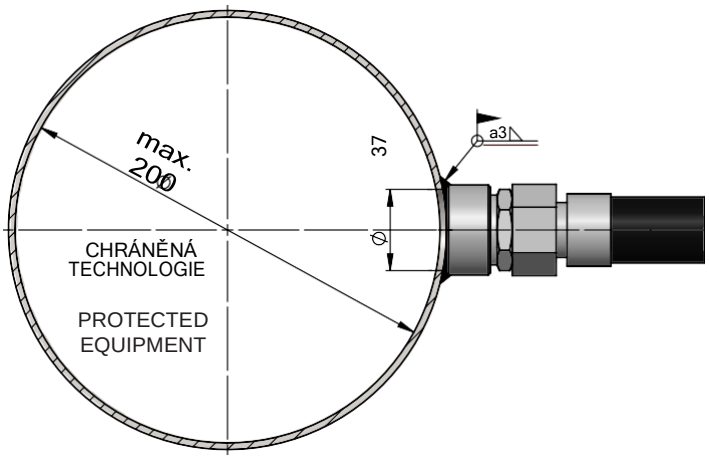
Application of this nozzle is up to maximum pipe diameter of 200 mm.

CLASSIFICATION

Material of outer body	Carbon steel with anti-corrosion coating
Material of membrane	PTFE
Temperature resistant of nozzle	-30 °C to +230 °C

THE PROCESS OF WELDING THE NOZZLE:

In a particular application site is drilled a hole 37 mm in diameter into the technology. The nozzle DN20 is welded around the perimeter to the pro- tected device by a 3 mm welding fitting according to EN ISO 4063 (see Fig. 1). The distance of the nozzle from the axis of the bottle must be chosen with regard to the available length of the connecting hoses (400 mm or 700 mm) and their minimum permissible bending radius is 240 mm.



NOTICE:

The DN20 nozzle assembly must be dismantled prior to welding to prevent internal nozzle parts (seals, diaphragms) from breaking. The DN20 nozzle is disassembled by unscrewing the hexagonal outer body and welding the inner nozzle body to the technology (see Fig.). After welding, reassemble the nozzle.

The corner weld must be welded intermittently to avoid deformation of the nozzle! However, the perimeter weld must be solid, gas-tight and resis- tant to pressure! All weld joints need to be coated with a suitable coating.

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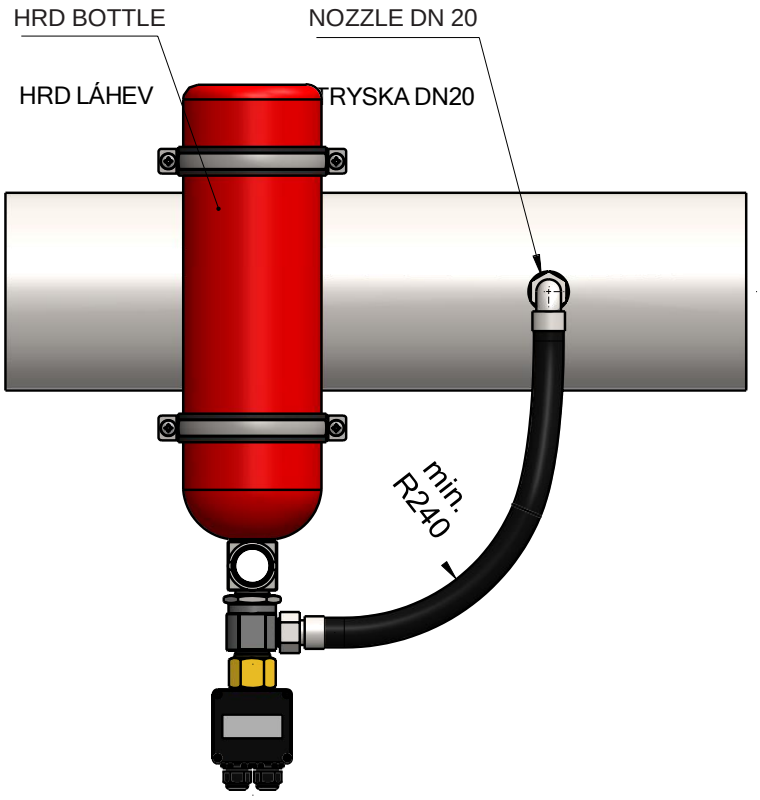

PROCESS OF MOUNTING THE NOZZLE:

In a particular application site is drilled a hole 37 mm in diameter in technology. The DN 20 nozzle is mounted on the protected device via a flange using 4 pieces of M10 screws ISO 4762 (galvanized, strength 10.9) and rivet nuts (Fig. 2).

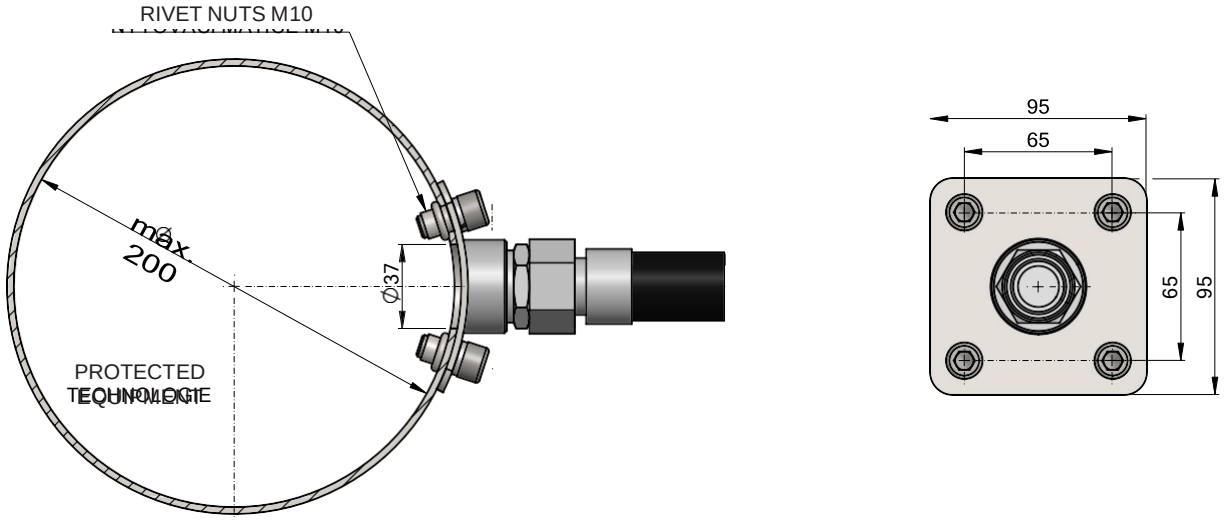

Fig. 2