

## HANDHELD HYDRAULIC DRILL VHR 42 N.1

### Use and description:

Handheld hydraulic drill **VHR 42 N.1** in explosion- proof version is used for hand drilling of holes up to  $\varnothing$  42 mm in soft and medium hard coal and soft rock. After dismantling of the handle and changing the trigger device it is possible to assembly the drill on the drilling equipment slide.

The drill consists of the hydraulic motor controlled with the trigger lever situated on the control handle, the control cube is a part of it. The motor torque is transmitted on the spindle wit bushing designed for fixing of the drilling rods with rhombic shank. The drilling rods are usually equipped with drilling bits  $\varnothing$  38 -  $\varnothing$  42 mm.

The drill VHR 42 N.1 has been designed and constructed for connection as a single consumer to the hydraulic aggregate. If out of operation, the drill VHR 42 N.1 pressure side is connected directly to the waste line.



### Characteristics:

Type		VHR 42 N.1
Torque at nominal oil pressure	Nm	50
Max. output at oil nominal pressure	kW	3.2
Oil max. pressure	MPa	20
Oil nominal pressure	MPa	14
Oil flow rate at max. rpm	dm <sup>3</sup> .min <sup>-1</sup>	25
Speed	rpm	350 ÷ 700
Working medium	hydraulic liquid having a viscosity of 46 mm <sup>2</sup> .s <sup>-1</sup> at 40°C	
Filtration	µm	25
Hose ID	mm	13
Dimensions w x h x l	mm	275x389x127
Weight	kg	9.6

Type marking:

VHR 42 N.1	
VHR	HANDHELD HYDRAULIC DRILL
42	drilling bit max. $\varnothing$
1	gate valve control
N	explosion- proof version

The product has been designed and constructed as the equipment group I (mine), category M2 according to the Directive 94/9/EC of the European Parliament and of the Council and meets the requirements for using in areas "hazardous atmospheric conditions 2" according to EN 1127-2+A1 on condition that all national regulations of the employer are fulfilled.