

PNEUMATIC DRILLING MACHINES

PV 16 K [Ⓐ], PV 32 K [Ⓐ]

Use and description:

Pneumatic drilling machines type in variants **PV 16K [Ⓐ]** and **PV 32K [Ⓐ]** (hereinafter only drilling machines) are hand-held tools for drilling openings in metals, wood and plastic materials. Max. diameter of drills are given in a table – see Characteristics. Cleaned and lubricated compressed air with overpressure 0.40 ÷ 0.60 MPa is a driving medium.

Pneumatic drilling machine PV 16K [Ⓐ] has been designed and constructed for drilling holes up to 16 mm in metal, wood and plastic material. With drill bush MK 2 it is possible to clamp drill of diameter up to 23 mm for drilling in non-metals. Pneumatic drilling machine PV 32K [Ⓐ] is used for drilling and reaming holes in metals with diameter up to 32 mm. The spindle of the drilling machine is shaped as a MORSE 3 cone for clamping drills.

The drilling machines consist of control handle, body with motor and drill chuck or drill bush. Drilling machine bodies are manufactured from light metal alloys and a protective cover layer type **ANTIAl[®]** is applied on their surface. Which enables to operate them in potentially explosive atmospheres.

PV 16K [Ⓐ]PV 32K [Ⓐ]

ANTIAl[®] [Ⓐ] - protective cover layer on handheld tools manufactured from light metal alloys used in potentially explosive atmospheres, which eliminates the ignition of explosive mixture due to mechanical spark at fall of the tool on the rusty steel.

Characteristics:

Type		PV 16K [Ⓐ]	PV 32K [Ⓐ]
Max. output I./II. rpm stage	kW	0.45/0.5	1.85
Compressed air working pressure	MPa	0.4 – 0.6	0.4 – 0.6
Idle rpm I./II. rpm stage	1.min ⁻¹	600/850	380
Air consumption at max. output	m ³ .min ⁻¹	0.7	2.1
Feeding hose ID - DN	mm	10	19
Air filtration	µm	30	30
Max. ø of drill (steel/plastic mat./wood)	mm	16/23/35	32
Spindle cone		B 16	MORSE 3
Dimensions (l x h)	mm	290x167	410x335
Weight	kg	3.2	9.8
Basic tooling		driving wedge	driving wedge

Type marking:

PV 16, 32K [Ⓐ]
PNEUMATIC DRILLING MACHINE KOEXPRO
max. drill ø
[Ⓐ] protective cover layer AntiAl[®]

The product has been designed and constructed as the equipment group I (mine), category M2 and equipment group II (mine surface installations), category 2 according to the Directive 94/9/EC of the European Parliament and of the Council and meets the requirements for using in areas "dangerous atmospheric conditions 2" according to EN 1127-2+A1 and "zone 1" according to EN 1127-1 on condition that all national regulations of the employer are fulfilled.

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