

HYDRAULIC AGGREGATE AH 50 N

Use and description:

Hydraulic aggregate **AH 50 N** (hereinafter only aggregate) is a source of pressure medium with pneumatic drive, which has been designed and constructed for hydraulic consumers with small flow rate and high pressure, e.g. hydraulic equipment for secondary rock disintegration. It is used on workplaces where the pressure air source with required characteristics is available.

The aggregate consists of oil tank with grips, in which two pneumatically driven, single acting piston hydraulic generators are placed. A hydraulic and pneumatic distribution systems are other parts of the aggregate. These are located on the tank cover.

The pneumatic distribution system consists of pneumatic connection, compressed air filter, air lubricator and sound damper. The hydraulic distribution system consists of oil filter in return line, by-pass valve, valve for connection of single acting hydraulic equipment, manometer and of two pressure and two return lines with threaded connecting pieces.



AH 50 N

Characteristics:

Type		AH 50 N
Oil output pressure (max.)	MPa	50
Working liquid	hydraulic liquid having a viscosity of 32 or 46 mm ² .s ⁻¹ at 40°C	
Oil tank	dm ³	9.3
Flow rate of fed oil	dm ³ .min ⁻¹	1.2
Compressed air working pressure	MPa	0.4 ÷ 0.6
Air consumption at max. output	m ³ .min ⁻¹	3
Pneumatic connection		RD 32
Hydraulic connections		M18x1.50 DKS
Oil temperature	°C	durable 25 ÷ 40
Basic dimensions w x h x d	mm	355x550x470
Weight without oil	kg	45.0

Type marking:

AH 50 N
 AH AGGREGATE HYDRAULIC
 50 max. oil pressure
 N explosionproof

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.

U Cementárny 1303/16
 703 00 Ostrava – Vítkovice, Czech Republic
[http:// www.koexpro.cz](http://www.koexpro.cz); www.koexpro.eu

phone: +420 595 782 251, +420 595 782 250
 fax: +420 596 633 923, +420 595 782 249
 e-mail: koexpro@koexpro.cz