

DOSEEM 9L Air cylinder (DOT) & Self-locking cylinder valve KHF-30



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9L Air cylinder

Carbon fiber composite gas cylinders are made of aluminum alloy liners with advanced equipment and processes. They are made of high-strength fibers such as carbon fiber and glass fiber, which are entwined with polymer materials. The gas cylinder is a high-pressure vessel for storing compressed air for human respiratory use. The rated storage pressure is 30 MPa. This gas cylinder is an international high-pressure cylinder.



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Self-locking cylinder valve KHF-30

The cylinder valve is an important part of the cylinder switch gas source. Its structure is a female threaded bottle valve. The thread is divided into two types: imperial G5/8 and metric M18*1.5. They are matched with the external thread reducer. The cylinder valve of the internal thread structure is equipped with a high-pressure safety diaphragm. When the gas pressure in the cylinder exceeds 38MPa-45MPa, the safety diaphragm will burst and the gas will be rapidly relieved.

ADVANTAGE

Advanced materials, durable

Seamless aluminum alloy liner with carbon fiber entanglement on the epoxy. The outer layer of the epoxy resin is wrapped around the cylinder with glass fiber. The outer layer of glass fiber is used to strengthen the anti-impact and anti-corrosion ability of the cylinder during use and maintenance. Epoxy resin after high temperature treatment, external gel coating on the surface of the cylinder to create a smooth, easy-to-clean surface for the cylinder.

High security

Composite cylinders are difficult to conduct electricity and have neutralization in corrosive environments. Cylinder valves built-in safety diaphragm, avoid high pressure cylinder bottle burst. Have good elasticity and softness of the TPE pad holder, effectively protect the cylinder knock against fading.

Light quality

Carbon fiber cylinder is about 50% lighter than the same volume cylinder, which greatly reduces the weight of the wearer during work and improves work efficiency.

Wide choice

You can choose from a wide variety of compressed air cylinders and configure respirators according to individual needs. Optional cylinder valves are available and can be configured with the cylinder configurator to meet customer requirements.

MAINTENANCE

- After use, the cylinder should be wiped clean with a soft cloth and labelled to indicate the identity of the empty bottle for timely inflation. The gas cylinders that are filled with gas are fixedly connected according to the assembly position so that they can be used at any time;
- Visual inspection of the cylinder last test date, whether it has expired, check the surface for dents, scratches, burning hot flames, rust and other phenomena, whether the bottle is damaged, the cylinder valve switch is flexible;
- When installing or removing gas cylinders, the threaded joints of the cylinder valves must be protected. Rigid objects must not be tapped on the threaded teeth so as not to damage the threads. Cylinder bottle mouth is prohibited from contaminating grease.

TECHNICAL DATAS

Capacity	9L	REE	160
Storage capacity	2700L	Liner material	6061 aluminum alloy
Cylinder diameter	172mm	First sandwich material	Carbon fiber
Cylinder height	575mm	Second sandwich material	Glass fiber
Cylinder weight	5.1kg	Housing material	Epoxy resin
Medium	Compressed air	Size of external thread of bottle valve	M18*1.5-6H
Filling pressure	30MPa	Size of inner thread of bottle valve	G5/8
Hydraulic test pressure	50MPa	Detection cycle	3 years / cycle
Burst pressure	≥102MPa	Service life	15 years

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