HYDAC INTERNATIONAL

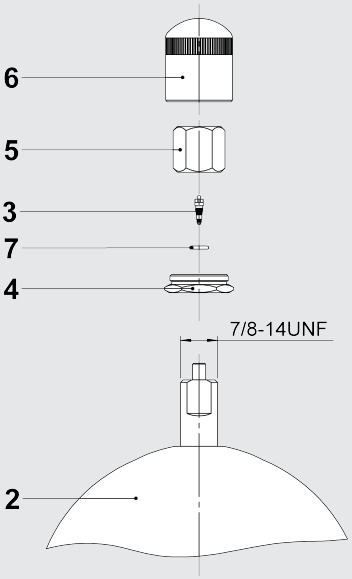
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Operating instructions
Bladder storage

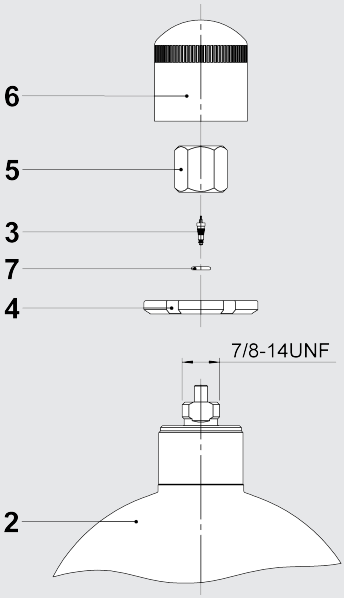
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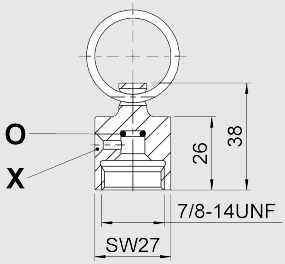
I-1



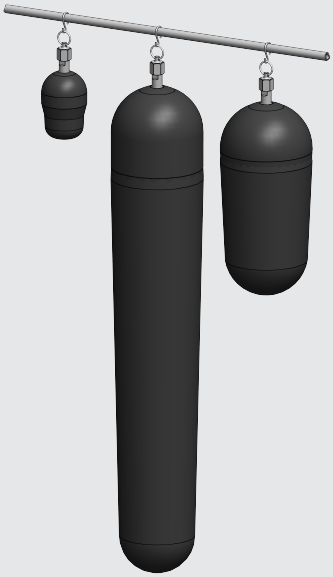
I-2



I-3



I-4



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1. Go to document

This document contains important information on the transport and storage of HYDAC spare bladders.

Other relevant documents with further safety and product information:

Number	Title
3.000	HYDAC Accumulator technology
3.202	Bladder accumulators low pressure
3.201	Bladder accumulators standard design
3.203	Bladder accumulators high pressure
3.201.BA	Operating instructions bladder accumulators
3.201.M	Assembly and repair instructions bladder accumulators

2. Fold-out pages

Fig.	Content
[I-1]	Spare bladder 0.5 – 32 litres
[I-2]	Spare bladder 50 – 200 litres
[I-3]	Valve cap for bladder storage
[I-4]	Example: bladder storage

3. Safety information

Legal information

See: **www.hydac.com**

4. Transport and storage

Transport

For transport, the spare bladders are firmly closed up and placed in UV-protection packaging. Depending on the bladder size and type of dispatch, the procedure is as follows:

Bladder size / dispatch type	Dispatch method
< 32 litres	With approx. 0.1 bar nitrogen charge
≥ 32 litres	No nitrogen charge, folded
Air freight / bulk dispatch	No nitrogen charge

Storage

When storing elastomers, DIN 7716 “Rubber products, guidelines for storage, maintenance and cleaning” must be complied with.

1. Unpack bladder 2 [I-1] and store it hanging and slightly inflated [I-4]. The valve cap for bladder storage [I-3] should be used for this purpose.
2. Bladder with gas valve insert: Charge bladder 2 [I-1] with roughly 0.1 bar nitrogen via the gas valve. Then screw the valve cap [I-3] onto the gas valve.
   Bladder without gas valve insert: Lightly screw valve cap [I-3] onto the gas valve. Through opening X [I-3], charge bladder 2 [I-1] with roughly 0.1 bar nitrogen. Further screw the valve cap [I-3] to close opening X [I-3].
3. Hang up bladder 2 [I-1] in the packaging where possible.
4. Protect bladder 2 [I-1] from air fluctuations and temperature fluctuations. The storage place must be free from any ozone-generating facilities (e.g. fluorescent light sources, mercury vapour lamps, electric motors or welding arcs).
5. After three years of storage, bladder 2 [I-1] must be inspected for cracks and alterations. If no alterations are found, the storage duration is extended one year at a time. After each year, a new inspection must be performed. If cracks or alterations are found, the bladder must be disposed of appropriately.

5. Spare parts and accessories

Description	Part no.
Valve cap for bladder storage	365058
O-ring 5x2	602416

6. Customer service

Service, repeat testing and repairs can be carried out at the HYDAC head office or at all national and international HYDAC sales and service centres.

Contact at Headquarters

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