

INSTRUCTION MANUAL AND SPARE PARTS CATALOGUE

STORAGE BOTTLE RACKS

KB 072390

KB 072396

KB 072398

KB 072399

KB 76368

KB 75926

Instruction Manual Storage Bottle Racks

INTRODUCTION

This manual contains information and instructions for mounting, operation and maintenance of

Storage Bottle Racks

P/N 072390

P/N 072396

P/N 072398

P/N 072399

P/N 76368

P/N 75926

All instructions should be observed and carried out in the order laid down to prevent damage and premature wear to the equipment. The company voids all warranties for malfunction and damage resulting from failing to follow these instructions.

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Subject to change without prior notice

Instruction Manual Storage Bottle Racks

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ANNEX

Unit drawing	KB72463-740
Unit drawing	KB76368-740
Unit drawing	KB75926-740

Applicable parts list:	
Storage bottle racks	G7

Change notice

Change no.	Change date
0	Basic edition February 1994
1	Oktober 1997

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1. DESCRIPTION

1.1. General

The storage bottle racks are designed for storage of compressed medium with almost no limit for storage capacity due to the "module" design.

The storage modules are available in 50 l (B50-S, Fig. 1), 80 l (B80-B and B80-S, Fig. 1) and 100 l (B100-S, Fig. 1) variants.

At the 50 l and 100 l variants the basic storage module has a safety valve and pressure gauge.

Storage capacity can be increased as required with add-on modules^{a)} for all variants (see Fig. 2 and LEERER MERKER).

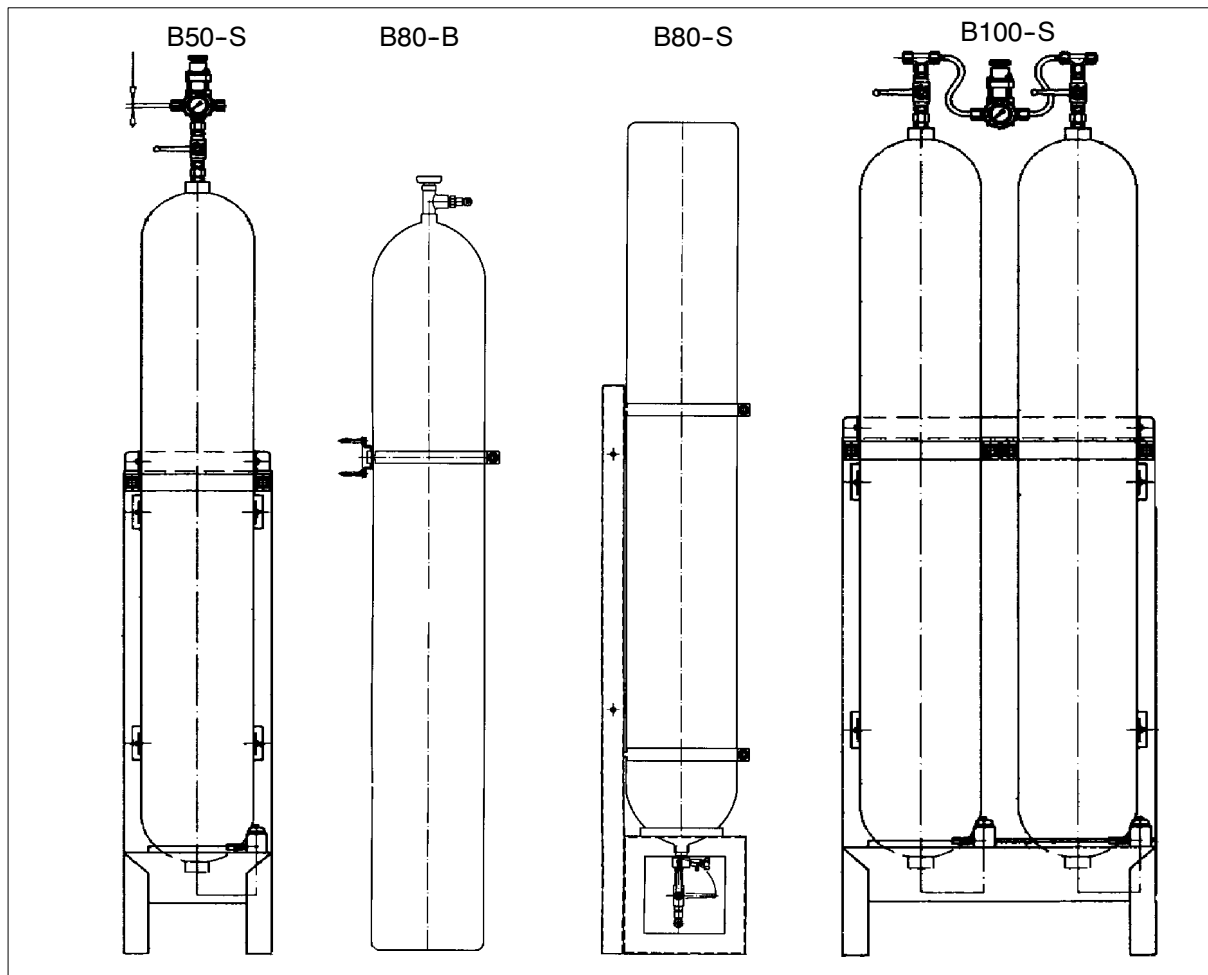


Fig. 1 Basic module

a) delivery scope without safety valve and pressure gauge

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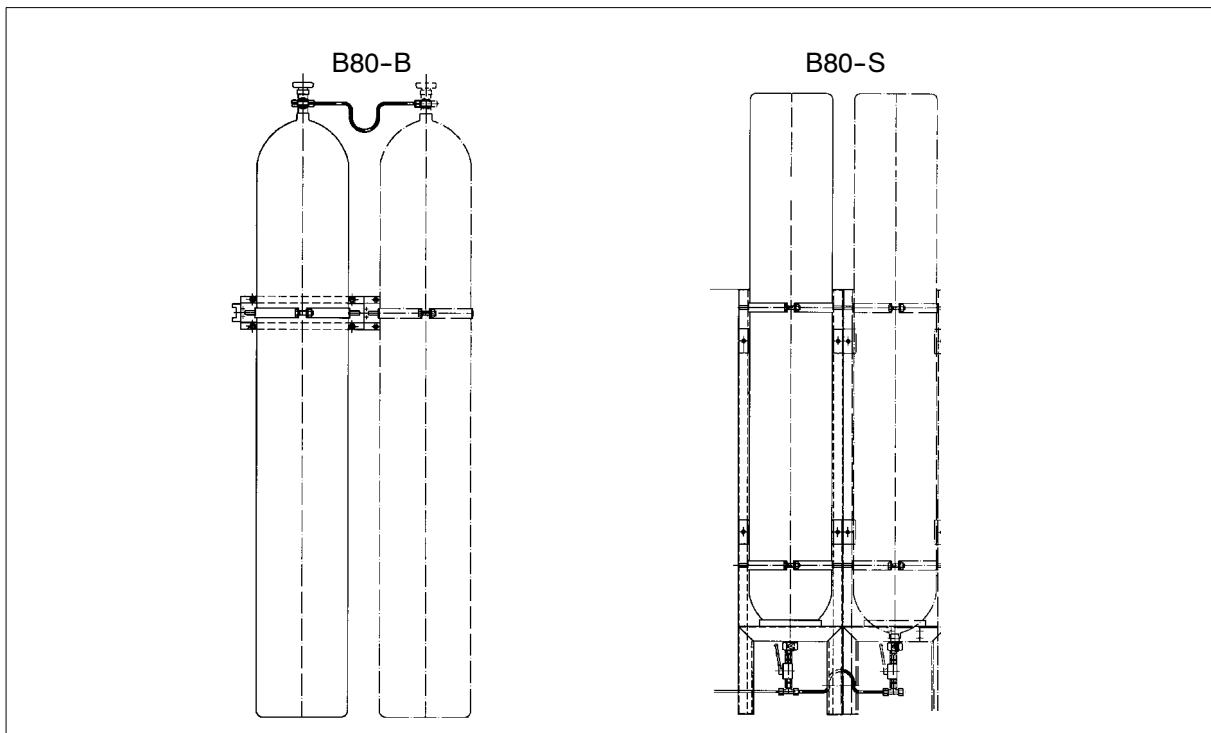


Fig. 2 Row arrangement, 80 l variant

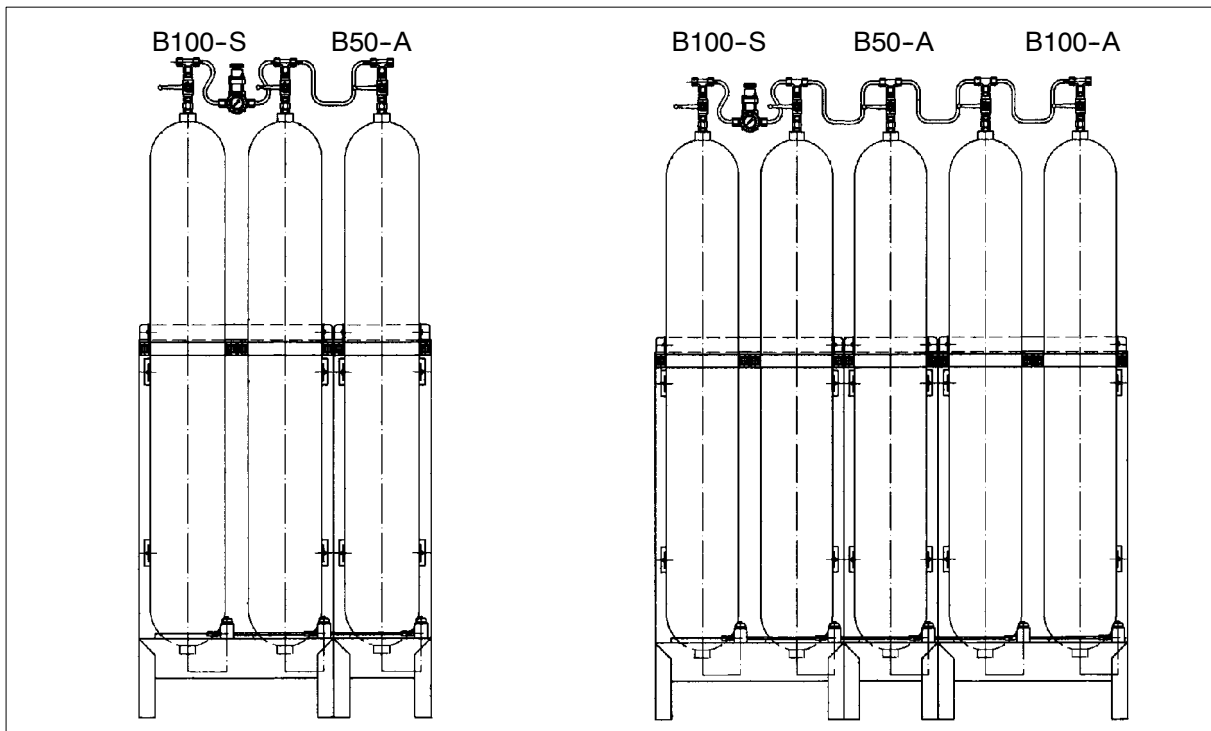


Fig. 3 Row arrangement, 50 l and 80 l variant

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1.2. Compressed air connection

The 10 mm diameter reducer enables both 8 mm and 10 mm diameter pipes to be used.

1.3. Condensate drain

Each storage bottle is equipped with a condensate drain valve.

NOTE

Dispose of condensate according to local regulations.

1.4. Maintenance intervals

CAUTION

The storage bottles are subject to dynamic load. They are designed for a certain amount of load cycles (1 load cycle = 1 pressurization, 1 depressurization) see following table. After reaching the max. number of load cycles the storage bottles should be exchanged.

Pressure variation	Max. number of load cycles
360 — 0 — 360	1,900
360 — 50 — 360	3,600
360 — 80 — 360	5,500
360 — 100 — 360	7,500
360 — 150 — 360	18,500
360 — 200 — 360	58,200
360 — 250 — 360	280,800
360 — 294 — 360	2.4 Mill. (fatigue strength)

- Inspection

Inspect storage bottle racks according to pressure vessels regulations (DruckbehV) para. 10, chapter 4. According to this the inside of the storage bottle has to be checked every 5 years, the outside every 2 years, pressure tests have to be carried out every 10 years.

- Condensate drain

The condensate has to be drained regularly. The amount of condensate depends on the storage medium, flow quality and ambient temperature and has to be determined individually for each case.

1.5. Technical data

Storage pressure max. 360 bar (5,220 psi)
 Blow-off pressure (set at the factory) 365 bar (5,290 psi)^{b)}
 Bottle storage volume 50 l (water volume)

b) max. or according to order

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2. ANNEX

- Drawings
- Spare parts catalogue