Operating manual
for
quick release adapter
type KA-2
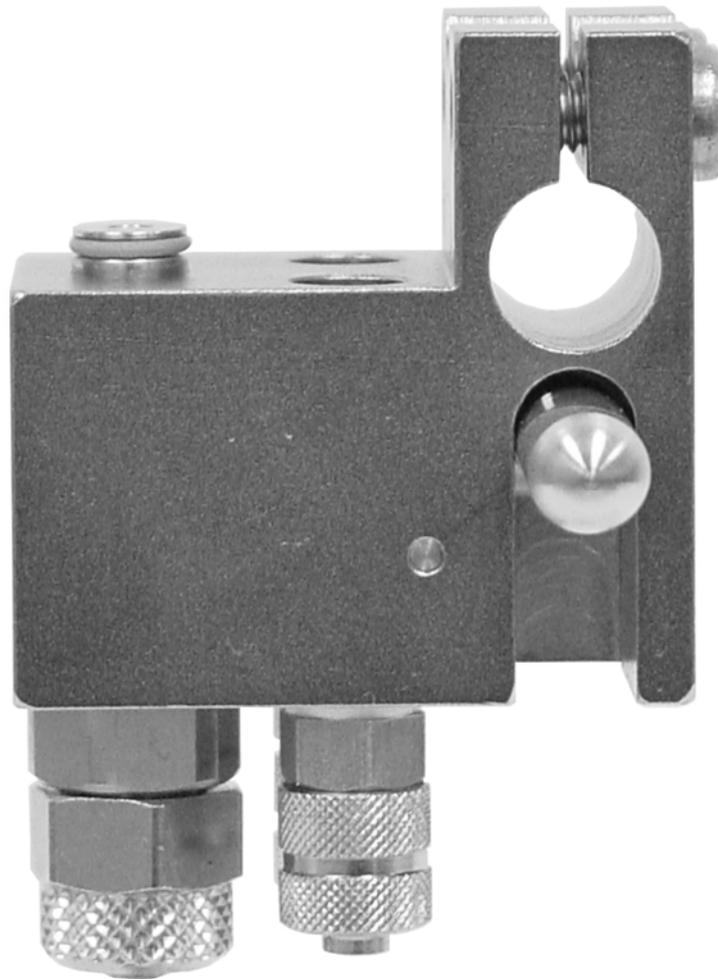
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1 Introduction

The **quick release adapter type KA-2** is only designed and constructed for the assembly with the automatic-sprayvalve KA-2 /SW (not included in delivery).
The quick release adapter is designed for fast assembling/disassembling of sprayvalve. Furthermore it is used for the supply of atomizing air, control air and fluid to the sprayvalve.
Quick release adapter and sprayvalve can be non-switched by stick together both parts with their air- and material-connections. After that fix both parts by turning the release handle to position "close".
The quick release adapter type KA-2 is a precision tool. Always keep clean and observe minimum instructions to maintain a long useful life.

2 Installation

The **quick release adapter type KA-2** can be installed in any position. For solid attachment a thread (M10) is available. Vibration of the equipped machine to the valve should be limited as far as possible. Vibrations of the assembled sprayvalve KA-2/SW caused by fast intermitting cycles require solid and massive installation.
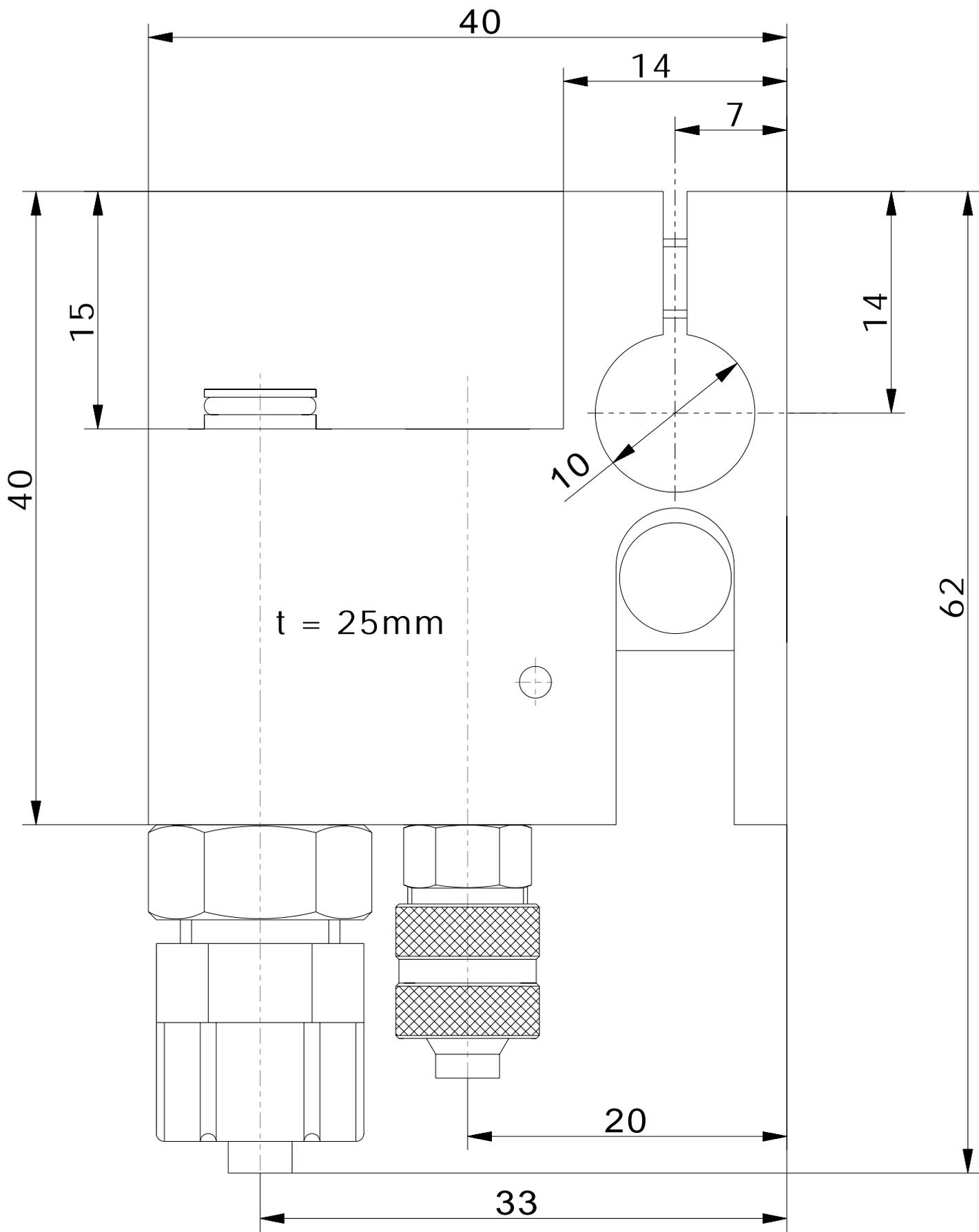
2.1 Assembly

Stick together the automatic-sprayvalve KA-2 / SW and the quick release adapter with their air- and material connections. After that fix both parts by turning the release handle to position "close". Thereafter install the three hoses (not included in delivery) to the quick release adapter as follows:
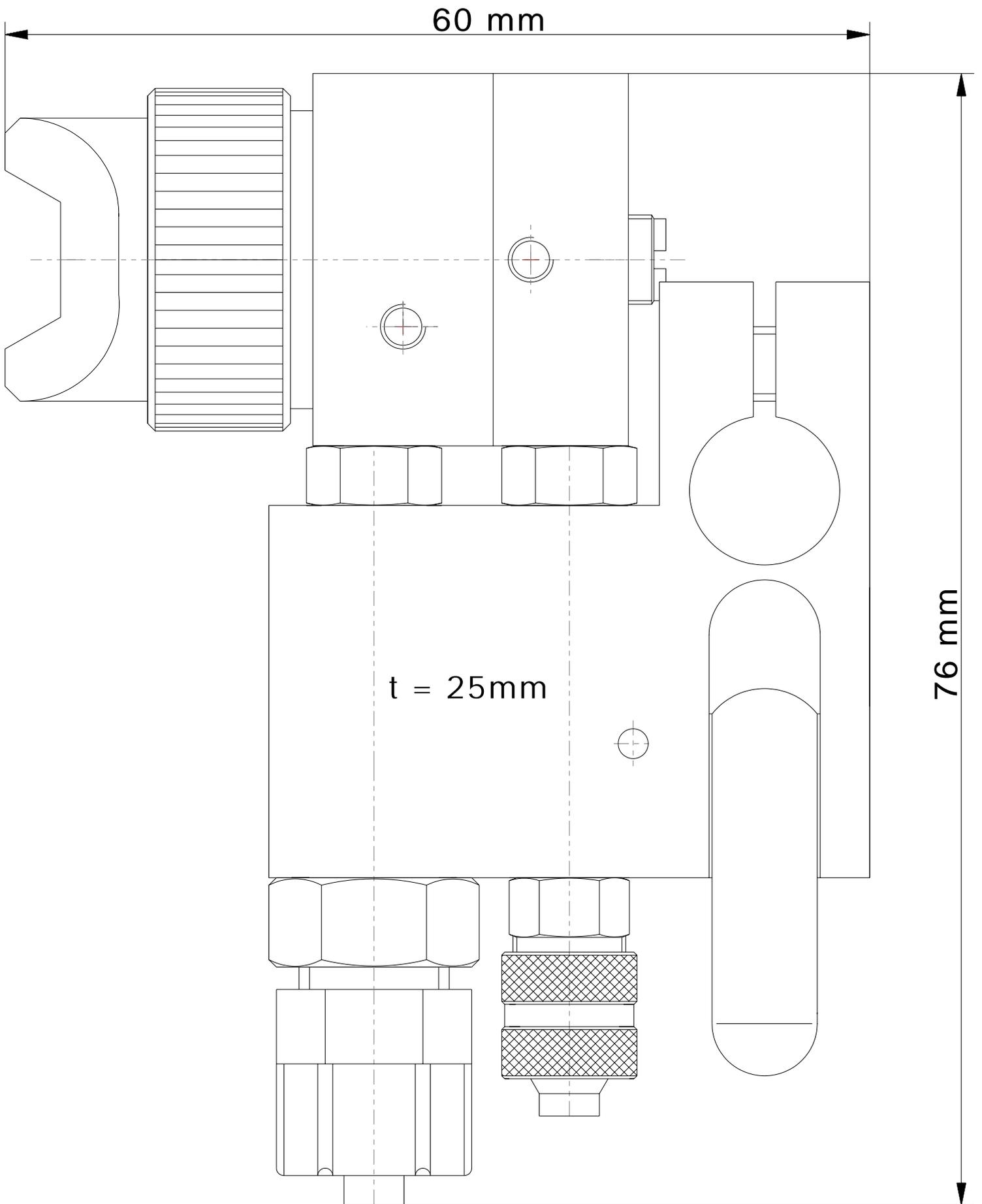
- Atomizing air (blue)
  connection Z (10.0): to 2/2-way solenoid valve
- Control air (black)
  connection S (10.0): to 3/2-way solenoid valve
- fluid / material (transparent or white)
  connection M (14.0): to material pressure tank or pump

Changing the sprayvalve KA-2 / SW (f.i. changing nozzle size, maintenance or cleaning work) can be done without disconnecting the hoses.
Only by turning the release handle the complete sprayvalve can be removed. The material supply is automatically stopped. Only the air supply (control air and atomizing air) must be switched off before loosen / turning the release handle.
In this way interruptions of work are reduced to a minimum.

40

14

7

15

40

14

62

t = 25mm

10

20

33

60 mm

76 mm

t = 25mm

Automatic spray valve KA-2 / SW

not included
in delivery

1.1

1.2

2.0

3.0

1.3

4.0

5.0

10.0

6.0

9.0

8.0

11.1

11.2

11.3

7.0

11.1

12.0

13.0

14.0
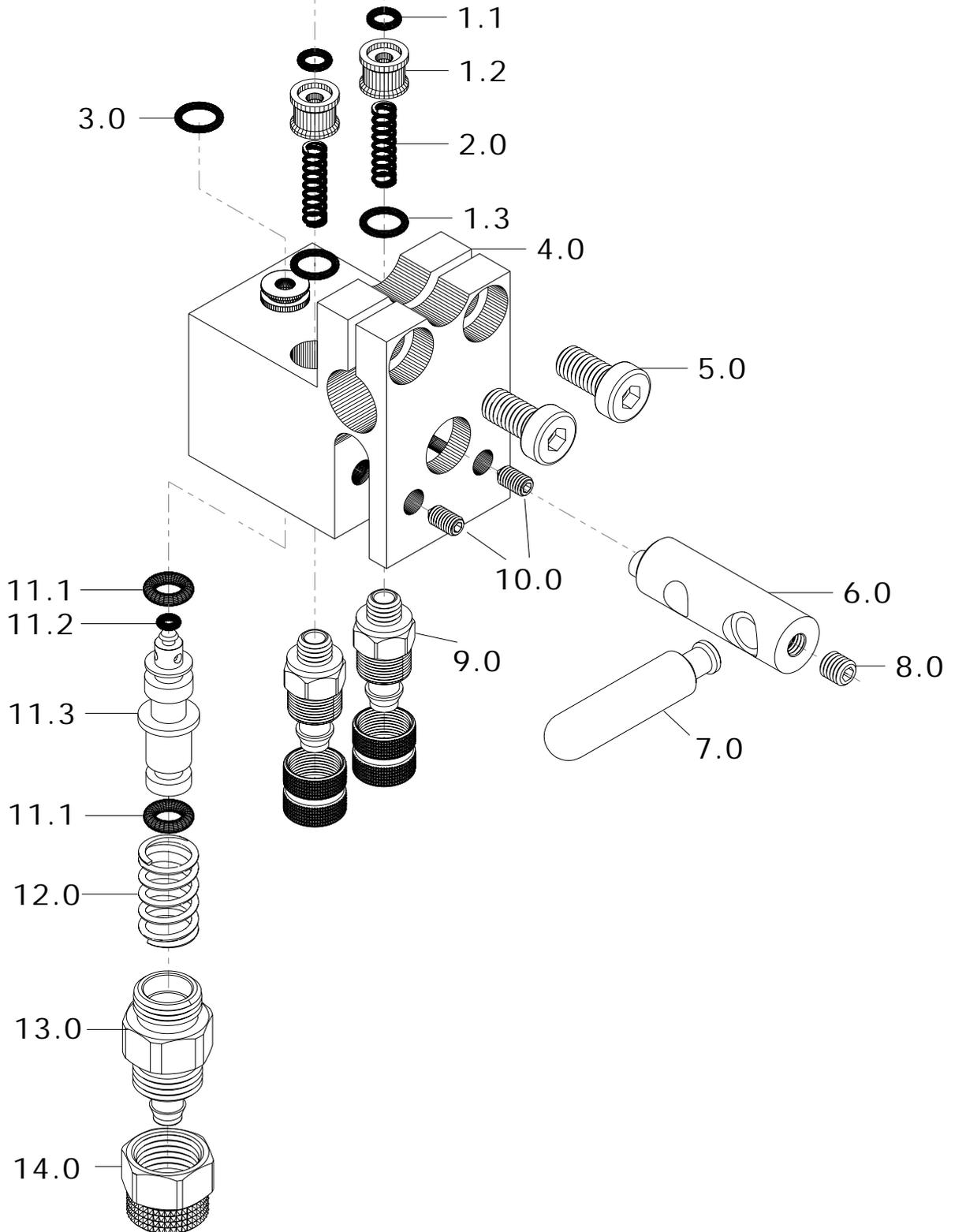
3. Spareparts list

draw.-no.:	part-no.:	qty	description
	910200	1	quick release adapter type KA 2, complete
1.0	320584	2	drum, Ø 7 x 5,7mm, complete
1.1	640000	2	o-ring 3 x 1 / Viton ®
1.2	320385	2	drum, Ø 7 x 5,7mm
1.3	640077	2	o-ring 5 x 1 / Viton ®
2.0	820007	2	spring 0,5 x 8,4mm
3.0	640077	1	o-ring 5 x 1 / Viton ®
4.0	510629	1	body, complete
5.0	610285	2	screw DIN 6912 M5 x 10
6.0	320390	1	wave, Ø 9 x 30,5mm
7.0	320391	1	release handle, Ø 7 x 32mm
8.0	610019	1	pin DIN 913 M4 x 4
9.0	220089	2	screw, complete, SW8 x 19mm
10.0	610032	2	threaded pin, DIN 914 M3 x 6
11.0	111090	1	valve needle, Ø 8,8 x 26,5mm, complete
11.1	640032	1	o-ring 3,68 x 1,78 / Viton®
11.2	640009	1	o-ring 1,5 x 1 / Viton®
11.3	111089	1	valve needle, Ø 8,8 x 26,5mm
12.0	820089	1	spring 1,0 x 12mm
13.0	220563	1	hose connection, wrench size 12 x 23mm, 1/8"
14.0	410098	1	cap nut, M10 x 1

4. Technical data

measurements   = approx. 62mm x 40mm x 25mm
weight   = approx. 225g

Special design on request. Technical alterations reserved. October 2008.

5. Manufacturer declaration

The **quick release adapter type KA-2** is constructed and produced by
ALFRED SCHÜTZE Apparatebau GmbH, Hannoversche Straße 69-71, 28309 Bremen-Germany
in accordance with the guidelines and standards of DIN EN 292. It can be combined with other modules
or machines, which comply to DIN EN 292, without limiting the conformity.

Place	Date	Signature of manufacturer
Bremen	08.10.2008	