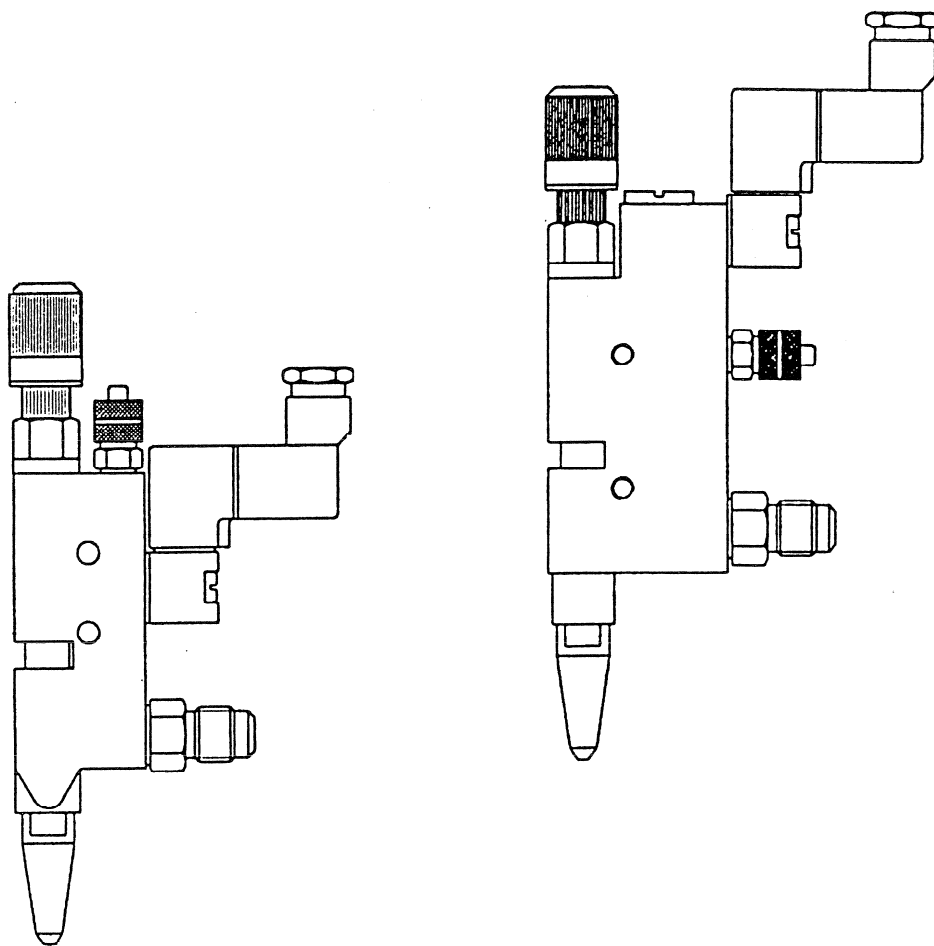




Operating Manual

Cold Glue Application Head

Dyna CV 16
and
Dyna UNI C

CV_DC_GB.DSF 9/99

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Klebertechnik

Cold Glue Application Heads Dyna CV 16 and UNI C

Product description

Scope

The Dyna CV 16 and UNI C pneumatically-controlled cold glue gun may only be used for spraying materials such as adhesives, paints, greases, varnishes or similar materials. Acids, solvents and explosive materials must not be used.

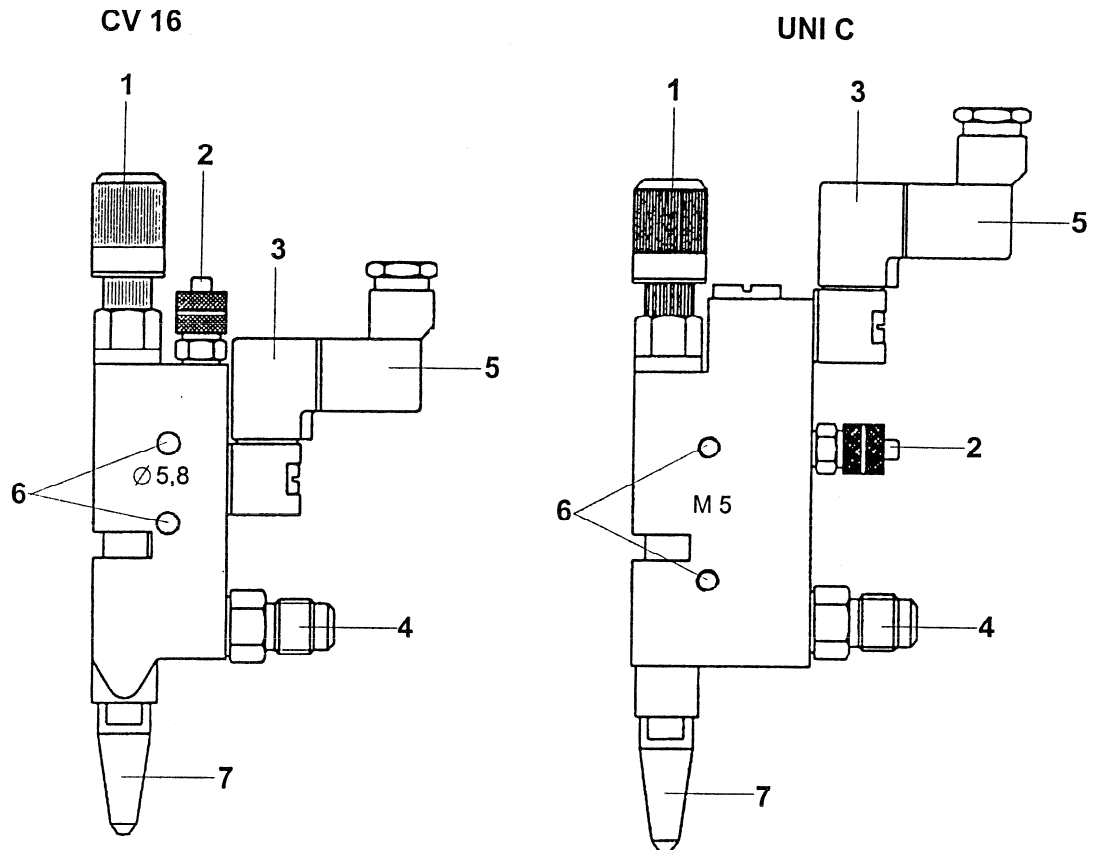
Technical data

Application method	Bead application
Application pressure	max. 30bar
Viscosity	CV 16: 1-2500 mPas UNI C: 1-6000 mPas
Cycle rate	20 cycles/s
Nozzle, needle and sealing head sizes	0.3 0.5 0.8 1.0 1.2 1.5 2.0 mm - further sizes available on request
Solenoid valve	3/2-way
Control voltage	24 V DC, 110 V DC, 220 V DC,
Weight	CV 16: 265 g, UNI C: 280 g
Noise emission	<70dB(A)

Cold Glue Application Heads Dyna CV16 and UNI C

Product description

Group list

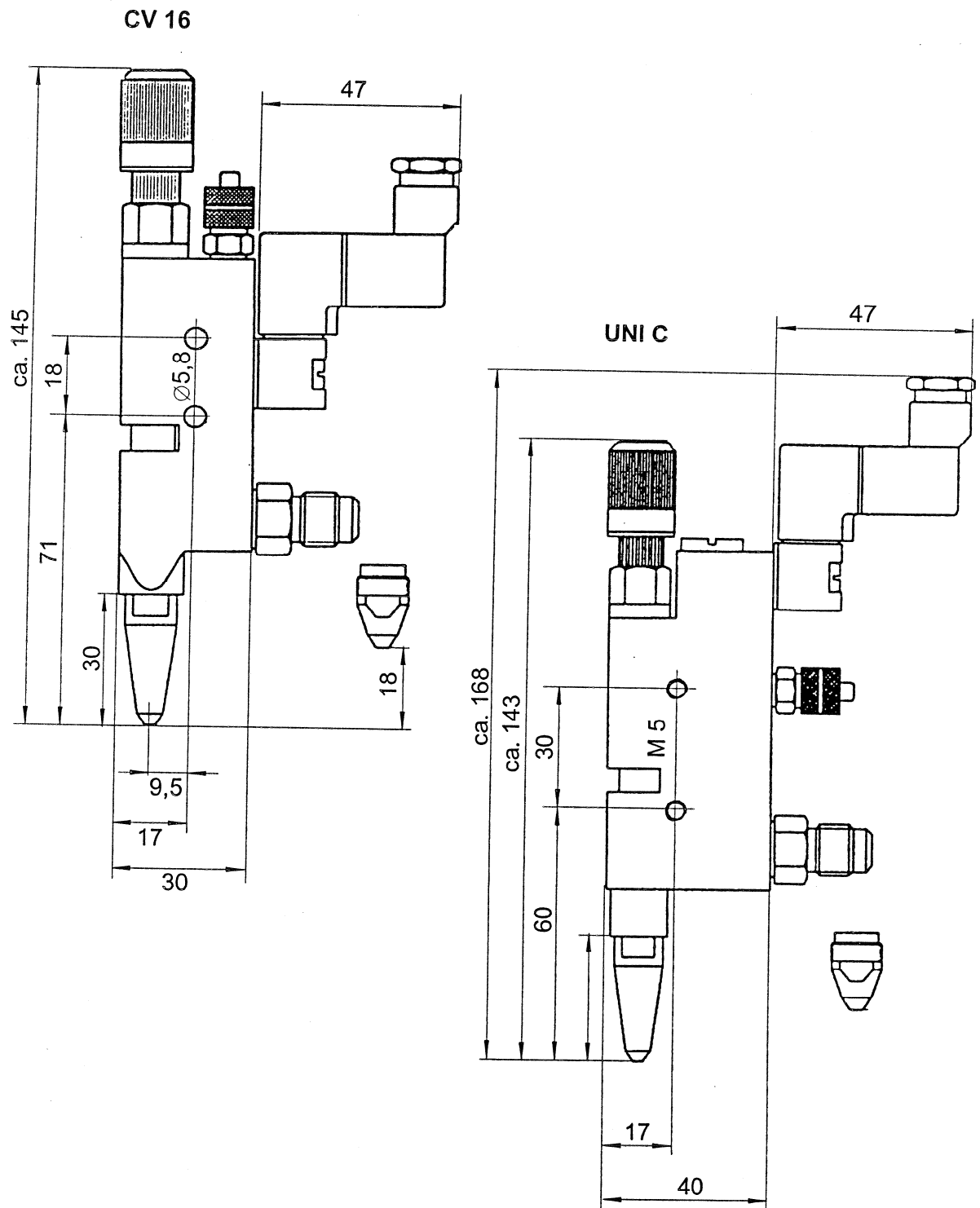


- 1 Needle stroke adjusting screw
- 2 Control air connection
- 3 3/2-way solenoid valve
- 4 Material hose connection
(High pressure: G 1/8 UNF 1/2)
(Low pressure: G 1/8-G 1/4)
- 5 Connector for solenoid valve
- 6 Fixing thread M5
- 7 Nozzle

Cold Glue Application Heads Dyna CV 16 and UNI C

Product description

Dimensioned drawing



All dimensions in mm

Cold Glue Application Heads Dyna CV16 and UNI C

Preparations for commissioning

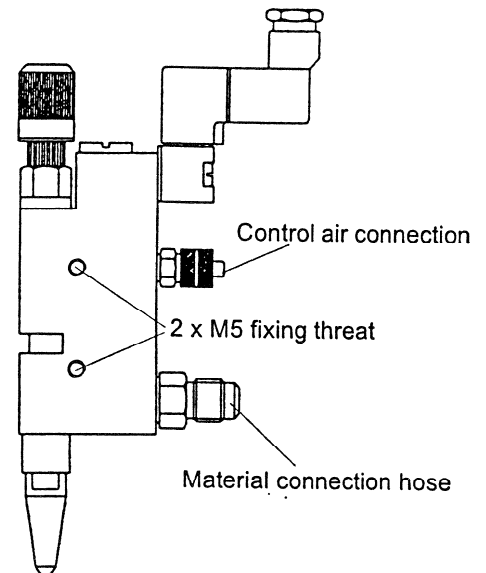
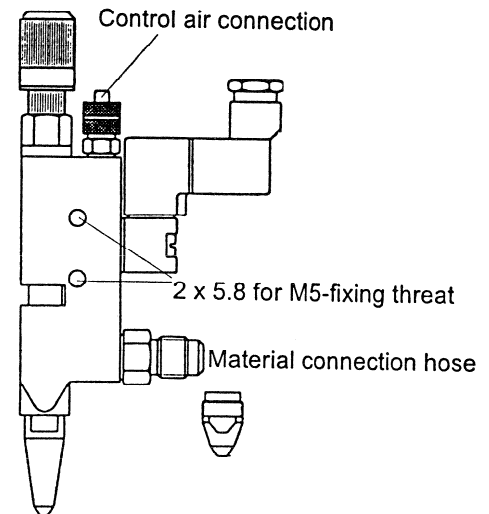
The application head may only be commissioned in conformance with ITW Dynatec specifications. Please observe our general notes on safety. Our service personnel are available to assist with commissioning if required. Please contact your ITW Dynatec representative to arrange an appointment.

Unpacking application head

1. Open the packaging and remove the application head with accessories and delivery note.
2. Check the packaging for damage immediately on receipt. The forwarding agent must be notified in the event of any damage. Compare the packaging contents with the delivery note. Any discrepancies must be reported within fourteen days. Complaints received after this time can no longer be considered.

Application head assembly

1. Ensure that the application head is fixed as rigid and as permanent as possible. This prevents vibrations of the gun in intermittent operation. The application head must not be exposed to machine vibrations.
2. Fix the application head to the holder with two M5 screws.
3. Attach the control air connection to the application head.
4. Connect the material hose.
5. Connect the solenoid valve electrically.



Cold Glue Application Heads Dyna CV 16 and UNI C

Commissioning

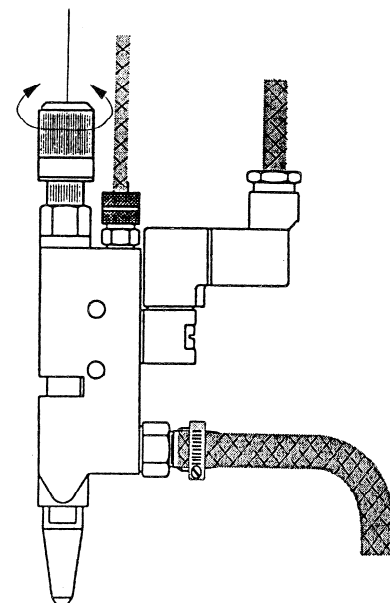
Adjustment of discharge rate

The adhesive discharge rate can be controlled by turning the knob at the needle adjusting screw. Turning clockwise reduces adhesive discharge, turning anti-clockwise increases adhesive discharge.

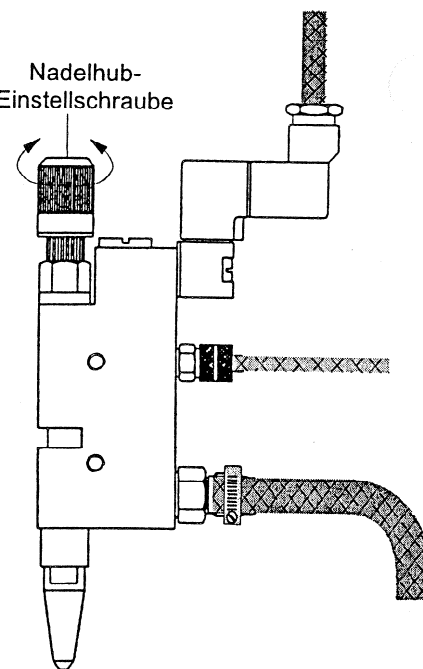


Note: The adhesive discharge rate can only be changed within a specific range.

adjusting screw



Nadelhub-
Einstellschraube



Application Heads Dyna CV 16 and UNI C

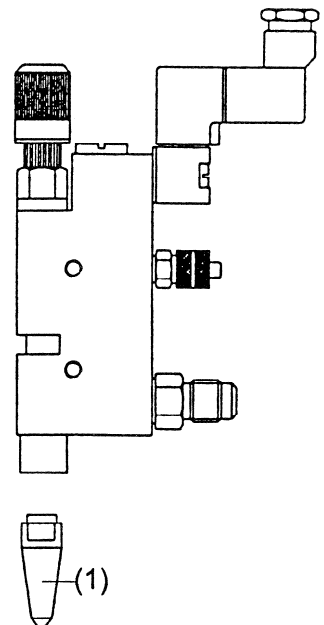
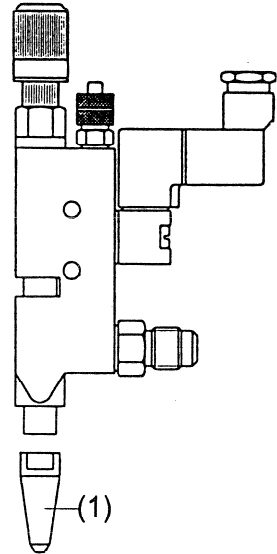
Repair and maintenance



Note: All commissioning, maintenance and repair work may only be carried out by suitably trained and authorised specialists. For these activities, our service personnel can be provided if required. Please contact your ITW Dynatec representative to arrange an appointment.

Disassembly and cleaning of spray nozzle

1. Render the system voltageless and pressureless.
2. Place a container under the gun nozzle opening and relieve the residual system pressure.
3. Unscrew the nozzle from the gun and remove it.
4. The disassembled parts can be cleaned with warm water and detergent.
5. Assembly takes place in reverse order.



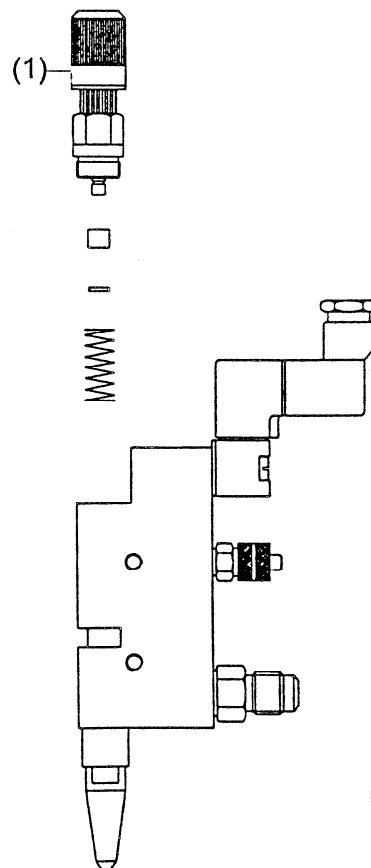
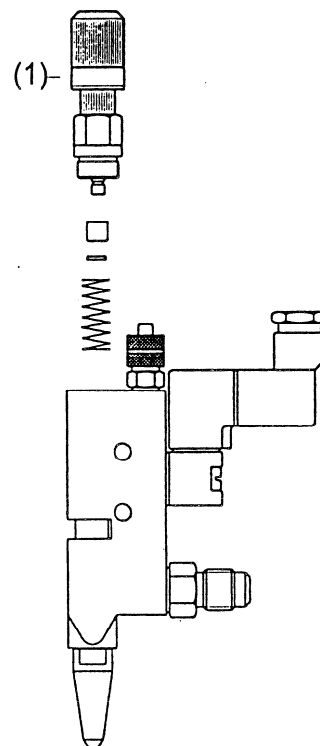
Cold Glue Application Heads Dyna CV 16 and UNI C

Repair and maintenance

Disassembly of piston shutter and seal replacement

Piston shutter

1. Render the system voltageless and pressureless.
2. Fix the cold glue gun vertically in a vice with protective jaws with the nozzle facing downwards.
3. Fully screw the needle adjusting screw into the piston shutter.
4. Unscrew the piston shutter from the housing with a size 13 open-end wrench.
5. Disassembly takes place in reverse order.

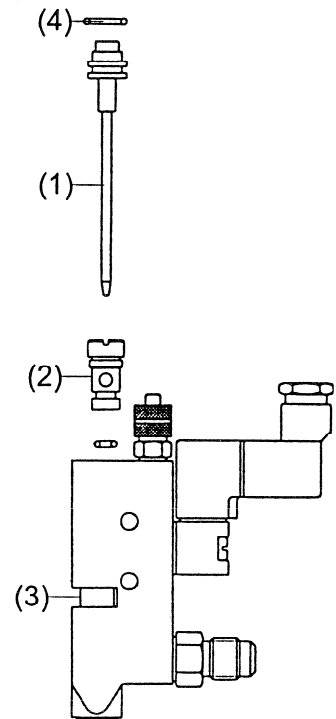


Cold Glue Application Heads Dyna CV 16 and UNI C

Repair and maintenance

Disassembly of material needle and sealing bush

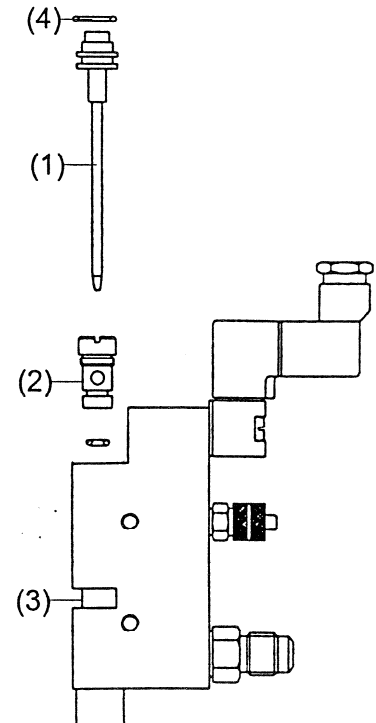
1. Render the system voltageless and pressureless.
2. Disassemble the nozzle. See chapters 5.4.1 and 5.4.2.
3. Unscrew the piston shutter from the housing with a size 13 open-end wrench. See page 5-7.
4. Push the material needle from the nozzle opening side upwards with a soft material (wood) out of the housing and change the o-ring (4)..



5. After removal of the material needle, the sealing bush can be removed.

6. Insert a flat screwdriver (blade width 10mm) from above into the groove of the sealing bush and unscrew the sealing bush.

7. Remove the lateral plastic protective cover from the housing.



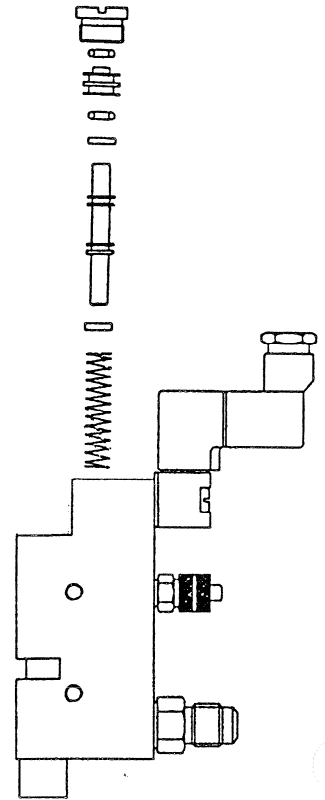
8. Assembly takes place in reverse order.

Cold Glue Application Heads Dyna CV 16 und UNI C

Repair and maintenance

Slide valve disassembly (UNI C only)

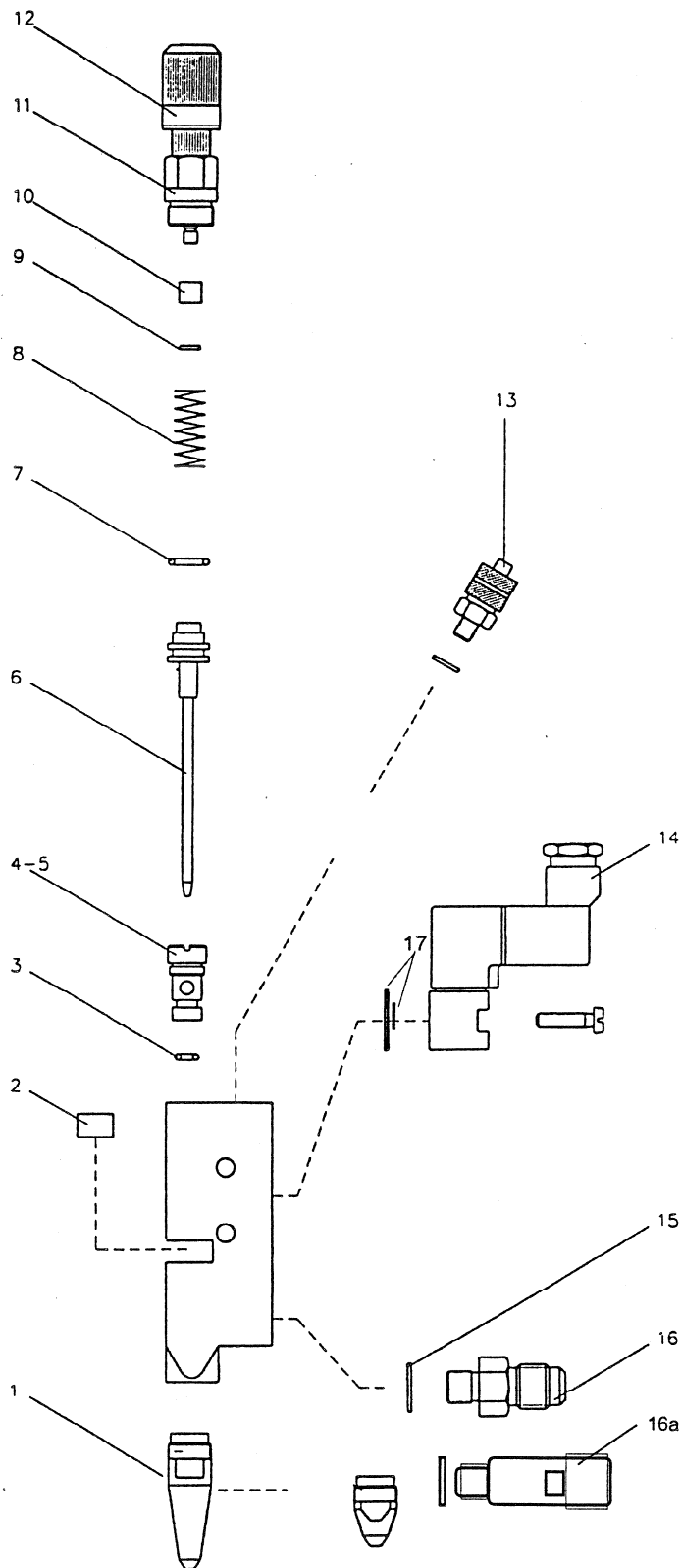
1. Render the system voltageless and pressureless.
2. Unscrew the plug from the housing.
3. Remove Piston, Slide, Quadring und Spring.
4. Remove Piston, Slide, Quadring und Spring.
5. Change the Sealings.
6. Assembly takes place in reverse order.



Cold Glue Application Heads Dyna CV 16 and UNI C

Spare Parts

CV 16



Cold Glue Application Heads Dyna CV 16 and UNI C

Spare Parts

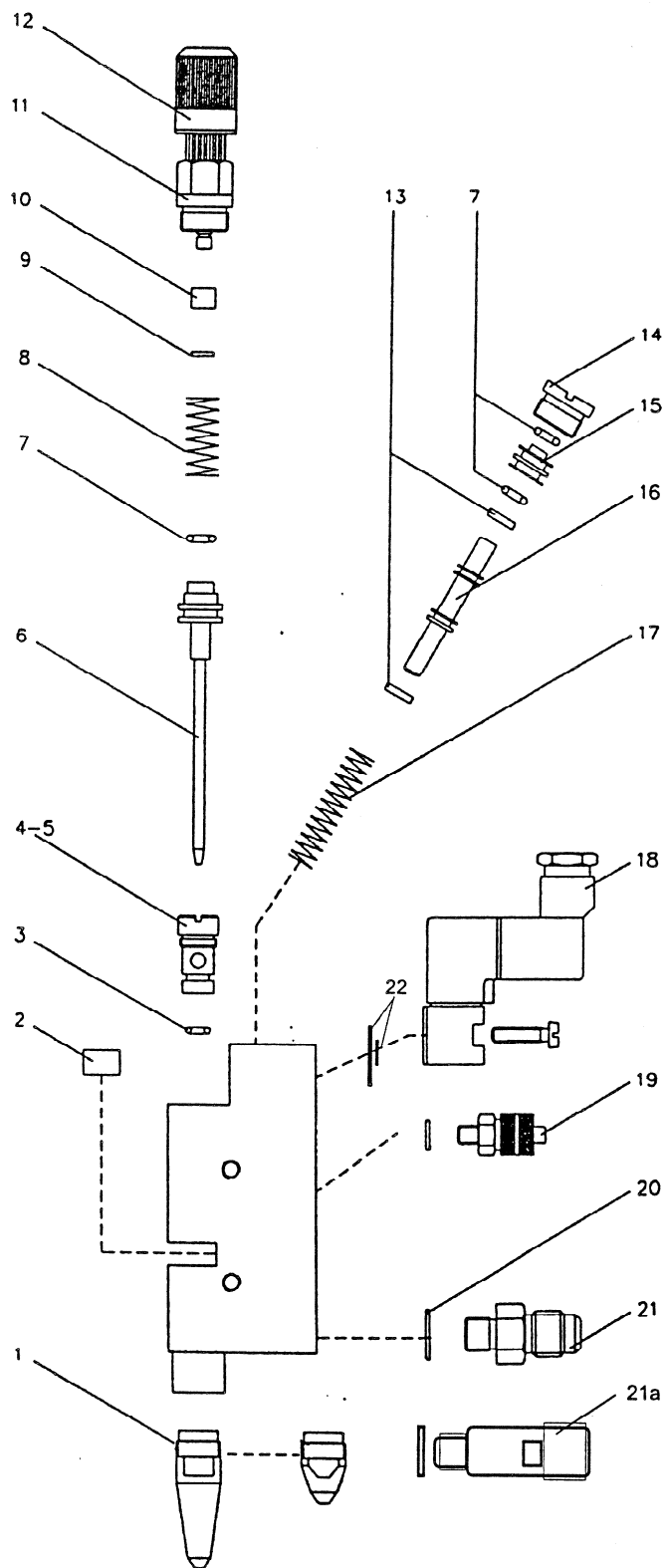
CV 16

Pos	Article-No.	Article	Quant.
1	71.01803.101	Full jet nozzle short, 0,3 mm opening	1
1	71.01803.102	Full jet nozzle short, 0,4 mm opening	1
1	71.01803.103	Full jet nozzle short, 0,5 mm opening	1
1	71.01803.105	Full jet nozzle short, 0,8 mm opening	1
1	71.01803.106	Full jet nozzle short, 1,0 mm opening	1
1	71.01803.107	Full jet nozzle short, 1,2 mm opening	1
1	71.01803.108	Full jet nozzle short, 1,5 mm opening	1
1	71.01803.111	Full jet nozzle long, 0,3 mm opening	1
1	71.01803.112	Full jet nozzle long, 0,4 mm opening	1
1	71.01803.113	Full jet nozzle long, 0,5 mm opening	1
1	71.01803.115	Full jet nozzle long, 0,8 mm opening	1
1	71.01803.116	Full jet nozzle long, 1,0 mm opening	1
1	71.01803.117	Full jet nozzle long, 1,2 mm opening	1
1	71.01803.118	Full jet nozzle long, 1,5 mm opening	1
2	71.00803.236	Plastic protective cover	1
3	06.00607.010	O-ring	1
4	71.00803.237	Screwed sealing plug	1
5	71.00803.232	Set of seals, complete	1
	71.00803.233	Shaped seal	1
	06.00447.008	O-ring, inner	1
	06.00290.006	O-ring, outer	1
6	71.01803.121	Material needle for Full jet nozzle short, 0,3 mm	1
6	71.01803.122	Material needle for Full jet nozzle short, 0,4 mm	1
6	71.01803.123	Material needle for Full jet nozzle short, 0,5 mm	1
6	71.01803.125	Material needle for Full jet nozzle short, 0,8 mm	1
6	71.01803.126	Material needle for Full jet nozzle short, 1,0 mm	1
6	71.01803.127	Material needle for Full jet nozzle short, 1,2 mm	1
6	71.01803.128	Material needle for Full jet nozzle short, 1,5 mm	1
6	71.01803.131	Material needle for Full jet nozzle long, 0,3 mm	1
6	71.01803.132	Material needle for Full jet nozzle long, 0,4 mm	1
6	71.01803.133	Material needle for Full jet nozzle long, 0,5 mm	1
6	71.01803.135	Material needle for Full jet nozzle long, 0,8 mm	1
6	71.01803.136	Material needle for Full jet nozzle long, 1,0 mm	1
6	71.01803.137	Material needle for Full jet nozzle long, 1,2 mm	1
6	71.01803.138	Material needle for Full jet nozzle long, 1,5 mm	1
7	06.00765.011	O-ring, piston	3
8	71.01803.141	Needle spring	1
9	71.07803.147	Washer	1
10	71.01803.148	Stud	1
11	71.01803.143	Needle Stroke Screw	1
12	71.01803.144	Needle Stroke Head	1
	71.01803.142	Needle shutter complete	1
13	07.00500.105	Control air connection M5-6/4	1
14	07.92024.701	3/2 way solenoid valve 24 V	1
14	07.92110.701	3/2 way solenoid valve 110 V	1
14	07.92200.701	3/2 way solenoid valve 230 V	1
15	02.11050.483	Cu-washer	1
16	70.04000.122	Material connection high pressure G 1/8-UNF 1/2	1
16a	73.00500.128	Material connection low pressure G 1/8-G 1/4 (incl. Pos. 15)	1
17	07.92024.001	Frame and seal	1

Cold Glue Application Heads Dyna CV 16 and UNI C

Spare Parts

UNI C



Cold Glue Application Heads Dyna CV 16 and UNI C

Spare Parts

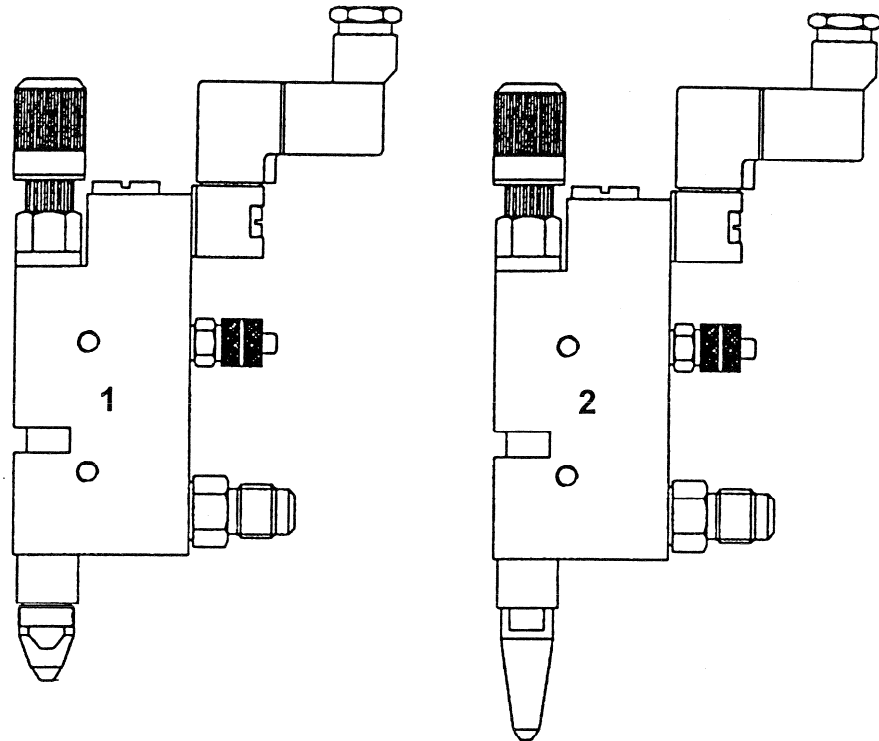
UNI C

Pos	Article-No.	Article	Quant.
1	71.01803.101	Full jet nozzle short, 0,3 mm opening	1
1	71.01803.102	Full jet nozzle short, 0,4 mm opening	1
1	71.01803.103	Full jet nozzle short, 0,5 mm opening	1
1	71.01803.105	Full jet nozzle short, 0,8 mm opening	1
1	71.01803.106	Full jet nozzle short, 1,0 mm opening	1
1	71.01803.107	Full jet nozzle short, 1,2 mm opening	1
1	71.01803.108	Full jet nozzle short, 1,5 mm opening	1
1	71.01803.111	Full jet nozzle long, 0,3 mm opening	1
1	71.01803.112	Full jet nozzle long, 0,4 mm opening	1
1	71.01803.113	Full jet nozzle long, 0,5 mm opening	1
1	71.01803.115	Full jet nozzle long, 0,8 mm opening	1
1	71.01803.116	Full jet nozzle long, 1,0 mm opening	1
1	71.01803.117	Full jet nozzle long, 1,2 mm opening	1
1	71.01803.118	Full jet nozzle long, 1,5 mm opening	1
2	71.00803.236	Plastic protective cover	1
3	06.00607.010	O-ring	1
4	71.00803.237	Screwed sealing plug	1
5	71.00803.232	Set of seals, complete	1
	71.00803.233	Shaped seal	1
	06.00447.008	O-ring, inner	1
	06.00290.006	O-ring, outer	1
6	71.01803.121	Material needle for Full jet nozzle short, 0,3 mm	1
6	71.01803.122	Material needle for Full jet nozzle short, 0,4 mm	1
6	71.01803.123	Material needle for Full jet nozzle short, 0,5 mm	1
6	71.01803.125	Material needle for Full jet nozzle short, 0,8 mm	1
6	71.01803.126	Material needle for Full jet nozzle short, 1,0 mm	1
6	71.01803.127	Material needle for Full jet nozzle short, 1,2 mm	1
6	71.01803.128	Material needle for Full jet nozzle short, 1,5 mm	1
6	71.01803.131	Material needle for Full jet nozzle long, 0,3 mm	1
6	71.01803.132	Material needle for Full jet nozzle long, 0,4 mm	1
6	71.01803.133	Material needle for Full jet nozzle long, 0,5 mm	1
6	71.01803.135	Material needle for Full jet nozzle long, 0,8 mm	1
6	71.01803.136	Material needle for Full jet nozzle long, 1,0 mm	1
6	71.01803.137	Material needle for Full jet nozzle long, 1,2 mm	1
6	71.01803.138	Material needle for Full jet nozzle long, 1,5 mm	1
7	06.00765.011	O-ring, piston	3
8	71.01803.141	Needle spring	1
9	71.07803.147	Washer	1
10	71.01803.148	Stud	1
11	71.01803.143	Needle Stroke Screw	1
12	71.01803.144	Needle Stroke Head	1
	71.01803.142	Needle shutter complete	1
13	07.01803.154	Quadrant	2
14	07.01803.149	Screwed sealing plug	1
15	71.01803.152	Rear piston	1
16	71.01803.155	Front slide part	1
17	71.01803.156	Spring for slider	1
18	07.92024.701	3/2 way solenoid valve 24 V	1
18	07.92110.701	3/2 way solenoid valve 110 V	1
18	07.92200.701	3/2 way solenoid valve 230 V	1
19	07.00500.105	Control air connection M5-6/4	1
20	02.11050.483	Cu-washer	1
21	70.04000.122	Material connection high pressure G 1/8-UNF 1/2	1
21a	73.00500.128	Material connection low pressure G 1/8-G 1/4 (incl. Pos. 20)	1
22	07.92024.001	Frame and seal	1

Cold Glue Application Heads Dyna CV 16 and UNI C

Spare Parts

Dyna UNI C complete



Pos	Art.-No.	Article
1	71.01803.711	Dyna UNI C with full jet nozzle short, 0.3 mm (without solenoid valve)
1	71.01803.712	Dyna UNI C with full jet nozzle short, 0.4 mm (without solenoid valve)
1	71.01803.713	Dyna UNI C with full jet nozzle short, 0.5 mm (without solenoid valve)
1	71.01803.715	Dyna UNI C with full jet nozzle short, 0.8 mm (without solenoid valve)
1	71.01803.716	Dyna UNI C with full jet nozzle short, 1.0 mm (without solenoid valve)
1	71.01803.718	Dyna UNI C with full jet nozzle short, 1.5 mm (without solenoid valve)
2	71.01803.701	Dyna UNI C with full jet nozzle long, 0.3 mm (without solenoid valve)
2	71.01803.702	Dyna UNI C with full jet nozzle long, 0.4 mm (without solenoid valve)
2	71.01803.703	Dyna UNI C with full jet nozzle long, 0.5 mm (without solenoid valve)
2	71.01803.705	Dyna UNI C with full jet nozzle long, 0.8 mm (without solenoid valve)
2	71.01803.706	Dyna UNI C with full jet nozzle long, 1.0 mm (without solenoid valve)
2	71.01803.707	Dyna UNI C with full jet nozzle long, 1.2 mm (without solenoid valve)
2	71.01803.708	Dyna UNI C with full jet nozzle long, 1.5 mm (without solenoid valve)
2	71.01803.709	Dyna UNI C with full jet nozzle long, 2.0 mm (without solenoid valve)

Cold Glue Application Heads Dyna CV16 and UNI C

Changes

Released: 3/98

Changed:

Date	Page
9/98	5-1, 5-4, (5-14 inserted)
9/99	5-11, 5-13