

Supplement

Service set 2342839 (SSt) / 2342335 (TC) / 2371830 (TC-1.4404)

1 SAFETY INSTRUCTIONS

WARNING

Incorrect maintenance/repair!

Danger to life and equipment damage.

- Only a WAGNER service center or a suitably trained person may carry out repairs and replace parts.
- Only repair and replace parts that are listed in the "Spare parts" chapter and that are assigned to the device.
- Before all work on the device and in the event of work interruptions:
 - Relieve the pressure from the device.
 - Secure the spray gun against actuation.
 - Switch off the energy and compressed air supply.
 - Disconnect the control unit from the mains.
- Observe the operating and service manual for all work.



This supplement only contains information regarding the contents of the service set.

- Further information such as operation, repair and maintenance as well as safety notices for them are included in the operating manual (For order no., see Chapter 1.1).

This equipment can be dangerous if it is not operated in accordance with the operating manual.

Compliance with the operating manual constitutes an integral component of the warranty agreement.

1.1 OPERATING MANUAL

This **DN 2.6 paint and dosing valve** operating manual is available in the following languages:

Language	Order no.
German	2343270
English	2343275
French	2343276
Italian	2343277
Spanish	2343278

Additional languages on request or at: www.wagner-group.com

2 SCOPE OF DELIVERY

2.1 SERVICE SET SST / TC / TC-1.4404

→ **SSt or TC**: Note the designation on the valve.

A) Service set SSt: order no. 2342839

→ One service set is enough for a double valve.

b) Service set TC: order no. 2342335

→ One service set is enough for a double valve.

C) Service set TC-1.4404: order no. 2371830

→ One service set is enough for a double valve.

Scope of delivery:

				SSt	TC	TC-1.4404
Pos	K	Stk	Designation	Order no.	Order no.	Order no.
5	◆	2	O-ring	9974187		
6	◆	2	Valve rod including valve ball	2342838	384120	2371829
8	◆	2	Sealing screw	350485		
9	◆	2	Stop ring	2342203		2370229
10	◆★	4	Sealing ring at front	2342204		
11	◆	2	Support ring	2342205		
12	◆★	2	Sealing collar	2342206		
13	◆	2	Sealing sleeve	2342207		
14	◆★	4	Sealing ring at rear	2342208		
18	◆	2	O-ring	9974065		
27	◆	1	O-ring	9974164		
28		1	Countersunk spax screw	2344261		

◆ = Wearing parts

★ = included in seal set 2342336 (see Chapter 2.2)

Materials:

	SSt	TC	TC-1.4404
Valve rod:	Stainless steel	Stainless steel	Stainless steel 1.4404
Valve ball:	Stainless steel	Carbide	Carbide
Stop ring:	Stainless steel	Stainless steel	Stainless steel 1.4404

The service sets can be used for the following valves:

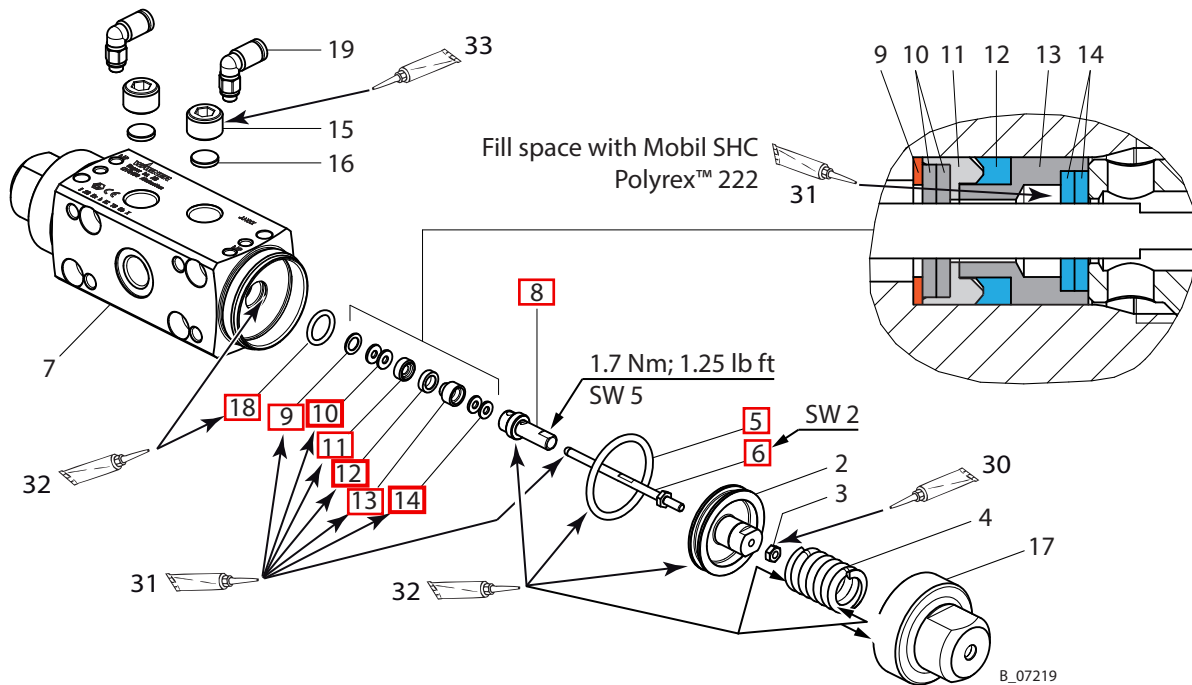
SSt	TC	TC-1.4404
PV 100-DN2.6-PTFE-SSt DV 100-DN2.6-PTFE-SSt PV 400-DN2.6-PTFE-SSt DV 400-DN2.6-PTFE-SSt	PV 100-DN2.6-PTFE-TC DV 100-DN2.6-PTFE-TC PV 400-DN2.6-PTFE-TC DV 400-DN2.6-PTFE-TC	DV 400-DN2.6-PTFE-TC-1.4404

2.2 SEAL SET**Seal set PV/DV/GA DN2.6-PTFE:** order no. 2342336

→ A seal set is sufficient for 5 double valves or 10 single valves.

Scope of delivery:

Pos	Stk	Order no.	Designation
10	20	2342204	Sealing ring at front
12	10	2342206	Sealing collar
14	20	2342208	Sealing ring at rear

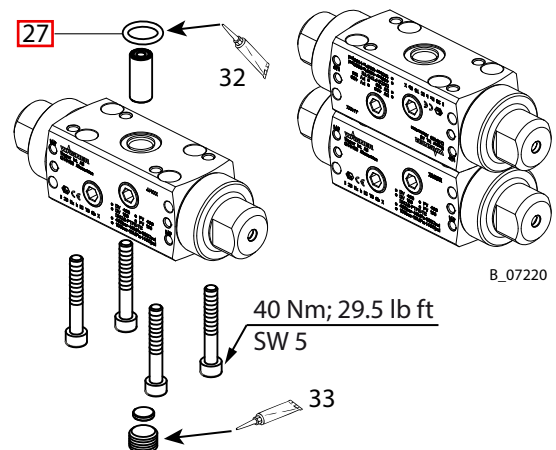
2.3 OVERVIEW**Assembly aids required**

Not included in service set:

Pos	Stk	Order no.	Designation
30	1	9992511	Loctite® 243
31	1	2342273	Mobil SHC Polyrex™ 222 grease
32	1	9998808	Mobilux® EP 2 grease
33	1	9992831	Loctite® 542

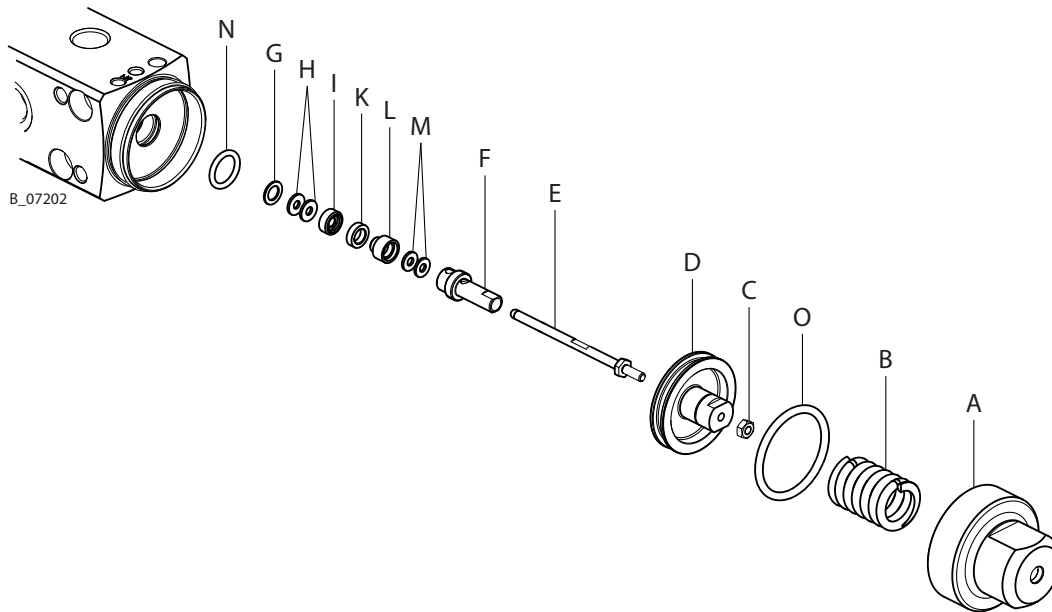
Tools

- Torque wrench
- Allen wrench SW 6
- Wrench SW 2; SW 5; SW 5.5; SW 9; SW 10 and SW 22



3 ASSEMBLY

3.1 REMOVING VALVE ROD AND VALVE ROD SEALING PACKAGE



1. Relieve the system pressure and take it out of operation.
Remove and clean valve.
2. Unscrew the tension nut (A) that is under spring pressure, remove the pressure spring (B).
3. Pull out valve rod (E) on piston (D).
Remove O-ring (O) from piston (D).
4. Use a size 5 wrench to loosen sealing screw (F) and unscrew it.
5. Carefully pull all parts of the sealing package (G, H, I, K, L, M) out of housing with the help of the wood screw (included in scope of delivery) of the service set.
6. Remove O-ring (N) from the groove.
7. If the valve rod (E) or piston (D) is damaged:
 - Hold valve rod (E) using a size 2 wrench and unscrew nut (C).
 - Unscrew valve rod (E) out of the piston (D).
8. Check parts for damage.
 - The PTFE seals at the front (H) and rear (M) as well as the sealing collar (K) should be replaced in all cases.
 - O-rings and seal sets are preferably to be replaced.

3.2 CLEANING THE PARTS AFTER DISASSEMBLY**Please note:**

- Thoroughly clean all reusable parts with a suitable cleaning agent.
- All dismantled parts have to be clean and dry after cleaning. Care should be taken that these parts remain free of solvents, grease or sweat from the hands (salt water). Perform cleaning and mounting tasks wearing gloves.
- After the cleaning, blow out the valve housing with air.
- Spare parts may have safety-relevant properties.
Only repair and replace parts that are listed in the "Spare parts" chapter of the operating manual and that are assigned to the device.
- Defective parts must always be replaced.

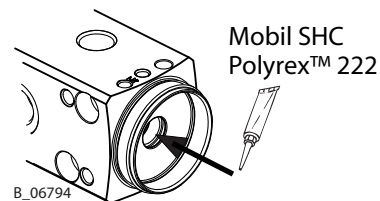
⚠ WARNING**Incompatibility of cleaning agent and working medium!**

Risk of explosion and danger of poisoning by toxic gases.

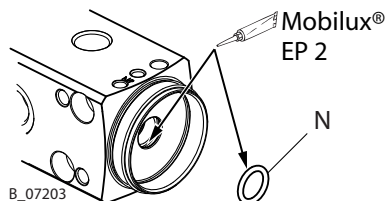
- Examine the compatibility of the cleaning agents and working media on the basis of the safety data sheets.

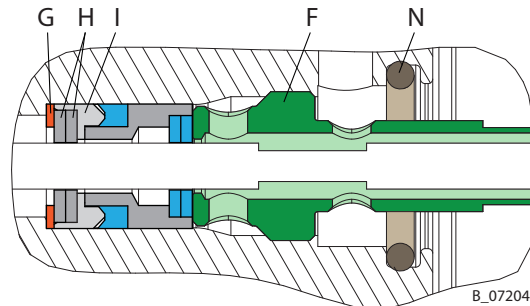
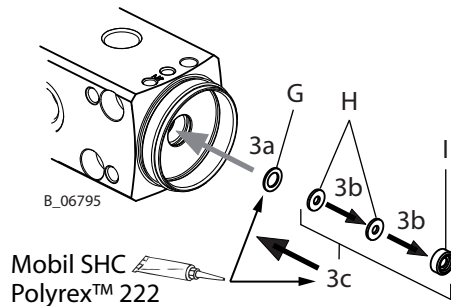
**3.3 INSTALLING THE VALVE ROD SEALING PACKAGE**

1. Grease the sealing package spaces (G, H, I, K, L, M) with Mobil SHC Polyrex™ 222.

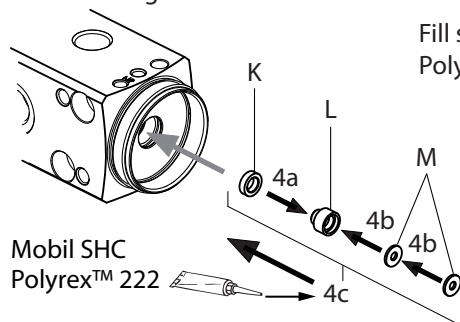


2. Grease groove with Mobilux® EP2.
Insert O-ring (N) in groove.
Grease O-ring (N) with Mobilux® EP2.

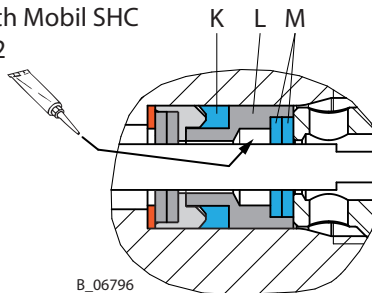




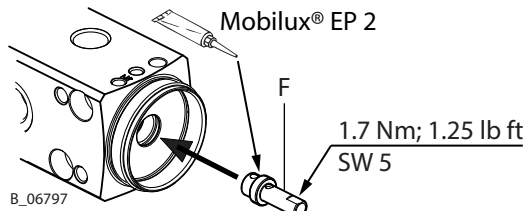
- 3a. Grease stop ring (G) with Mobil SHC Polyrex™ 222. Slide stop ring (G) into valve housing.
- 3b. Grease front sealing rings (H) and support ring (I) with Mobil SHC Polyrex™ 222. Insert front sealing rings (H) in support ring (I).
- 3c. Apply Mobil SHC Polyrex™ 222 grease to assembled parts (H, I). Slide parts (H+I) into valve housing.



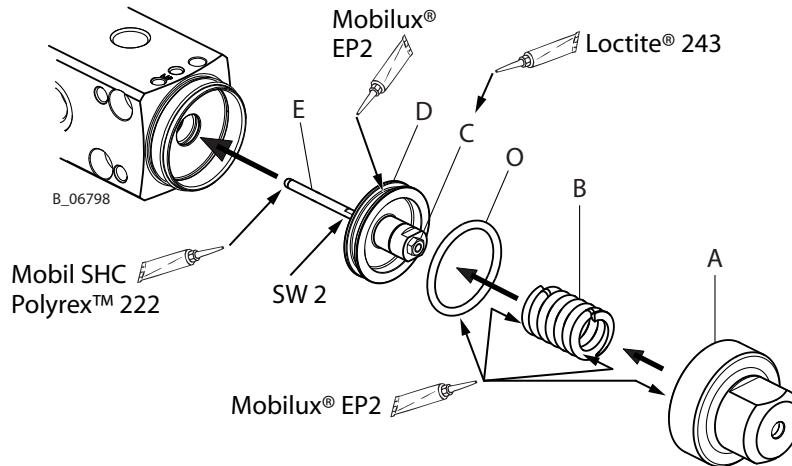
Fill space with Mobil SHC Polyrex™ 222



- 4a. Attach sealing collar (K) on sealing sleeve (L) such that the V-contour is facing in the direction of installation.
Fill space in sealing sleeve (L) with Mobil SHC Polyrex™ 222 (see figure).
- 4b. Grease rear sealing rings (M) and sealing sleeve (L) with Mobil SHC Polyrex™ 222. Insert rear sealing rings (M) in sealing sleeve (L).
- 4c. Apply Mobil SHC Polyrex™ 222 grease to outside of assembled parts (K, L, M) and slide into valve housing.



5. Grease sealing screw (F) with Mobilux® EP 2 grease.
Screw in sealing screw and tighten to 1.7 Nm; 1.25 lb ft.

3.4 INSTALLING VALVE ROD

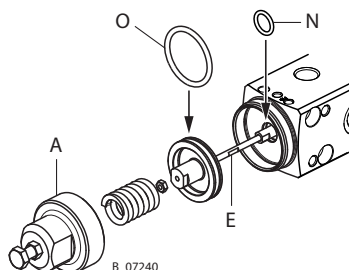
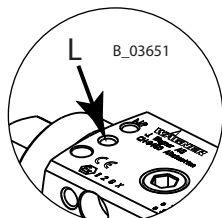
1. If the valve rod (E) or piston (D) needs replacing:
 - Screw piston (D) and valve rod (E) together until stop.
 - Secure nut (C) with Loctite® 243.
 Hold the valve rod (E) using a size 2 wrench, screw on nut (C) and tighten.
2. Apply Mobil SHC Polyrex™ 222 grease to the tip of valve rod (E).
3. Piston (D): Generously grease groove with Mobilux® EP2.
Insert O-ring (O) in groove (D).
4. Slide valve rod with piston into valve housing.
5. Grease the already inserted O-ring (O) with Mobilux® EP2.
6. Grease front surface of the pressure spring (B) with Mobilux® EP2.
Attach pressure spring (B) to piston (D).
7. Apply Mobilux® EP2 grease to thread and internal space of tension nut (A).
Screw on tension nut (A) and tighten.

4 COMMISSIONING

Inbetriebnahme gemäss Betriebsanleitung durchführen.

5 TROUBLESHOOTING

Leakage hole (L):



Malfunction	Cause	Remedy
No product transportation	Valve does not open.	Check the control air hoses. Replace piston seals (O).
	Travel adjustment set too low (dosing valve).	Increase the travel adjustment.
Contamination	Valve clogged by product.	Dismantling and cleaning.
Leakage	Cause	Remedy
Product flow at closed valve setting.	Valve does not close.	Have valve rod (E) and valve seat replaced by the WAGNER Service Department.
Air emission on tension nut (A).	Piston seal defective.	Replace O-ring (O).
Product emission from leakage hole (L).	Valve rod seals defective.	Replace valve rod seals. Dosierventile: Ev. FFKM-Dichtungen einsetzen (siehe Betriebsanleitung).
Air emission from leakage hole (L).	O-ring (N) defective.	Replace O-ring (N).



More contact addresses:

www.wagner-group.com

Subject to changes without notice

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