

Spool valve DAQ204

Installation, maintenance and
operating instructions

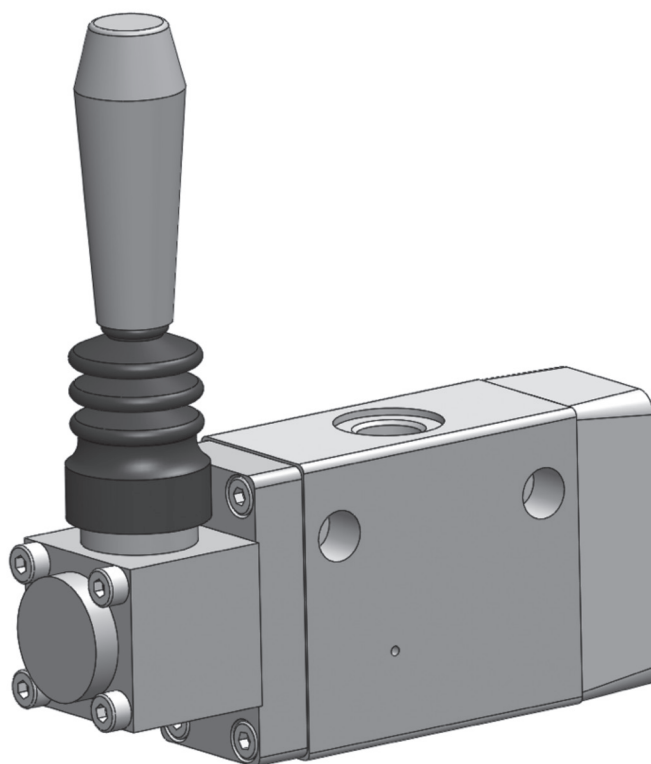


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READ THESE INSTRUCTIONS FIRST!

These instructions provide information about safe handling and operation of the valve.

If you require additional assistance, please contact the manufacturer or manufacturer's representative.

SAVE THESE INSTRUCTIONS!

Addresses and phone numbers are printed on the back cover.

4. TECHNICAL SPECIFICATION

Model	DAQ204
Operation type	Internal Pilot operated
Type	3/2 single solenoid
Port	1/4" BSP / 1/4" NPT
Operating Pressure	2.5 to 10 kg/cm ²
Coil temperature range	-10 to 50 °C
Valve body temperature range	-10 to 70 °C

5. MAINTENANCE

NOTE: The DAQ204 must be removed from installation prior to maintenance. All the connections/ports have to be disconnected prior to disassembly. All the mountings, accessories and spare parts used or replaced must be original from Valmet.

Valmet recommends "NELES M 55" grease for greasing. Apply the grease with soft brush or similar. In case of any difficulty consult Valmet distributor.

4. Install, operate and maintain as per the instructions and recommendations of this manual.
5. Any deviation from the above will cease the responsibilities of Valmet.

6. DISASSEMBLY

WARNING:

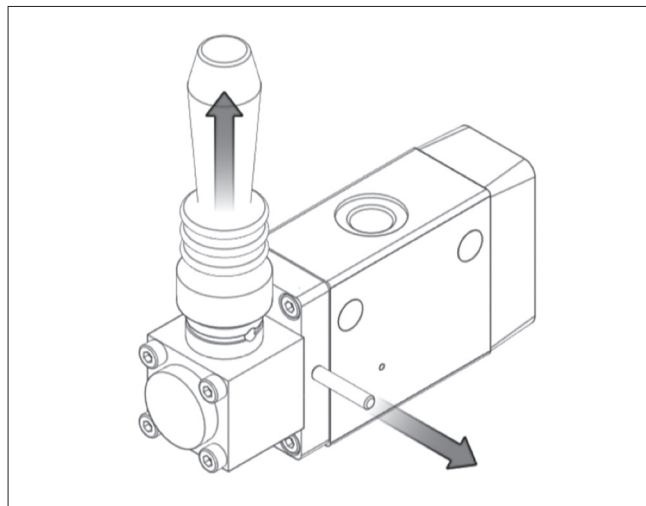
ALL ELECTRIC AND PNEUMATIC CONNECTIONS SHOULD BE REMOVED BEFORE STARTING DISASSEMBLY.

CAUTION: Do not place dismantled part on any diary/work bench but keep it on clean paper/cloth in same sequence as you have dismantled it.

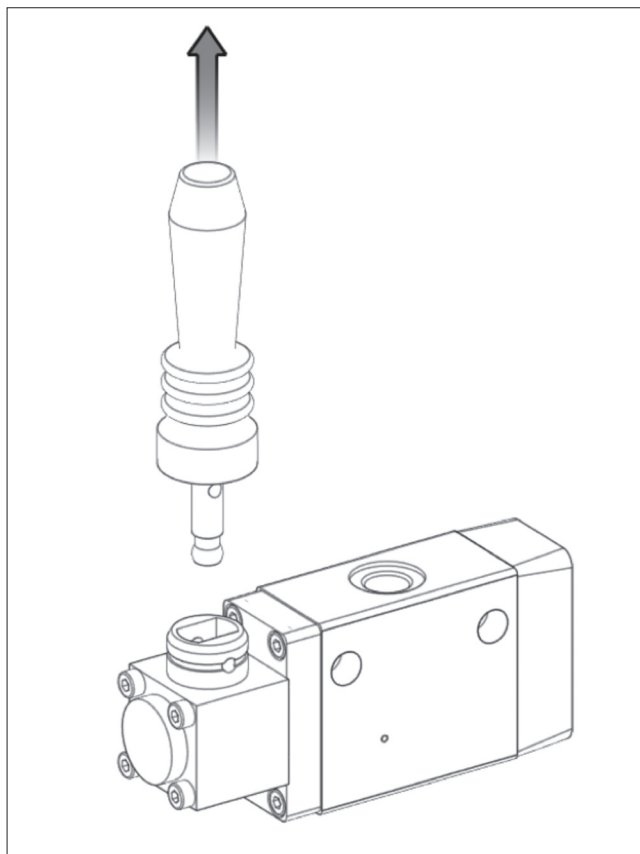
NOTE: It is advisable to replace all the rubber parts using genuine NELES spare kit. Numbers in parentheses, () indicate the bubble number (reference number) used on the NELES Assembly details and Part List.

6.1 DISASSEMBLY OF DAQ204

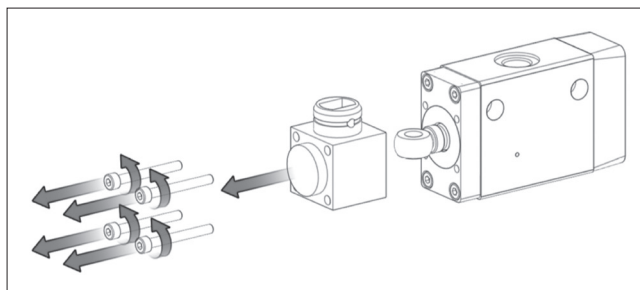
1. Lift the bellow (8) up and remove the pin (9) from bracket.



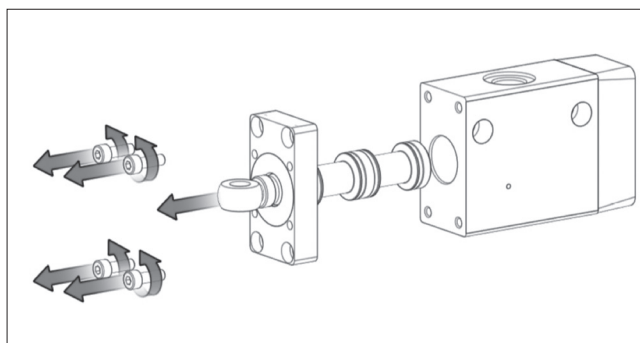
2. Remove the guide boss with knob (7) from bracket (6).



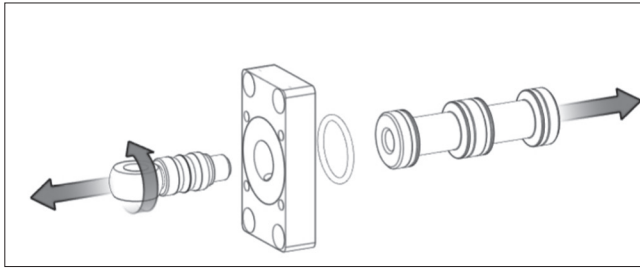
3. Remove 4 bolts (17) from bracket (6) and thereby remove the bracket (6) from body.



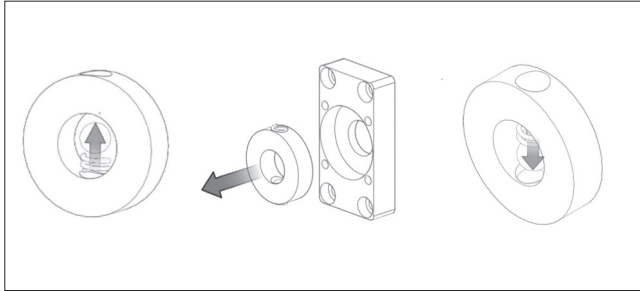
4. Remove 4 bolts (15) from cover (5) and remove the subassembly of cover (5), bush (10), ball holder (11), eye bolt (16), and spool kit (2) from the body.



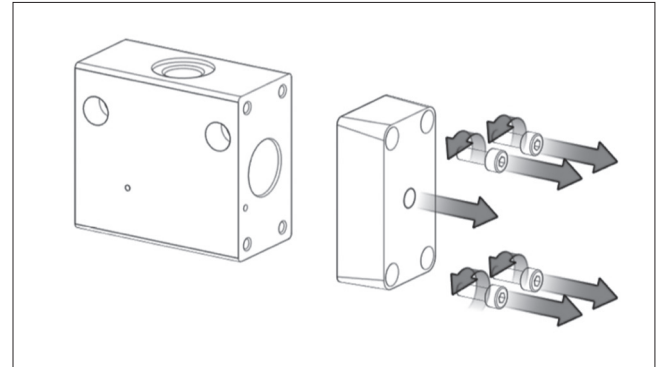
5. Separate out eye bolt (16), bush (10), spool kit (2), and O-ring (14) from the cover.



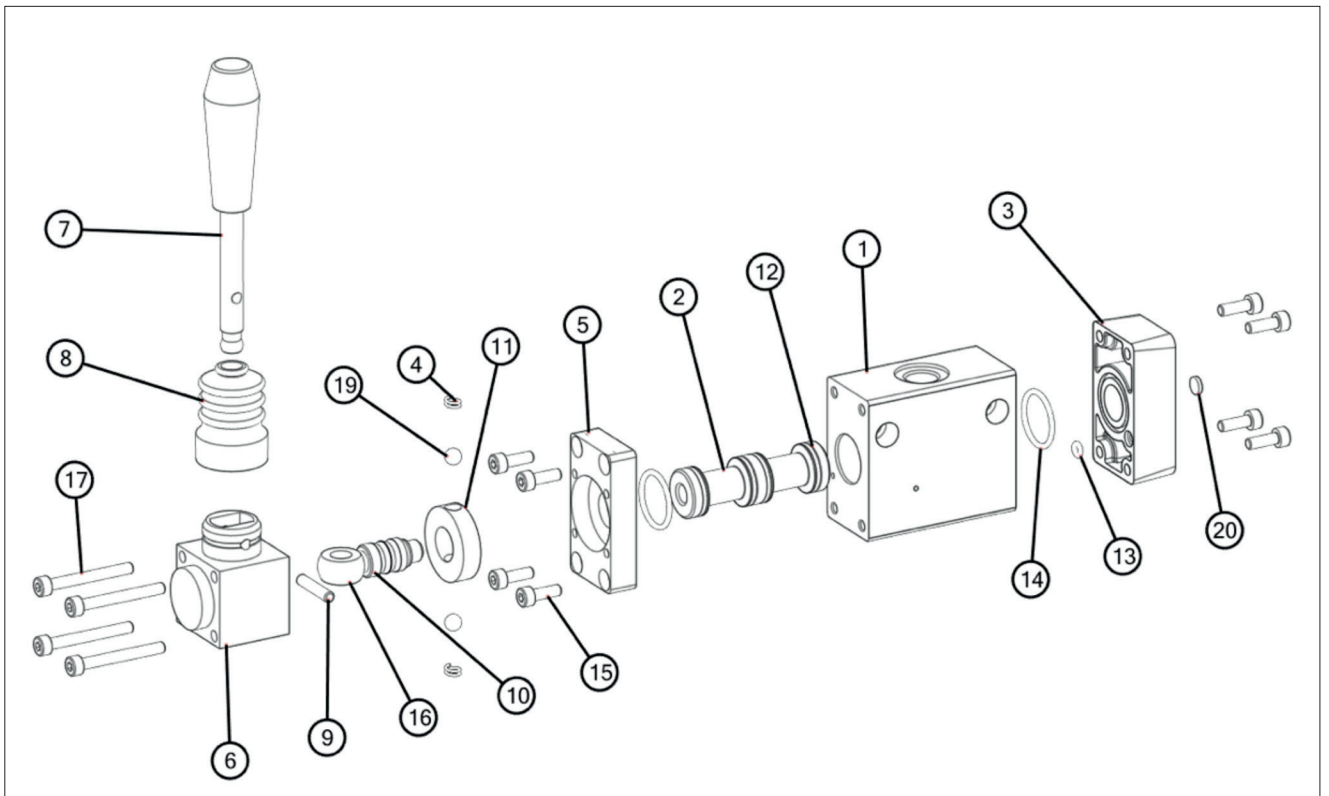
6. Separate out ball holder (11) from the cover (5) and then remove the spring (4) and ball (19) from ball holder (11).



7. Remove the 4 bolts (15) from the spring cover (3), thereby remove the spring cover (3) from the body (1).



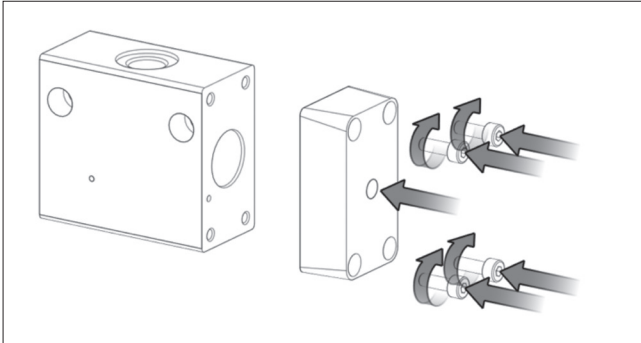
6.2 EXPLODED VIEW



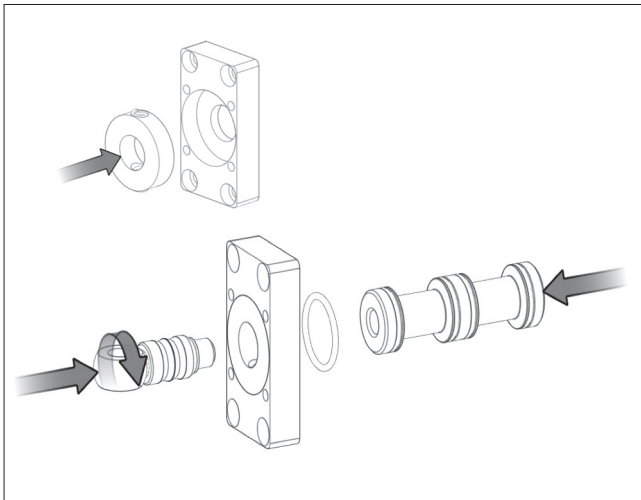
7. ASSEMBLY

NOTE: Follow the sequence as given below to ensure proper assembly.

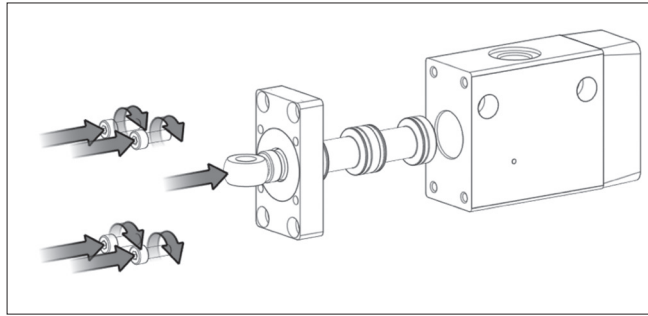
1. Clean all parts with soap water and dry.
2. Apply a layer of Valmet recommended grease to the inner face of the body (1). (grease: NELES m 55).
3. Insert seal (15) on the spool (3)
4. While inserting spool into the body applies a thin layer of grease on the seal.
5. Insert spring cover (3) into the body (1) and screw it using 4 bolts (19).



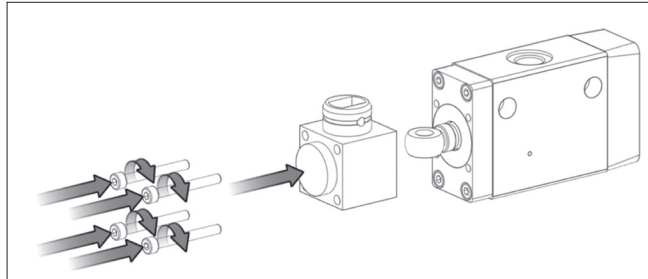
6. Separately make the assembly of ball holder, cover, spring and ball. Then use this assembly for making a subassembly of spool kit, cover, ball holder, eye bolt, O-ring and bush.



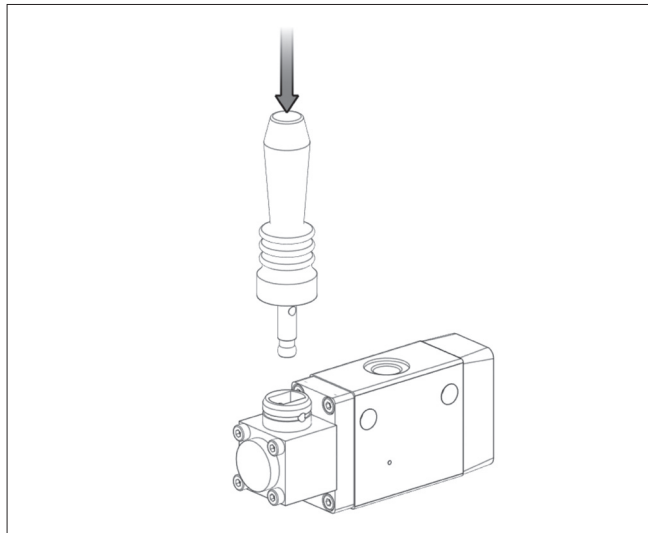
7. Now insert the above subassembly into the body and screw it with the 4 bolts.



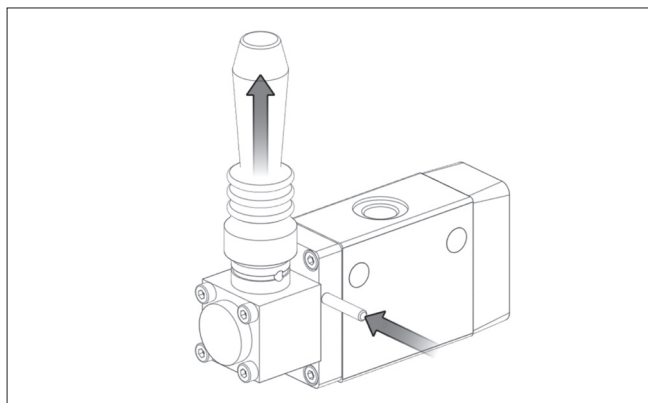
8. Place bracket on the body and screw it with the 4 bolts.



9. Insert guide boss with knob into the bracket and fit the end of the knob into the eye bolt.



10. Now just lift the bellow little up and insert the pin which passes through both bracket and knob.



7.1 PART LIST

Sr. No.	Name	Quantity
1	BODY	1
2	SPOOL	1
3	SPRING COVER	1
4	SPRING	2
5	HAND OP MTG COVER	1
6	HANDLE MTG BRACKET	1
7	GUIDE BOSS WITH KNOB	1
8	BELLOW	1
9	PIN	1
10	BUSH	1
11	BALL HOLDER	1
12	SEAL FOR SPOOL	4
13	ORING 2.57 x 1.78	2
15	DIN 912 M4 x 12 -12	8
16	DIN 444 M8 x 25 EYE BOLT	1
17	DIN 912 M4 x 35 - 20	4
18	BALL DIA 2 IS 2898	2
19	BALL DIA 6 IS 2898	2
20	FILTER	1
21	DUST CAP FOR 1/4"	3

8. PACKAGING & STORE

1. When not in use, DAQ204 ASSEMBLY should be kept in a sealed plastic bag in a cardboard box to prevent moisture or dust from contacting product.
2. DAQ204 should be stored in a dry place free from water and dust.
3. Store at temperature between 40°F and 120°F (4°C and 49°C).
4. Locate in an area to avoid damage by impact.

9. ASSISTANCE

For technical questions or assistance, contact any authorized distributor of Valmet Flow Control India Private limited or:

Valmet Flow Control Private Limited

Plot no:560 Manpada Road

Dombivli East, Maharashtra 421204

www.valmet.com/flowcontrol

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