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	RK-Needle valves	Datei: Montage-Reparatur- Anl RK-Nadelventile- EN_100504.doc

Installation, Service and Assembly Instructions for valves with inside spindle and integral seat

RK-Needle valves are maintenance-free as far as possible and allow a simple operation.

RK-Needle valves have a positive metal-to-metal seal and a manual actuation; whereby closing will be effected by rotating clockwise and opening by rotating anticlockwise.

Starting

Rust, sand and similar impurities into the product – or by the first rinse before starting – can cause leakages if they collect in the seat area. The spindle is therefore fully to open to allow a proper rinsing.

For storage reasons, the rough-pressed packing can set and its closeness can decrease. By starting, this packing is to adapt.

Adaptation

If a valve is going to be leaky in the packing, the ring nut (8) is to screw down slightly with the help of an open-end adjustable wrench clockwise and the spindle (4) is to move 2-3 times. In most cases, the packing does immediately seal again.

Change the packing

If the adaptation of the packing is not showing a good result, you will have to change the packing.

Procedure:

1. turn line system to be unpressurized, open valve
2. screw off cap nut (10); take off handwheel (9)
3. turn ring nut (8) to the top, remove stuffing box (7) at the side
4. unscrew spindle (4) to the top; package (6) will be pushed out
5. clean packing area and spindle
6. inset spindle (greased in the screw thread region) again
7. put in creased package and rings (5)
8. put in stuffing box (7)
9. screw down ring nut (8)
10. put on handwheel (9); screw on cap nut (10)

Exchange of spindle and cone

Spindle with rolled up cone is exchangeable

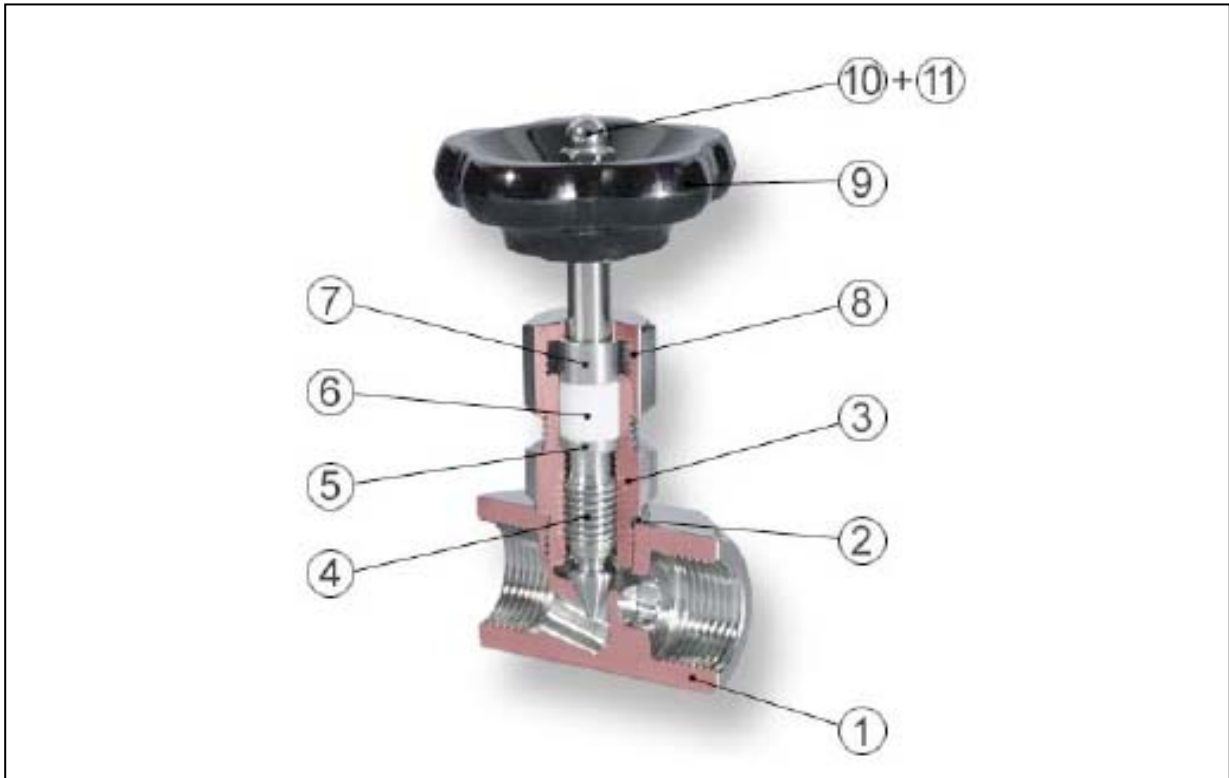
Procedure:

- same procedure as "change of packing", points 1 – 4
- if spindle screwed out, proof seat. If seat is defect, valve is useless
- re-mounting of the spindle (see "change of packing", points 5 – 10)

Provide: BNi	Approval: Roth	Date: 04.05.2010
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Annotation

For valves free of oil and grease use admitted lubricant and package.



Pos.	Part
1	body
2	seal ring
3	bonnet
4	spindle
5	ring
6	packing

Pos.	Part
7	stuffing box
8	ring nut
9	hand wheel
10	nut
11	washer