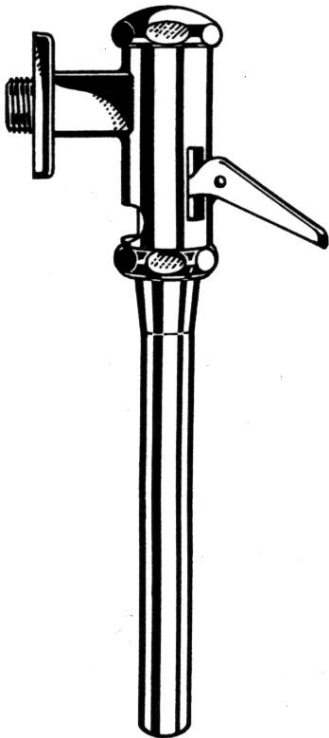


# INSTALLATION AND SERVICE MANUAL

## NIL – D 69 URINAL FLUSHER



### Installation- and Operating - Instructions

WC-flusher	Order-no.	Connection Thread size	Flow Pressure	Flush-pipe diam.
D 69	430	DN 15 1/2"	1,2 – 4,0 bar	18 mm

### INSTALLATION

Riser pipe: According to the regulations for the calculation of cold-water pipes in plumbing systems as set out by the DVGW. Please also observe local regulations.

Purge the water mains before installation of flusher. Install flusher with a 24mm spanner.

### Water - saving made easy

#### Adjustment of the flush-volume (A)

Factory pre-setting: 2,5 l – 3,5 l at a flow-pressure of 2.5 bar and operating time of 1 second.

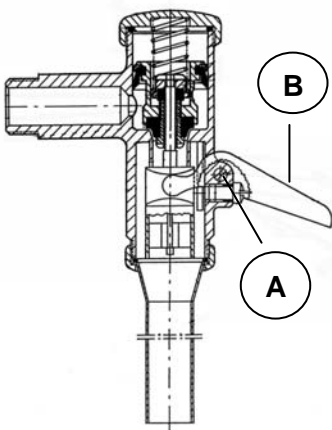
**To increase** the flush volume turn the adjustment screw 10 clockwise.

**To decrease** the flush volume turn the adjustment screw 10 counter-clockwise.

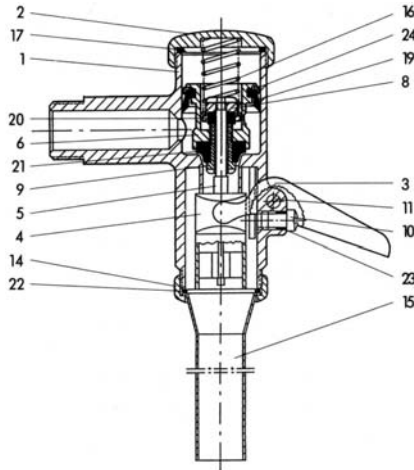
#### Proportioning of the flush volume (B)

**To decrease** the flush volume only press the operating lever 3 down lightly and for a short time.

**To increase** the flush volume press the operating lever 3 down for a longer time.



## Operation and Operating Principle



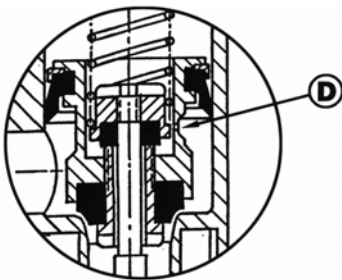
16 The operating lever 3 is pressed. This causes the lifting sleeve to rise and the 24 auxiliary valve 8 to open and be pushed against the piston spring. This in turn 19 relieves the areas above and inside the piston of pressure. The operating lever 8 causes the piston to be pushed fully upwards. The flushing process has now begun.

11 The operating lever is now released. This causes the auxiliary valve to close 10 the piston chamber. This now fills with water via the pressure balance bore, this 23 process causes the piston to be pressed down against the valve seat, the 15 pressure in the piston chamber now gradually builds up to the prevailing mains pressure. The flushing process is now complete.

## Spare parts

430/6K	<b>Complete Piston</b> (piston 6, piston-nipple 9, piston lip-seal 19, piston-seal 21, lip-seal retaining ring 24)
430/8K	<b>Complete Auxiliary Valve</b> (auxiliary valve 8, auxiliary valve seal 20)
430/14	Outlet nut 14
430/15	Flush pipe $\varnothing 18 \times \varnothing 16,5 \times 190$ mm
430/51	<b>Set of Seals</b>

## Servicing and Trouble Shooting



1. **Flusher flows continuously** – Remove and clean the main piston:

Unscrew cover cap 2, unscrew auxiliary valve 8 and then take the main piston out of the flusher body. Now clean all parts thoroughly. Clean the pressure balance bore with a “NIL” bore-cleaning needle.

2. **Flusher does not supply enough water, or operating time is too short:**

Adjust throttle screw 12 – Replace piston sleeve 19.

**D** = Pressure-Balance Bore (Jet-Bore)

**The efficient way to carry out repairs: “NIL” spare-part sets.**

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