1. Method for water pressure regulation or control in a pressure zone in which the flow pressure is adapted to the relevant extraction station (2, 2a) after detection of water extraction or a fault in the extraction station (2, 2a) by setting the highest permissible supply pressure setpoint value for this extraction station (2, 2a), wherein this is carried out at least dependent on the geodetic height (9) of the extraction station (2, 2a) by speed-controlling or speed-regulating a pump drive containing the pump (4) which supplies the extraction station (2, 2a) with water,
characterised in that

- where water extraction is detected at at least one further extraction station (2, 2a) the new supply pressure is set to the highest permissible pressure setpoint value for this further extraction station (2, 2a) at which water extraction has been detected,

- where a fault is detected at at least one further extraction station (2, 2a) and no water extraction has already been detected, the new supply pressure is set to the lowest supply pressure setpoint value for all extraction stations (2, 2a) at which a fault has been detected,

  wherein at least any new supply pressure is also set at least dependent on the geodetic height (9) of the extraction stations (2, 2a) by speed-controlling or speed regulating the pump drive containing the pump (4) which supplies the extraction stations (2, 2a) with water.

2. Method for water pressure regulation or control in a pressure zone according to claim 1, characterised in that the supply pressure is also set dependent on pipe friction losses.

3. Method for water pressure regulation or control in a pressure zone according to claim 1 or 2, characterised in that water extraction at the extraction station (2, 2a) is detected by means of a measuring element that is triggered when an extraction point (2, 2a) is actuated manually.

4. Method for water pressure regulation or control in a pressure zone according to claim 1, 2 or 3, characterized in that water extraction at the extraction station (2, 2a) is detected by means of a measuring element that is triggered when a given water volume flow is reached and/or exceeded.

5. Method for water pressure regulation or control in a pressure zone according to one of claims 1 to 4, characterised in that the fault at the extraction station (2, 2a) is detected by identifying a broken cable.

6. Method for water pressure regulation or control in a pressure zone according to one of claims 1 to 5, characterised in that the fault at the extraction station (2, 2a) is detected by identifying a short circuit.

7. Method for water pressure regulation or control in a pressure zone according to one of claims 1 to 6, characterised in that the speed control or speed regulation is carried out with a preferably brushless DC drive as the pump drive.

8. Method for water pressure regulation or control in a pressure zone according to one of claims 1 to 7, characterised in that speed control or speed regulation is carried out with a frequency-regulated drive as the pump drive.

9. Method for water pressure regulation or control in a pressure zone according to one of claims 1 to 8, characterised in that where it is intended to cause a pressure reduction the supply pressure is set in part at least by opening a controlling element or regulating element, preferably a water release valve, or running a pressure reduction pump to reduce the pressure until the pressure reaches or falls below the new supply pressure.

10. Method for water pressure regulation or control in a pressure zone according to one of claims 1 to 9, characterised in that when all water extraction detection and all fault detection at the extraction stations (2, 2a) ceases, the supply pressure is set to the setpoint value corresponding to the highest permissible supply pressure of all extraction stations in the pressure zone.

11. Computer system (5) comprising at least one data processing unit and at least one storage device and at least one interface for the connection of one or more detectors to detect water extraction or a fault at an extraction station (7) and an interface for outputting a speed setpoint value at a pump drive (6), characterized in that the program configuration of the data processing unit is such that it operates in accordance with a method according to one of claims 1 to 10.

12. Computer system (5) according to claim 11, characterized in that the computer system also comprises an interface for connecting to a pressure sensor and that the program configuration of the data processing unit is such that it operates in accordance with a method according to one of claims 1 to 10.

13. Computer system (1) according to claim 11 or 12, characterised in that the computer system also comprises an interface for actuating a control element, preferably a release valve, and that the program configuration of the data processing unit is such that it operates in accordance with a method according to one of claims 1 to 10.

~~14. Computer program comprising instructions configured to carry out a method according to one of claims 1 to 10.~~

~~15. Computer program product comprising a computer-readable medium with computer program code means in which once the computer program has been loaded a computer is prompted by the program to carry out a method according to one of claims 1 to 10.~~

~~16. Computer program product which comprises a computer program on an electronic carrier signal in which once the computer program has been loaded a computer is prompted by the program to carry out a method according to one of claims 1 to 10.~~

~~17~~14. Water pressure regulation or control system for water pressure regulation or control of a pressure zone comprising a computer system (5) according to one of claims 11, 12 or 13 and detectors for detecting water

extraction or a fault in an extraction station which are connected to the computer system (5) via the interface for connecting one or more detectors (7) and a pump (4) which supplies the extraction stations (2, 2a) with water with a pump drive the speed of which can be preset via the interface for outputting the speed setpoint value (6), whereby the computer system (5) is connected to the pump drive via the interface for outputting the speed setpoint value (6).

~~18~~15. Water pressure regulation or control system for water pressure regulation or control of a pressure zone ~~comprising a computer system~~ according to claim ~~17~~14, characterised in that the system also comprises a pressure sensor which measures the supply pressure.

~~19~~16. Use of a water pressure regulation or control system according to ~~claim 17 or 18~~ claim 14 or 15 for the water pressure regulation or control of the process and/or drinking water supply a high-rise building (1).

~~20~~17. Use of a water pressure regulation or control system according to ~~claim 19~~ claim 16, characterised in that the process water network of the high-rise building (1) has only one single pressure zone.

~~21~~18. Use of a water pressure regulation or control system according to ~~claim 19 or 20~~ claim 16 or 17, characterised in that the drinking water network of the high-rise building (1) has only one single pressure zone.

~~22~~19. Use of a water pressure regulation or control system according to ~~claim 17 or 18~~ claim 14 or 15 for the water

pressure regulation or control of the fire water supply in a highrise building (1).

~~23~~20. Use of a water pressure regulation or control system according to ~~claim 22~~ claim 19, characterised in that the fire water network of the high-rise building (1) has only one single pressure zone.

~~24. Pressure reduction device for carrying out the method according to one of claims 1 to 10, characterised in that a water supply pipe comprises at least one non-return valve (10) that opens when the water is flowing upwards from the water pressure source to the water extraction point and almost closes in the opposite direction because it comprises an opening configured in such a way that the water is able to pass through it in the opposite direction to the aforementioned flow direction due to gravity in order to release the region of the water supply pipe after the non-return valve - seen in the upstream flow direction - from pressure in excess of the pressure generated by gravity when the non-return valve is closed.~~

~~25. Pressure reduction device according to claim 24, characterised in that the water supply pipe comprises a plurality of non-return valves (10) spaced apart from one another.~~