

BEFORE



AFTER



GW SPRINKLER A/S

GW C-300 Deluge Valve Refurbishment / Overhaul

GW C-300 deluge valve – REFURBISHMENT, sequence of operations



GW SPRINKLER A/S

- Valve is received and registered (serial no. and order no.)
 - Refurbishment job is planned in ERP-system.
 - Refurbishment is conducted:
 1. “Before state” photo is taken and stored under valve serial no.
 2. Initial pressure setting is recorded.
 3. Valve is disassembled.
 4. Parts (as fitted, i.e. main valve + pilot + block assembly + actuator) are cleaned / glass blasted to remove any corrosion products and dirt.
 5. Parts are assessed for corrosion damages. If any corroded /damaged part is due for replacement, the customer is consulted re. cost / time implications.
 6. Internal water passage ways are checked and cleaned.
 7. Inlet strainer is replaced.
 8. All soft/rubber parts (main flow control sleeve, diaphragms, pilot sleeve, o-rings) are replaced with new genuine parts according to refurbishment scheme.
 9. Moving parts are firmly lubricated.
 10. Valve is re-assembled.
 11. “After state” photo is taken.
 12. Valve is pressure tested (seat: 20 bar / body: 40 bar)
 13. Valve is functionally tested in purpose build flow test rig (open/close and pressure regulating performance)
 14. Valve set-pressure is set to standard 4 barg - or to customer specification.
 15. Individual valve Test Report is issued documenting 12,13 and 14.
 16. Valve data and Test Report are stored in GW data base.
 17. Valve is packed and shipped to customer.
- On request, the valve (or individual metallic components) can be PMI-tested* to verify their alloy composition.
- *PMI : Positive Material Identification