



# Operation and maintenance instructions

## Dry alarm valve DRV-1 without accelerator

Water supply pressure (bar)	Air supply set point (bar)	Pressure relief valve part number
Up to 10.0	3.5	131054
10.1 to 12.0	3.9	849833
12.1 to 14.0	4.3	849834
14.1 to 16.1	4.4	849835

### Operating Mode

Open valves: 2, 7, 8, 14, 15, 16  
Closed valves: 3, 4, 11, 19

### To remove from service (see Operating Instructions chapter 8)

1. Close the main control valve (2)
2. Close the air supply shut-off valve (8)
3. Drain the system. Open the drain valves (3) and (4)
4. To re-instate, follow the commissioning process below

### Commissioning (see Operating Instructions chapter 7)

During each service of the valve it is recommended to grease the clapper sealing o-ring and spring seal.

1. Make sure that the main control valve (2) and drains (3) and (4) are closed
2. Ensure the dry valve has been reset (see Chapter 7 of the Installation manual) and is closed. Do not use tools to close the clapper
3. Open the air supply shut-off valve (8)
4. If compressed air escapes from the hose of the automatic drip check valve (12), the valve clapper is not closed properly and needs to be checked
5. Quickly open and close the main drain valve (3). The valve clapper should be closed
6. Slowly open the main control valve (2) and wait until the supply pressure gauge (10) displays full water supply pressure

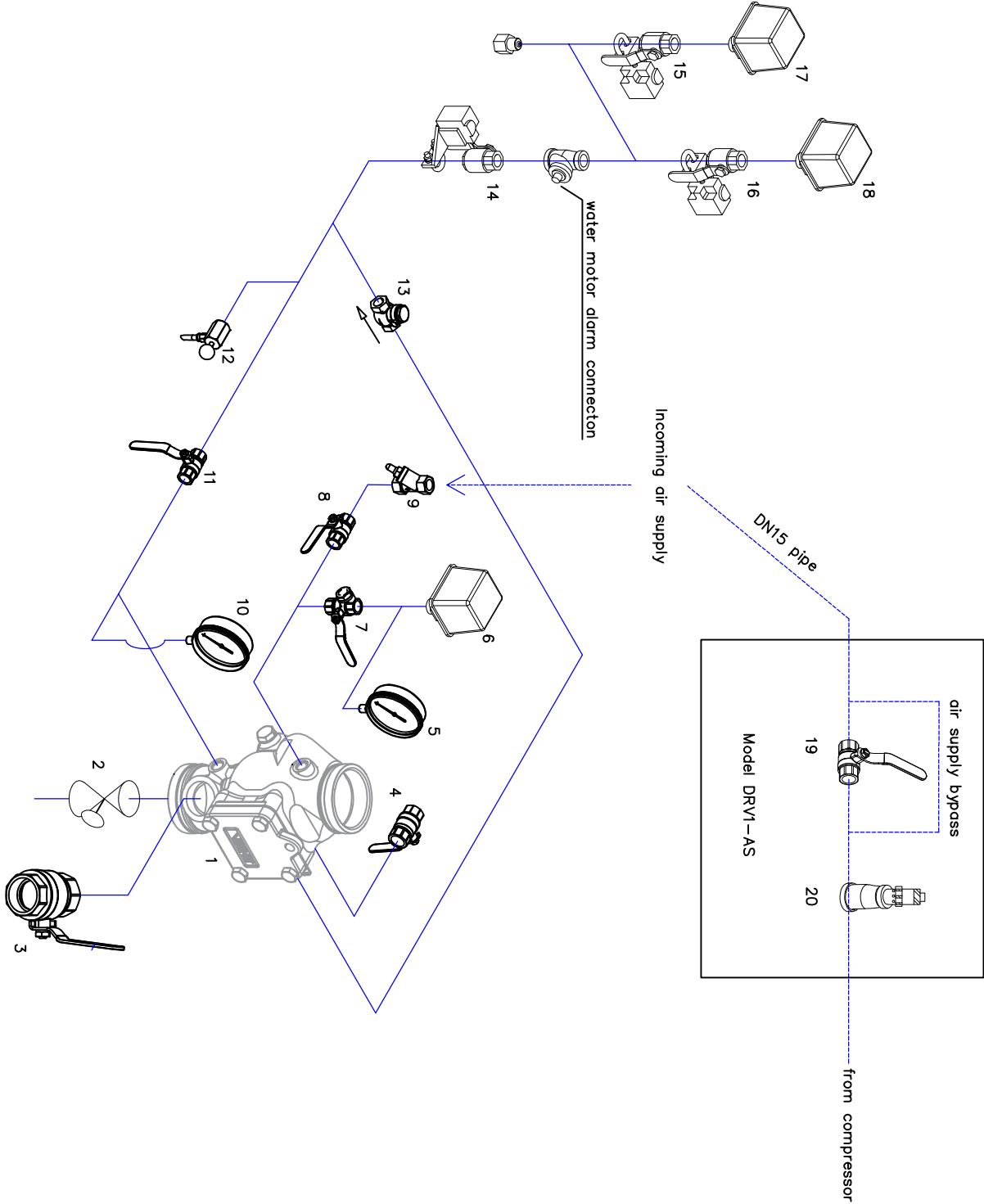
### WARNING!

An excessively fast filling process can trip the valve and flood the sprinkler pipework.

7. Open the main control valve (2) fully
8. Carry out a leakage test according to local legal requirements
9. If water is constantly flowing from the hose of the automatic drip check valve (12), the groove seal of the valve disk is leaking. In this case, close the main control valve (2), release the compressed air fully and check or replace the O-rings and the guide ring of the valve disk.
10. In case of new systems, decommissioned systems, or if new equipment has been installed, test the system to check whether all the equipment functions properly.
11. The system is ready

### Servicing and maintenance

For frequency and instruction on servicing refer to the operating instructions. A copy can be obtained from Viking - [www.viking-emea.com](http://www.viking-emea.com)



1	DRV1	11	Alarm test valve (n. c.)
2	Control valve (n.o.)	12	Alarm line drain valve
3	Main drain valve (n. c.)	13	Intermediate chamber check valve
4	System drain/vent (n. c.)	14	Alarm shut off (n. o.)
5	Air pressure gauge	15, 16	Alarm pressure switch isolation (n.o.)
6	Air supervisory pressure switch	17, 18	Alarm pressure switch
7	Valve with venting (n. o.)	19	Valve - bypass air filling (n.c) *
8	Air supply shut-off (n. o.)	20	Pressure relief valve
9	Air supply check valve		
10	Supply pressure gauge	*	For FM projects, use Model D-2

DRV-1 Instruction Plate - without Accelerator - Norwegian version		
Drawing No.: DRV1 - IP - 007	Revision No.: 0	Date: 15.03.2021.