



BLAZE

Air Maintenance Device

For BT 5940

Product Description :

Air Maintenance Device that automatically maintains air pressure within a manual pre-set limit dependent on desired system pressure of the dry pipe sprinkler system.

Installation :

Supply the system with clean, dry, and oil-free compressed air or nitrogen. The air supply must be regulated, restricted, and continuously available.

Monitor the system air pressure over a 24-hour period to confirm system integrity. If any pressure loss is detected, locate and repair all leaks before placing the system back into service.

Note: NFPA requires air leakage to be less than 0.1 bar (1.5 psi) over a 24-hour period.

Setting Procedure :

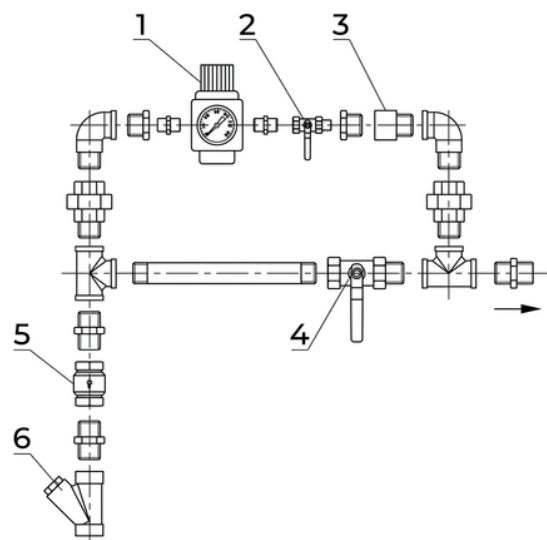
1. Close Ball Valve No. 2 and Ball Valve No. 4.
2. Pull up the pressure regulator adjustment knob and turn it fully anti-clockwise to the minimum setting.
3. Allow air from the supply source to enter the device.
4. Turn the adjustment knob clockwise and set the air pressure in accordance with Table 1.
5. Push the adjustment knob down to lock the setting.
6. Open Fast-Fill Ball Valve No. 4 until the system pressure reaches close to the required set point.
7. Close Fast-Fill Ball Valve No. 4 and open Slow-Fill Ball Valve No. 2 to maintain the system pressure.

Air Pressure Settings :

Water Pressure		Recommended Air Pressure	
bar	psi	bar	psi
2 - 10	30-140	1	15
10 - 17.2	141-250	1.5	21
17 - 20.7	251-300	1.7	24

Parts :

1. Air regulator
2. Slow fill ball valve (NO)
3. Restrictor
4. Fast fill ball valve (NC)
5. Check valve
6. Y strainer



BLAZETECH SYSTEMS LTD.

✉ contact@blaze-tech.co.uk

Milton Keynes, United Kingdom

🌐 www.blaze-tech.co.uk

Disclaimer: Images shown are for illustration purposes only. Actual products may vary in appearance and specification. Specifications are subject to change without notice.

PRECISION YOU CAN TRUST

01/01

Ver. A, 15032026, © Blaze 2026