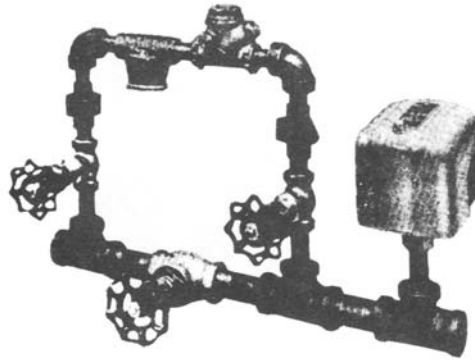
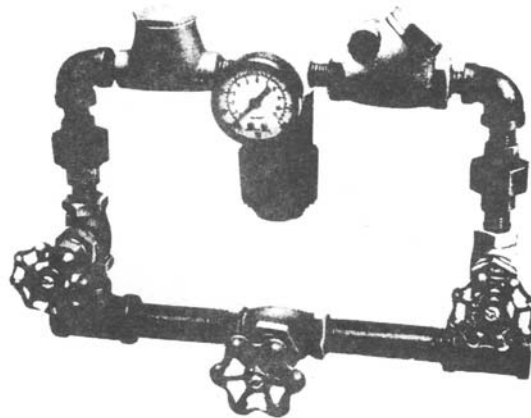


MODEL "F" & "G" AIR MAINTENANCE DEVICES



MODEL F



MODEL G

DESCRIPTION & OPERATION

PROTECTION INCENDIE LTÉE

VENUS

FIRE PROTECTION LTD

250 Laval street, Units 6 & 7
Bromptonville, (Quebec) J0B 1H0
Tél.: (819) 846-3444 - Fax: (819) 846-2717
e-mail: venus@venus.ca

MODEL F & G AIR MAINTENANCE DEVICES

DESCRIPTION

The "Astra" model F and G Air Maintenance Devices are designed to provide direct filling of a Dry Pipe Sprinkler System to the required air pressure and also maintain, through a bypass arrangement, the correct air pressure in the system at all times. The system pressure desired may be obtained by adjusting the air pressure regulator. (Refer to the Dry Pipe Valve literature for the proper air pressure required.)

The model F is used when a sprinkler system air compressor is the air source. The air pressure switch is used to control the air compressor motor and is field adjustable to the desired system air pressure. The model G is normally used when the compressed air is supplied by the owner of the building.

OPERATION

When filling the sprinkler system piping with air, the 3/4" globe valve is opened in order to fill the system rapidly. Once the system has been filled to the proper pressure, the 3/4" globe valve is shut and the two 1/4" globe valves, located on the bypass piping, are opened. This provides a continuous but restricted air supply to the system. This will compensate for any small system leaks, and prevent the system from tripping, provided the leaks do not exceed the restricted air supply.

As the pressure on the system side drops, the pressure switch close thereby causing the air compressor to start and supply through a restricted orifice the necessary air pressure to maintain the system at its proper level. When the pressure in the dry pipe sprinkler system has been re-established, the pressure switch contacts open thereby stopping the air compressor. On the model G Air Maintenance Device, the regulator performed as the pressure switch does on the model F.

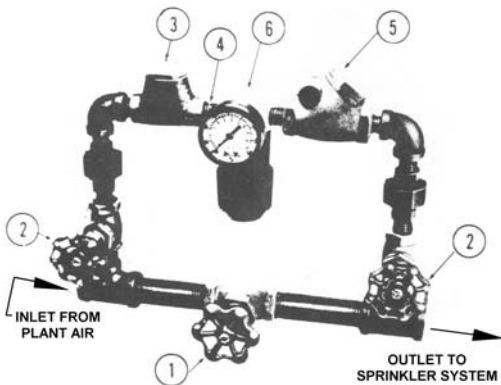
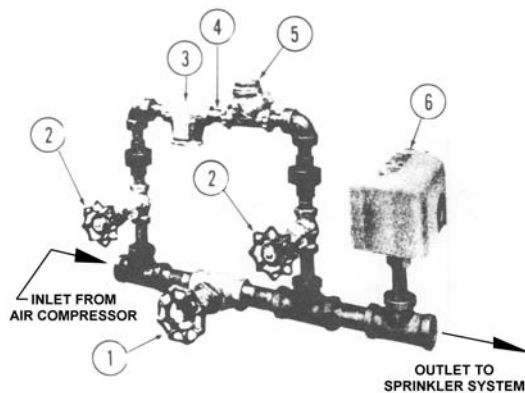
PARTS LIST

MODEL F

ITEM	DESCRIPTION
1	3/4 (1.90cm) Globe Valve, soft seat
2	1/4 (0.64cm) Globe Valve, soft seat
3	Air Strainer
4	Air Restrictor
5	Check Valve
6	Air Pressure Switch

MODEL G

ITEM	DESCRIPTION
1	3/4 (1.90cm) Globe Valve, soft seat
2	1/4 (0.64cm) Globe Valve, soft seat
3	Air Strainer
4	Air Restrictor
5	Check Valve
6	Air Pressure Regulator



PROTECTION INCENDIE LTÉE

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MADE IN CANADA