

PRESSURE REGULATION

The correct operation, efficiency and longevity of pneumatic devices relies on the correct pressure being supplied to the system and/or pneumatic devices.

Pressure regulators allow the correct pressure to be set for the system, parts of the system or the compressed air supply to a specific pneumatic device.

A Filter Regulator combination also provides for basic primary filtration of the compressed air supply.

CONDENSATE MANAGEMENT

All air contains an amount of humidity (water in vapour form). Commonly this humidity is compressed into water condensate during the compression cycle and collects in the pneumatic system in particular, air receivers. This condensate requires to be removed by draining on a regular basis to prevent a decrease in the system's capacity, performance and longevity.

Automatic condensate drains ensure this process is regular, automatic and removes the need and expense for manual operator intervention.

**PILOT AIR ARE THE
EXPERTS IN
COMPRESSED AIR
SOLUTIONS.**

**WE PRIDE OURSELVES IN
PROVIDING EXPERTISE,
SUPPORT AND VALUE.**

Contact Pilot Air for the best solution for your pneumatic requirements:



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**PRESSURE
REGULATION &
CONDENSATE
MANAGEMENT
PRODUCTS**



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AUTOMATIC COMPRESSED AIR CONDENSATE DRAINS



Automatic Compressed Air Condensate Drains to maximise ease of system operation and efficiency. Products to suit every requirement.

Product Code	Description
AD-14CONR	Pneumatic for reciprocating type/ Suit up to 4 KW
AD-14STEM	Pneumatic for reciprocating type/ Suit up to 7.5 KW
O45-D031	Mechanical / Suit Vertical air receivers / 1/2" BSP
SCE-4	Electric timed 240V / 1/4" BSP
SCE-8	Electric timed 240V / 1/2" BSP
SG-3003	Electric / ZERO LOSS / 1/2"
PA-68	Pneumatic for vertical air receivers

Choosing the right automatic drain type depends on the requirements of your system.

1. Electric Type Auto Drains

Cost effective and compact, timed drains can be fitted in a wide range of applications where single phase power is available. These type of valves allow the drain intervals and duration to be set to each requirement to achieve the best results.

2. Mechanical Type Auto Drains

Cost effective and do not require setting as they only activate when the condensate level rises. Being relatively larger in size can limit the applications they are used in as they require more space to install. Commonly used under vertical air receivers. Not suitable for mobile type applications.

3. Pneumatic Type Auto Drains for Reciprocating Compressors

Compact and robust, suitable for mobile applications where no single phase power is available. Suitable for reciprocating type compressors only.

4. Pneumatic Type Auto Drains for Vertical Air Receivers

Cost effective and robust. Commonly used under vertical air receivers where no single phase power supply is available. Being relatively larger in size can limit the applications they are used in as they require more space to install. These type of valves allow the drain intervals to be set to each requirement to achieve the best results.

5. Zero Loss Auto Drains

Highly efficient as they only expel condensate with zero loss of compressed air. Require a single phase power supply. Commonly fitted under vertical air receivers. The most energy efficient drain available.

FILTERS AND REGULATORS



Pilot Air's range of standard workshop type Filters and Filter Regulator combinations.

Product Code	Description
8510014	Filter Only - 1/4" BSP cw Bracket / 10 micron/ 35 L/Sec / 12BAR
8510012	Filter Only - 1/2" BSP cw Bracket / 10 micron / 100 L/Sec / 16BAR
8541014	Filter Regulator Combination - 1/4" BSP cw Gauge and Bracket / 5 micron / 30 L/Sec / 10 BAR
8541012	Filter Regulator Combination - 1/2" BSP cw Gauge and Bracket / 5 micron / 66 L/Sec / 10BAR
8541100	Filter Regulator Combination - 1" BSP cw Gauge and Bracket / 5 micron / 83 L/Sec / 10BAR