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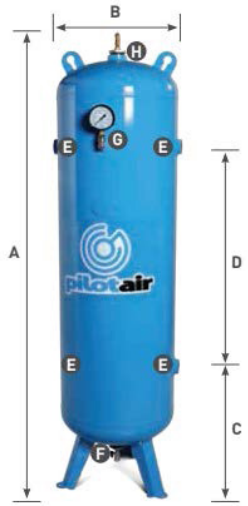
The Compressed Air Experts

COMPRESSED AIR STORAGE

Compressed Air storage products, part of Pilot Air's complete compressed air solutions.
- Horizontal Air Receivers
- Vertical Air Receivers



FEATURES

- Manufactured to AS1210-3 and supplied with
- Manufacturer's Data Report
- Supplied as standard with
- Safety Valve, Pressure
- Gauge and Manual
- Condensate Drain
- Finished in industrial grade enamel

Vertical Air Receivers

Model	Capacity (L)	Working Pressure	A	B	C	D	E Inches (BSP)	F Inches (BSP)	G Inches (BSP)	H Inches (BSP)
3100150	150	1100	1550	420	400	820	1-1/2"	2"	1/2"	2"
3100300	300	1100	1900	600	540	940	1-1/2"	2"	1/2"	2"
3100600	600	1100	2000	700	600	880	1-1/2"	2"	1/2"	2"
3101000	1000	1100	2460	800	720	1170	1-1/2"	2"	1/2"	2"

Horizontal Air Receivers

Product Code	Description	L (mm)	W (mm)	H (mm)
45BR-HS	Air Receiver - Horizontal/ 45L/1100 Kpa	800	300	450
3000100	Air Receiver - Horizontal/ 100L/1100 Kpa	1060	370	490
3000150	Air Receiver - Horizontal/ 150L/1100 Kpa	1320	400	540
3000200	Air Receiver - Horizontal/ 200L/1100 Kpa	1410	450	665
3000268	Air Receiver - Horizontal/ 268L/1100 Kpa	1540	490	705
3000500	Air Receiver - Horizontal/ 500L/1100 Kpa	1890	600	845

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PILOT AIR ARE THE EXPERTS IN COMPRESSED AIR SOLUTIONS. WE PRIDE OURSELVES IN PROVIDING EXPERTISE, SUPPORT AND VALUE.

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Contact Pilot Air for a complete range of compressed air solution products:

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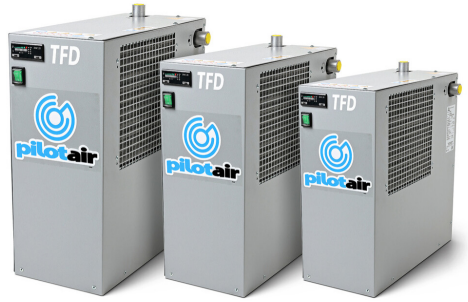
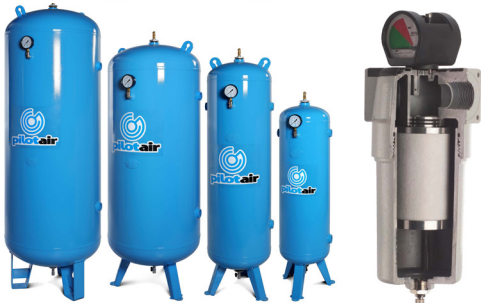
COMPRESSED AIR TREATMENT & STORAGE





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Pilot Air Compressors, family owned and proudly Australian.

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TFD DRYERS

Pilot Air's TFD Range of Refrigerated Air Dryers is rated for Australian conditions with flow rates based on an ambient temperature of 35ºc.

Features:
- Electronic Control Panel
- Hot Gas By-Pass Valve
- Condensate Drain
- Condenser

Benefits of using TFD Refrigerated Air Dryers:
- Reduce Down Time
- Lower Equipment Maintenance Costs
- Improve Product Finish
- Reduced Energy Consumption

TECHNICAL FEATURES

Data refers to the following condition: Ambient temperature of 35ºC, with inlet air at 7 bar and 45ºC. Pressure dew point as per Class 5-ISO Standard 8573.1. Maximum working conditions: Ambient temperature 50ºC, inlet air temperature 70ºC and inlet air pressure 14 bar.

Model	Flow Rate		Power Supply Voltage	Port Sizes In/Out	Dimensions (mm)			Weight kg
	L/sec	SCFM			A	B	C	
TFD 6	9.9	21	240 1/2" BSP F	226	507	532	25	2"
TFD 10	16.5	35	240 1/2" BSP F	226	507	532	27	2"
TFD 15	25	53	240 3/4" BSP F	226	507	532	28	2"
TFD 22	36.8	78	240 3/4" BSP F	226	507	532	30	2"
TFD 30	50	106	240 1" BSP F	304	694	907	52	2"
TFD 45	75	159	240 1 1/4" BSP F	304	694	907	57	2"
TFD 60	100	212	240 1 1/4" BSP F	354	776	987	61	2"
TFD 72	119.9	254	240 11/2"BSP F	354	776	987	67	2"
TFD 85	141.6	300	240 11/2"BSP F	354	776	987	69	2"
TFD 100	166.6	353	240 Z BSP F	483	1104	1040	135	2"
TFD 120	200	424	415 2" BSP F	483	1104	1040	138	2"
TFD 150	258	530	415 2" BSP F	483	1104	1040	140	2"
TFD 180	308.2	653	415 2 1/2" BSP F	500	1204	1140	170	2"
TFD 220	366.7	777	415 2 1/2" BSP F	500	1204	1140	181	2"

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FT FILTERS

Compressed Air is a valuable source of power. It is safe, flexible and used in all areas of industry. Like any other energy source, it benefits from being clean and free from impurities.

FILTER ELEMENT

- Large surface area and in-depth bed filtration for high efficiency and low pressure drop.
- Double (inner and outer) polyester needle felt sock suitable for high temperatures (120ºC) and resistant to synthetic oils.
- Push on element with double o-ring for speedy element replacement and air tight connection.
- Four grades of filtration to cover all requirements for clean compressed air in respect of ISO 8573.1.
- Silicone free manufacturing.
- Colour coded. No mistakes when replacing elements.

FILTER GRADE	AIR QUALITY	APPLICATION EXAMPLE
3 MICRON Series P (Green)	Filter capable to separate emulsion and particles down to 5 micron.	Normally installed on the inlet of dryers. Ideal as pre-filter for on-line filters (series s - X - Z), and for vacuum pumps, pneumatic blowing plants.
1 MICRON Series S (Red)	Filter capable to separate particles down to 1 micron, liquid and oil included. Maximum contents of residual oil 0,1 mgKm3.	Normally used on outlet of dryers as (X) grade pre-filter. Used to prevent the deterioration of the pipes of compressed air plants, for surface treatment, on vacuum pump exhaust, on compressed airmotcrs, and as pre-filter for absorption dryers.
0,01 MICRON Series X (Yellow)	Oil removing filter capable of separating residual oil and extremely small particles down to 0,01 micron. Maximum contents of residual oil 0,01 mg/m3 It produces air technically free from oil.	Used for the protection of control system, pneumatics haulage, painting system and as post-filter for absorption dryers.
ACTIVATED CARBON Series Z (Black)	Activated carbon filter for the elimination of oil vapours and odour. When installed, after a (X) grade filter, it lowers the maximum contents of residual oil to 0,005 mg/m3.	Used in the pharmaceutical industry, for dental applications,in photographic workshops, packaging and galvanic treatments.

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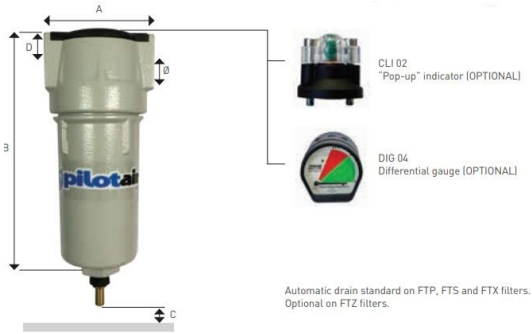
- Easy to read differential pressure gauge or indicator to monitor the filter element performance (if installed).
- Protected filter head and bowl threads to allow easy bowl removal for element replacement.
- The large cross section of flow channels ensures reduced pressure drop.
- Pressure relief device to allow safe removal of the filter bowl.
- Hexagonal filter bowl clamp ring for ease of bowl removal
- Aluminium filter bodies are anodised inside and outside to prevent corrosion. External surfaces are powder coated.
- Modular facility for simple series connection of multiple filters or wall mounting.

TECHNICAL FEATURES

Data refer to the following condition: Inlet air temperature of 35ºC, inlet air pressure 7 barg.
Max. working condition: Ambient temperature 60ºC, inlet air temperature 120ºC and inlet air pressure 16 barg.

Model	Flow Rate		Power Supply Voltage	Port Sizes In/Out	Dimensions (mm)				Weight kg
	L/sec	SCFM			A	B	C	C	
Fr* 008	14.1	30	G 3/8"	T* 008	85	187	60	22	0.77
Fr* 012	19.8	42	G 1/2"	T* 012	85	187	60	22	0.77
FT* 018	30.6	65	G 3/4"	T* 018	85	256	80	22	0.8B
FT* 030	54.7	116	G 1"	T* 030	125	263	100	32	2.2
FT* 055	91.5	194	G 1 1/2"	T* 055	125	362	120	32	2.6
FT* 080	134.9	286	G 1 1/2"	T* 080	125	452	140	32	2.9
Fr' 120	208.1	441	G 1 1/2"	T* 120	125	643	160	32	3.7
Fr' 160	279.8	593	G 2"	T* 160	160	695	520	45	7.4
Fr* 250	433.2	918	G2 1/2"	T* 250	160	935	770	45	10
FT* 400	699.8	1.483	G 3"	T* 400	250	1.170	780	60	25



Automatic drain standard on FTP, FTS and FTX filters.
Optional on FTZ filters.

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