



Pneutech

Compressed Air Treatment

A LIFETIME INVESTMENT...

Pneutech not only provides guaranteed compressed air to a quality that meets and exceeds your expectations but also takes responsibility for your compressed air system and will stand behind its operation and performance for as long as you require it.

With major distribution centres, strategically positioned in 5 corners of the globe, Pneutech will assess, measure and record your particular compressed air requirement and provide a global input solution tailor designed to suit your operation. With decades of internationally combined expertise, the Pneutech compressed air experience will bring you a sound lifetime investment and most importantly complete peace of mind.



THE PNEUTECH GROUP STATEMENT

"With such international connections, the Pneutech Group has the performance and integrity that only comes from personal commitment combined with global resources, to provide a truly innovative and flexible solution for your application."



NO ONE EVER REGRETTED BUYING QUALITY

The essence of a good compressed air investment is regarded as "lifetime cost".

Lifetime cost is a combination of initial capital cost, energy cost, maintenance costs and any other associated remedial costs, all added together over the lifetime of the compressed air plant. It is no surprise that Pneutech air treatment systems, arguably boost the lowest of lifetime costs when compared with equivalent models in today's industry.

Remember: "The bitterness of poor quality remains long after the sweetness of low price has been forgotten"



Pneutech's unique maintenance programme removes the hassle of organising your own service, the risk of factory breakdowns and the pressure of locating standby air. Our Master Maintenance programme plan provides complete peace of mind.

... AND PEACE OF MIND

The Pneutech teams brings over a century of combined experience, while the compressed air treatment products carry extensive quality assurance guarantees for your peace of mind



Pneutech PRD refrigerated dryers will continue operating around the clock, 24 hours a day, 7 days a week, 365 days a year.

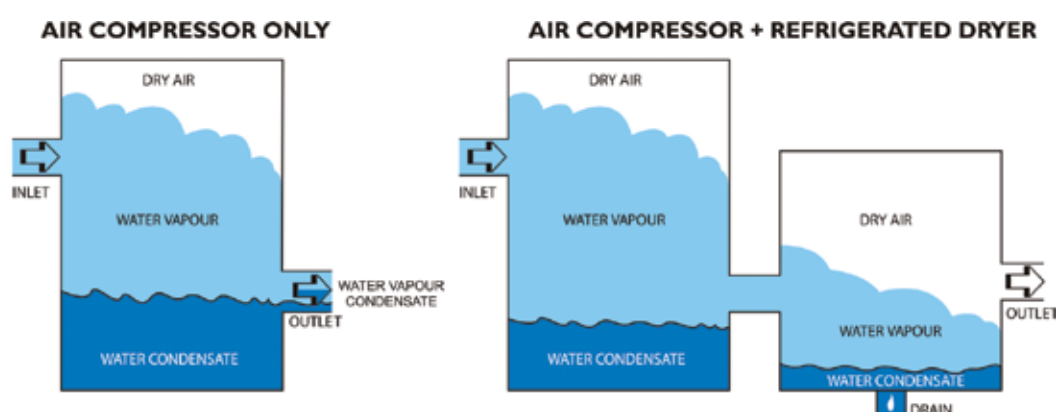


With over 170 years combined involvement in the compressed air industry, Pneutech bring unparalleled knowledge and experience. From spinning spanners to air management programming, from changing filters, to design-and-build complex compressed air systems. Pneutech has done it all.

PNEUTECH PRD SERIES REFRIGERATED DRYERS

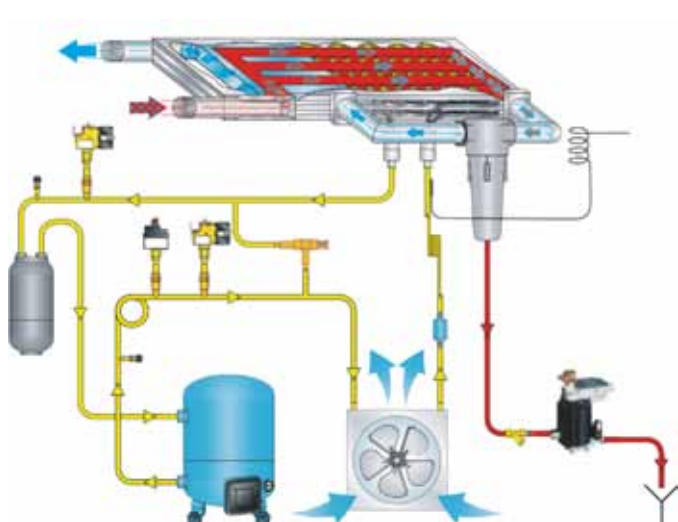
With the introduction of today's high-tech spray coatings, sophisticated CNC operated machinery and high productivity requirements, the compressed air supply line needs to be free of moisture contamination. Correct filtration will remove contaminants, but will not entirely eliminate the moisture problem – this can be achieved by installing a Pneutech refrigerated dryer.

A 40.0cfm (1080 L/M) air compressor can produce up to 1.2 litres of water in your airline every hour! By installing a refrigerated dryer, this water content can be reduced by 99%. The refrigerated dryer is to be following a pre-filter for removing dirt contamination from the air compressor.



The Pneutech refrigerated dryer processes the hot, moisture laden air from the compressor, down to the dew-point temperature (3°C) in three stages – firstly through a heat exchanger, then through a refrigerant/air exchanger, which brings it down to dew point, at which point the oil and water vapour condense into a droplet form and are drained off. The cold air then re-enters the heat exchanger and is reheated to normal working temperature.

With an ambient temperature capacity of 5 to 50°C, the Pneutech PRD refrigerated dryers can perform in extreme temperatures and high humidity to produce 99% moisture free compressed air every time.



The Pneutech refrigerated dryer has a guaranteed fast investment payback, by removing damaging moisture which otherwise results in high maintenance and downtime costs to your production.

FOR PERFORMANCE AND RELIABILITY



Our Pneutech PRD series refrigerated dryers are designed to operate and treat compressed air in harsh environments and adverse climates. With a generously spaced cabinet and oversized components such as the heat exchanger, cooling fan and industrial compressor, the PRD dryer is designed for optimum performance whilst providing low cost operation. Special features such as the stainless steel heat exchanger (models up to 141cm) low energy requirement and low maintenance cost makes the Pneutech dryer the number 1 choice in every industrial compressed air situation where long term and reliably dry air is critical.

PRD SERIES MODEL SPECIFICATIONS / PERFORMANCE

Model N°.	Flow		Pressure		Voltage 50hz	Inlet BSP	Motor KW	Dimensions Lx W x D(mm)	Weight (Kg)
	m ³ /min	CFM	Bar	PSI					
PRD5	0.60	21	13	189	230	1/2"	0.23	500x250x500	25
PRD7	0.91	32	13	189	230	1/2"	0.26	500x250x500	25
PRD10	1.50	53	13	189	230	1/2"	0.46	600x310x500	30
PRD15	1.81	64	13	189	230	1/2"	0.46	600x310x500	30
PRD20	2.41	85	13	189	230	3/4"	0.47	750x360x550	50
PRD25	3.60	127	13	189	230	3/4"	0.62	750x360x550	55
PRD30	4.00	142	13	189	230	3/4"	0.65	750x360x550	55
PRD50	6.52	230	13	189	230	1 1/2"	1.40	750x550x880	78
PRD60	8.84	312	13	189	230	1 1/2"	1.40	750x550x880	80
PRD75	11.00	389	13	189	230	1 1/2"	1.85	750x550x880	85
PRD100	13.00	460	13	189	230	2"	2.30	1000x670x1030	130
PRD125	17.00	602	13	189	400	2"	3.03	1000x670x1030	140
PRD150	22.10	779	13	189	400	2"	3.10	1000x670x1030	150
PRD180	27.10	956	13	189	400	2 1/2"	3.63	1000x820x1600	250
PRD250	33.0	1168	13	189	400	2 1/2"	3.63	1000x820x1600	260
PRD270	37.1	1310	13	189	400	2 1/2"	4.41	1000x820x1600	270
PRD340	45.1	1593	13	189	400	DN100	5.15	1100x1150x1800	500
PRD375	55.1	1947	13	189	400	DN100	5.88	1100x1150x1800	510

Other models available on request including water cooled

Correct installation includes a pre filter to be installed before the refrigerated dryer

PNEUTECH PF SERIES

INDUSTRIAL INLINE FILTRATION

The air produced by compressors usually contains water, dirt and other unwanted particles that can contaminate plant and equipment – resulting in downtime and high maintenance costs.

The Pneutech PF Series industrial filters provide a solution to these problems and when correctly installed will deliver consistent clean, dry air with minimal upkeep.

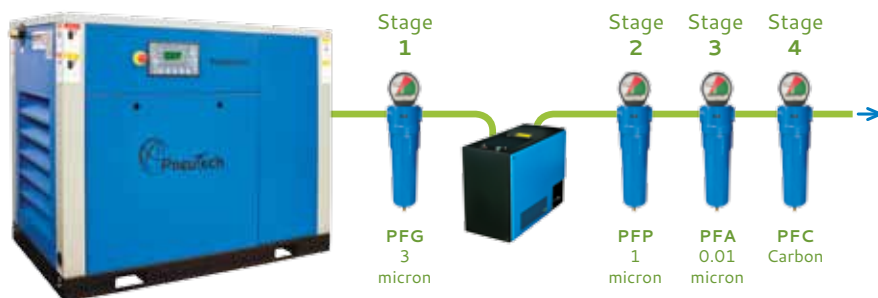


The PF series filters are designed to cover a diverse range of applications and capacity from 34– 1625cfm including breathing, instruments, process and food grade compressed air to class 1 quality.

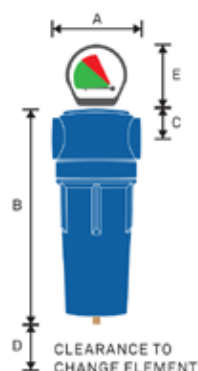


FOR RELIABLY CLEAN AND DRY AIR

Compressed Air filtration must always be installed in sequence for efficient and reliable operation.



Complete filter codes are PF followed by the element code then size number, eg PFG005. Filter element codes are PE followed by the filter type then size number. eg PEG005.



FILTER ELEMENT TYPE

1) PEG Pre filter for solid contaminants
Particle removal down to..... 3 micron
Air quality..... ISO 8573.1 Class 3
Initial pressure drop..... 0.03 bar.

2) PEP Coalescing filter for particles, oil and water.
Particle removal down to 1 micron
Air quality..... ISO 8573.1 Class 2
Initial pressure drop..... 0.05 bar.

3) PEA High efficiency filter for particles, oil & water aerosols.
Particle removal down to..... 0.01 micron
Air qualityISO 8573 Class 1
Initial pressure drop..... 0.09 bar.

4) PEC Carbon adsorption filter for oil vapour & other hydrocarbons.
Particle removal down to..... 0.003 micron
Air quality..... ISO 8573.1 Class 1
Initial pressure drop..... 0.05 bar.

PF SERIES MODEL SPECIFICATIONS / PERFORMANCE

Filter Model	Port Size (BSP)	Flow Rate		Dimensions					Approx Weight (kg)	Replacement Element Model
		M3/min	CFM	A	B	C	D	E		
PF005	1/2"	0.96	34	88	160	24	60	70	0.8	PF () 005
PF010	1/2"	1.33	47	88	219	24	60	70	1.0	PF () 010
PF015	3/4"	2.03	72	88	280	24	80	70	1.3	PF () 015
PF025	1"	3.60	127	128	298	39	100	70	2.6	PF () 025
PF040	1 - 1/2"	7.20	254	128	388	39	120	70	2.8	PF () 040
PF075	1 - 1/2"	9.05	320	128	488	39	140	71	3.4	PF () 075
PF100	1 - 1/2"	13.25	468	128	678	39	160	70	4.2	PF () 100
PF125	2"	19.80	699	160	721	45	530	70	7.5	PF () 125
PF175	2 - 1/2"	26.00	918	160	961	45	770	70	11.2	PF () 175
PF300	3"	46.00	1625	250	1200	60	780	70	26.5	PF () 300

PNEUTECH RECEIVER CONDENSATE DRAINS



ELECTRONIC TIME DRAIN

This electric condensate drain is equipped with an adjustable interval and discharge time. This can be fitted to air compressors, dryers, tanks, and filtration.

24-240V . 1/2" BSP inlet/outlet
Code:DT08



EXTERNAL FLOAT DRAIN

Available as an accessory to fit larger PF series filters. Can also be used on air receivers for hassle-free moisture removal.

1/2" BSP inlet/outlet
135mm H x 160mm W
Code: DFO8



North America
South America
Europe
Asia Pacific

Distributed by:

INDUSTRIAL AIR SYSTEMS NZ

Freephone: 0800555018

Email: info@industrialair.co.nz

Web: www.industrialair.co.nz

Auckland • Napier • Christchurch • Timaru