

Oil-Free Piston Compressors

PD4-OF

PD4-OF Series compressors deliver true oil-free, Class 0 air for applications ranging from food and pharmaceuticals to chemical, electronics and automotive that demand high-quality air.



Premium Air Quality in Any Environment

Completely oil-free operation is required for applications that need the most stringent air quality at a moderate volume to protect against product spoilage, product recalls or costly downtime.

- **No oil in the system** ensures no need for downstream oil separating
- **Quiet operation of 77 db(A) and compact size** fit virtually any work environment

Designed for Performance, Built for Reliability

Durable design and construction provide high-quality output with minimal maintenance requirements.

- **Aluminum block housing** delivers top performance and long life in a compact footprint
- **Stainless steel valves** resist wear over time
- **Built-in aftercooler** minimizes wear and guarantees lowest possible Cold Temperature Difference (CTD)
- **Performance rated** for ambient temperatures up to 45°C
- **Modular system approach** provides the flexibility to achieve your desired air purity



Cost Effective, Easy to Maintain

Low power requirements and extended life provide the most convenient, cost-effective way to satisfy stringent air quality requirements.

- **Innovative bare design** promotes maximum productivity with minimum maintenance
- **Easy servicing** on a limited schedule reduces downtime
- **Direct-drive design** means no energy loss in transmission

A Modular Approach to Suit Your Needs

Multiple PD4-OF configuration choices are available to fit your work environment and requirements.



4 kW (5.5 hp) motor delivers up to 380 l/min at 10 bar g (500 l/min at 6 bar g)



270-liter wheel-mounted tank option provides portability throughout your workspace



270-liter vertically mounted tank option delivers high capacity in minimal floor space

Ingersoll Rand PD4-OF Specifications – 50 Hz*

Model/CPN	Motor		Max. Pressure		Receiver		Capacity (FAD)		Noise db(A)	Dimensions LxHxW		Weight	
	kw	hp	bar g	psig	l	gal	l/min	cfm		mm	in	kg	lb
PD4-OF/24726853	4.0	5.5	10	145	Base mounted		380	13.4	77	590x400x350	23.2x15.7x13.8	55	121
PD4-270-3-OF/24619371	4.0	5.5	10	145	270	71.3	380	13.4	77	1,527x1,144x594	60.1x45.0x23.4	158	348
PD4-270V-3-OF/24619389	4.0	5.5	10	145	270	71.3 [†]	380	13.4	77	1,767x600x600	69.6x23.6x23.6	154	342

*60 Hz and S/D are available †Vertical configuration

Ensure Your Air Quality

Modular Ingersoll Rand dryer and filtration capabilities enable you to control moisture and particulates to the level you need – all the way to Class 0 performance.

ISO8573.1:2010 Class	Concentration Total Oil (Aerosol, Liquid, Vapor) mg/m ³	Water Class Pressure Dew Point	Ingersoll Rand Dryer Model/CPN	Solid Class Max. Number of Particles / m ³	IR Filters/CPN
0	As specified by the equipment user or supplier and more stringent than Class 1				
1	≤ 0.01	-70°C	D411M/23167026*	0.01 micron	FA40IH/24231896
2	≤ 0.1	-40°C	D411M/23166937*	0.1 micron	FA40IG/24231870
3	≤ 1	-20°C	D411M/23166937*	1 micron	FA40ID/24231854
4	≤ 5	+3°C	D42IN/23231699	—	—
5	—	+7°C	D25IN/23231681	—	—

*Already supplied with inlet filter grade H (class 1) and outlet filter grade G (class 2)



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