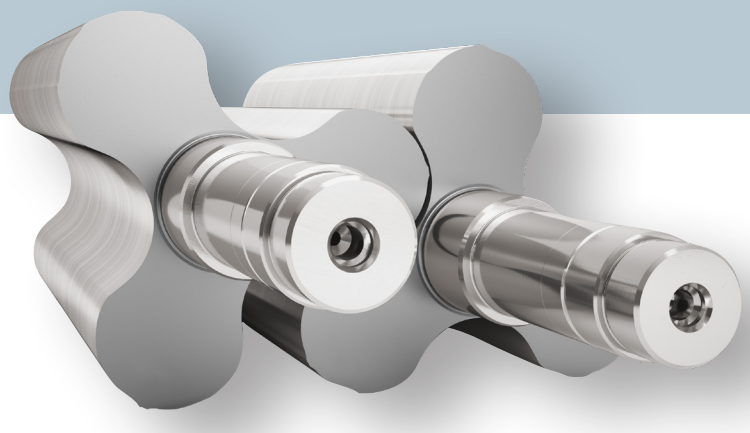
RPG 30 & RPG 35

Pressure and Vacuum



New State Of The Art Lobe Blower Packages



PEDRO GIL
An Ingersoll Rand Business



Leading Innovation in Lobe Blowers

For over 100 years, we at **PEDRO GIL** have been providing technologically advanced, high performance air blowers with excellent durability. Our leading-edge technology, service, and quality provide our clients with global coverage and exceptional after-sales service.

Our completely redesigned lobe blower package features a high-performing air end, a more comprehensive range up to 10,500 m³/h, and superior features to fulfil your plant's requirements.

PEDRO GIL
An Ingersoll Rand Business

Maximizing Benefits with Versatile Solutions

Our team of experienced engineers are focused on developing products that offer maximum benefit to every customer.

Our wide range of rotary lobe blowers cover nearly every environmental and industrial application, making them the best choice for your operation's needs.

1. **Wastewater Treatment Plants.**
2. **Pneumatic Transport Across Industries.**
3. **Industrial Vacuum Airing Equipment.**
4. **Fish Farming.**
5. **Air Supply for Burners.**
6. **Textile Industry.**
7. **Paper Industry.**
8. **Fluidification Beds.**
9. **Non-explosive Gas Transfer.**

Efficient Air Power, Outstanding Features

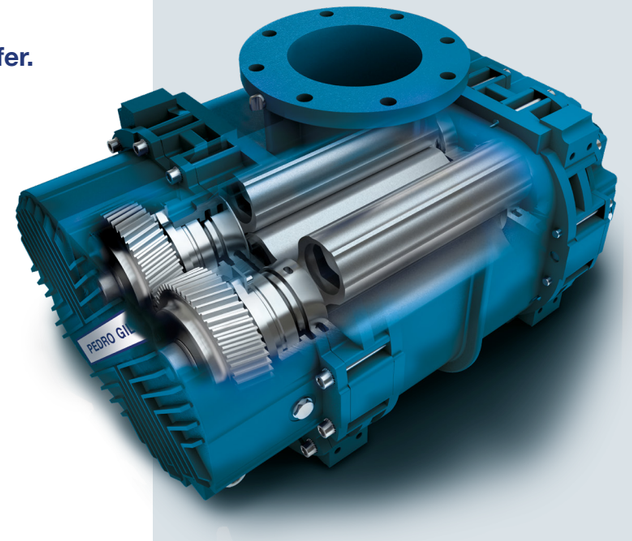
Premium Efficiency Air End

RPG is the innovative positive displacement rotary blower with 3 special profile lobes that, combined with a new configuration of the "low pulse" system, reduces the residual pressure pulsation of the conveyed gas below 2% of the operating pressure.

ATEX versions are available on request.

Features

- Splash-lubricated, helical tooth synchronized gears for optimum rotor timing.
- High-quality grounded lobe profile rotors controlled by three-dimensional instruments for top volumetric efficiency.
- Durable shafts and robust design to reliable operation. Special coating (on request).
- Long life steel cage bearings.
- Pirex mirrors for clear oil inspection.
- Three-lobed rotors with Class 0 Oil-free certification (ISO 8573 -1).



New Design with New Features

Innovative Design

Thanks to its exclusive features, the RPG 30 & RPG 35 have compact dimensions that allow for side-by-side installation as all service operations are done at the front or rear of the unit. They are extremely easily installed and don't require ducting, allowing compressor rooms to be kept at a minimal size.



Quiet Operation

Low noise production is ensured by our new discharge and suction silencer design. Additionally, cabin enhancements grant noise reduction thanks to the special soundproofing material, upgraded panel thickness, and enclosure air inlet and outlet ducts muzzled with lined single-chamber plenum and bends.



Compact Design for Limited Spaces

We are excited to introduce two new models—DN 50 and DN 65 —offering the most compact options in our lobe blower range. The innovative design of our RPG package significantly reduces its footprint while maintaining and even boosting performance. Thanks to optimized dimensions, these models deliver up to a 20% reduction in overall space requirements, making the.m ideal for applications where space is at a premium.

Options for Every Need

To better fit customer requirements, our RPG lobe blower packages can be tailored to your real flow needs with a full range up to 10,500 m³/h and a maximum pressure of 1,000 mbar (g).

Simple Site Integration

Save time and money thanks to the easy and flexible installation options of the new blower package. Handle the RPG with ease by taking advantage of the rigid base's dedicated channels for forklifts, placing it on any even surface without need for any special foundations. Thanks to its compact design, the RPG 30 and RPG 35 can be quickly and easily integrated into your existing system.



Easy Service Access

The design of these new lobe blower packages ensures that service points are easily accessible with hinged and removable side doors to quickly see and access inside. Additionally, the oil level can be checked from the outside while the RPG is still running.



Control Panel

Featuring an intuitive menu, the control panel provides you with a real-time view of the lobe blower's operation for continuous monitoring of the device. This ensures you can spot problems and irregularities before they happen, thereby protecting your investment.

The control panel features a variety of operational functions available from the built-in screen on-site, as well as being available remotely. This allows you to monitor and configure each measured parameter and alarm from anywhere using a remote connection.

Versatile & Tailored Solutions

Scope of Supply

The standard RPG 30 and RPG 35 group includes:

- Three lobe blower.
- External oil level.
- Performance cooling fan.
- Electrical motor drive via v-belts and pulleys.
- Pressure gauge and filter clocking indicator.
- Optimised discharge silencer.
- Relief valve with easier access for maintenance that evacuates air or gas when the pressure is too high.
- Check valve that protects the blower against a backpressure when the blower stops and the pipe is pressurized.
- Noise enclosure with a fully enclosed base and improved heat flow (for DN 150, 200, 250, 300)
- Belt guard.



Options and Accesories

- PG controller.
- Relief and starting valve.
- Additional silencers.
- Vacuum silencer kit.
- Reactive discharge silencer (PED, extra noise reduction)
- Electric power cabinet: Star/delta, soft starter, frequency converter VFD.
- ATEX certification available for ATEX 2 ZONE 1/21 and ATEX 3 ZONE 2/22.
- Electronic instrument kit (pressure/temperature transmitters at suction and discharge side)
- Start-up and maintenance kit.



Relief and Starting Valve



Vacuum silencer kit



SDL - SCE



Start-up and maintenance Kit

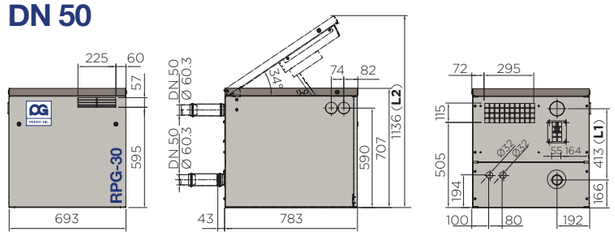
Performance

RPG		OPERATION							
		MAX PRESSURE DATA				MAX VACUUM DATA			
RPG DIMENSION	BLOWER DIMENSION	Pressure mbarg(g)	Capacity m³/h	Motor kW	Noise dB (A)	Vacuum mbarg(g)	Capacity m³/h	Motor kW	Noise dB (A)
DN 50	BPG 15	750	270	5,5	N/A	500	270	5,5	N/A
DN 65	BPG 15	900	270	11	N/A	-	-	-	-
DN 80	BPG 25	700	340	11	N/A	450	340	7,5	N/A
	BPG 35	1000	530	15		500	530	15	
DN 100	BPG 35	1000	530	22	73	-	-	-	-
	BPG 45	1000	750	30	76	500	690	18.5	73
	BPG 46	700	1125		75	500	1050	900	72
	BPG 55	1000	1070	45	76	500	1010		73
	BPG 65	1000	1145		77	500	1350	45	74
DN 150	BPG 65	1000	1370	55	77	-	-	45	-
	BPG 66	700	1950		77	500	1850		73
	BPG 75	1000	1600	75	76	500	1590		76
	BPG 85	1000	2500	90	77	500	2330	55	74
	BPG 86	700	2450	75	77	500	3000	75	78
	BPG 95	1000	2590	90	77	500	2590	75	75
DN 200	BPG 86	700	3250	90	77	-	-	-	-
	BPG 105	1000	3600	132	78	500	3650	75	76
	BPG 106	700	4900		78	450	4945	90	78
	BPG 115	1000	4290	160	77	500	4300		76
DN 250	BPG 125	1000	5500	200	78	500	5580	110	78
	BPG 126	700	5620	200	78	450	7880	132	77
	BPG 135	1000	5900	200	78	500	6500		76
DN 300	BPG 126	700	7360	250	81	-	-	-	-
	BPG 145	1000	8000	315	84	500	8000	200	84
	BPG 155	700	10300	315	83	500	10200	200	85

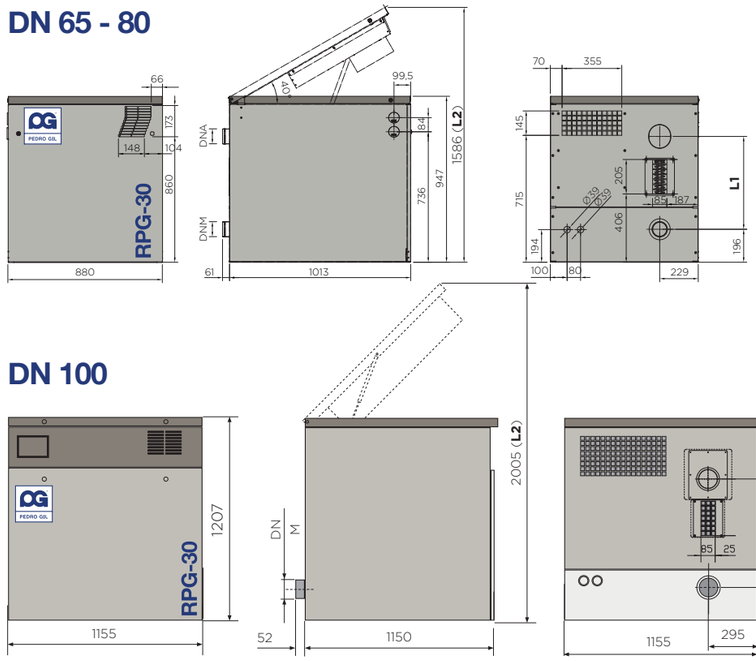
Overall Dimensions

Compact version

DN 50



DN 65 - 80

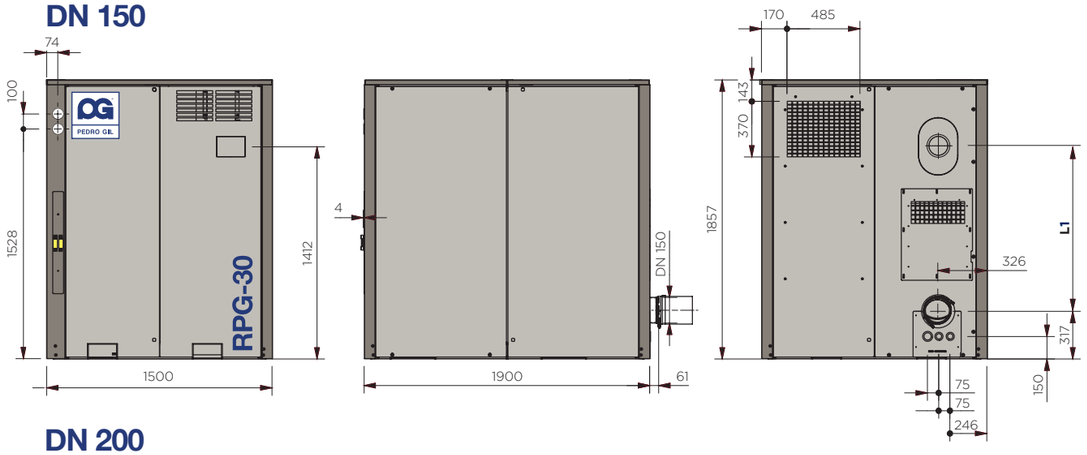


DN 100

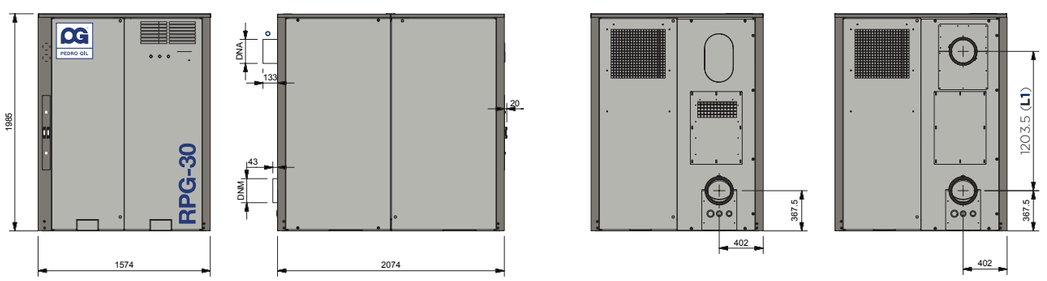
RPG LOBE		LENGHT		WEIGHT	
FRAME	AIREND SIZE	L1	L2	without noise hood RPGL (KG)	with noise hood RPG (KG)
DN 50	BPG 15	413	1136	80	120
DN 65	BPG 15	457	1516	125	205
DN 80	BPG 25	457	1516	130	210
	BPG 35	538	1516	175	255
DN 100	BPG 35	657	2005	235	365
	BPG 45	657	2005	245	395
	BPG 46	657	2005	276	420
	BPG 55	707	2005	295	445
	BPG 65	707	2005	310	460

Standard version

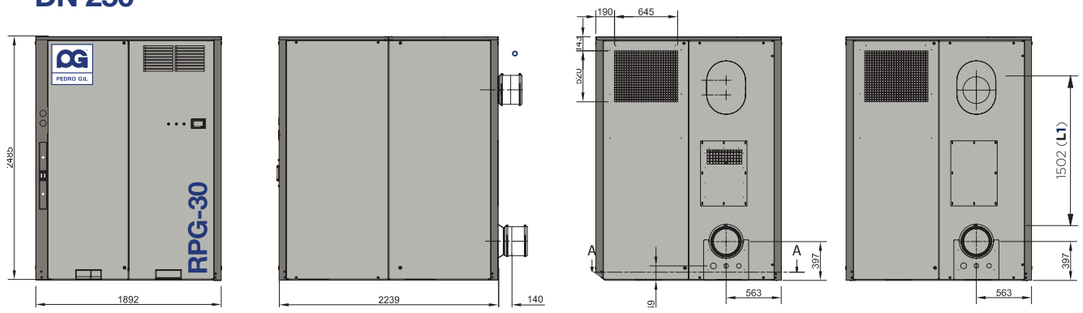
DN 150



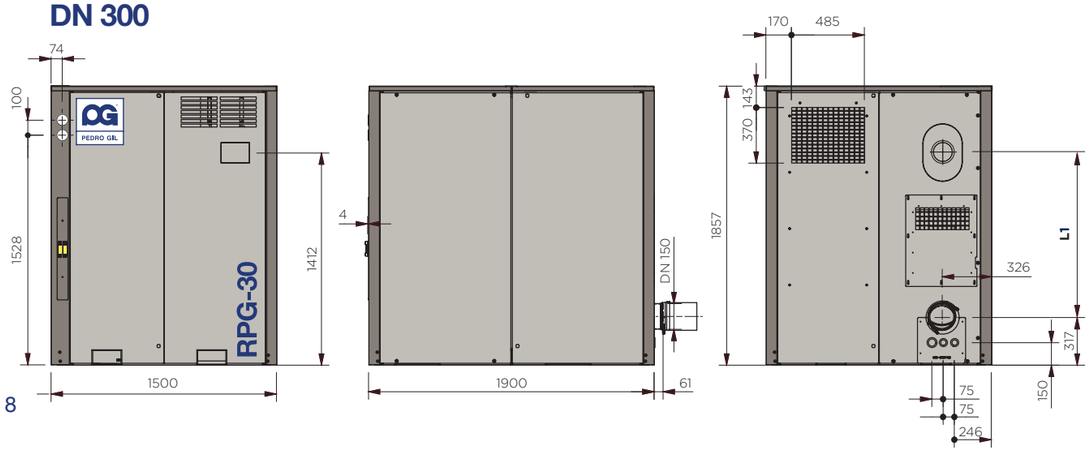
DN 200



DN 250



DN 300



RPG LOBE		WEIGHT	WEIGHT	
FRAME	AIREND SIZE	L1	without noise hood RPGL (KG)	with noise hood RPG (KG)
DN 150	BPG 65	1015	485	1030
	BPG 66	1015	515	1063
	BPG 75	1095	545	1080
	BPG 85	1095	595	1120
	BPG 86	1095	655	1186
	BPG 95	1175	735	1230
DN 200	BPG 86	1203.5	770	1360
	BPG 105	1203.5	854	1450
	BPG 106	1203.5	894	1490
	BPG 115	1203.5	994	1590
DN 250	BPG 125	1502	1500	2060
	BPG 126	1502	1565	2125
	BPG 135	1502	1830	2390
DN 300	BPG 126	1584	2090	3190
	BPG 145	1584	2400	3500
	BPG 155	1584	2540	3640



Repair Service

Trust in technical repair services with the manufacturer's guarantee

Your lobe blower unit is always ready for use with original Pedro Gil spare parts. Having original spare parts allows you to get the most out of your blower unit while also maintaining your equipment warranty. Their use helps prevent downtime, production stoppages, as well as blower unit breakdowns.

Our preventive maintenance kits include a filter, oil, and belts to help ensure seamless operation.



Quality



Guarantee



Trust

PEDRO GIL
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