



Atlas Copco



# Atlas Copco Vacuum Solutions

Vacuum pumps, systems and  
service for industrial applications

# Industrial vacuum product ranges

## GHS 350-5400 VSD<sup>+</sup> Oil-Sealed Rotary Screw Vacuum Pump with VSD Technology



Model	Flow m <sup>3</sup> /h	Shaft power kW	Max Vacuum mbar.a
GHS 350 VSD <sup>+</sup>	68-390	5.5	0.3
GHS 585 VSD <sup>+</sup>	68-560	7.5	0.3
GHS 730 VSD <sup>+</sup>	68-730	11	0.3
GHS 900 VSD <sup>+</sup>	68-870	15	0.3
GHS 1300 VSD <sup>+</sup>	116-1250	22	0.3
GHS 1600 VSD <sup>+</sup>	116-1590	30	0.3
GHS 1900 VSD <sup>+</sup>	116-1810	37	0.3
GHS 3800 VSD <sup>+</sup>	1012-3828	55	1
GHS 4600 VSD <sup>+</sup>	1012-4478	75	1
GHS 5400 VSD <sup>+</sup>	1012-5004	90	1

## GVS VSD<sup>+</sup> Series Oil-Sealed Rotary Vane with Built-In VSD

HMI on your Smartphone App



Model	Flow m <sup>3</sup> /h	Shaft power kW	Max Vacuum mbar.a
GVS 80 VSD <sup>+</sup>	38-74	2.2	0.5
GVS 120 VSD <sup>+</sup>	62-117	3.7	0.5
GVS 255 VSD <sup>+</sup>	117-255	7.5	0.1
GVS 400 VSD <sup>+</sup>	170-381	11	0.1

## GVS 16-630 A Oil-sealed rotary vane vacuum pump



Model	Flow m <sup>3</sup> /h	Shaft power kW	Max Vacuum mbar.a
GVS 16A	16	0.75	0.5
GVS 25A	25	0.75	0.5
GVS 40A	44	1.1	0.5
GVS 60A	59	1.5	0.5
GVS 100A	98	2.2	0.5
GVS 150	151	3.3	0.1
GVS 200A	180	4	0.1
GVS 300A	280	5.5	0.1
GVS 470A	470	9.2	0.1
GVS 630A	700	15	0.1

## LRP VSD<sup>+</sup> Series Revolutionary Water Ring Vacuum Pump with VSD Technology



SS impeller + SS end plates + SS water recovery tank + SS heat exchanger + VSD driven main motor + VSD driven centrifugal pump for water re-circulation + Auto-water top up + Elektronikon<sup>®</sup> controller + Constant Vacuum set point feature + Sound Enclosure + Anti-seizure & Anti-cavitation protection + Inbuilt NRV + Spray nozzle for high steam load

Model	Flow m <sup>3</sup> /h		Shaft power kW	Max Vacuum mbar.a
	Dry	Saturated		
LRP 700 VSD <sup>+</sup>	740	910	18.5	25
LRP 900 VSD <sup>+</sup>	940	1090	26	25
LRP 1000 VSD <sup>+</sup>	1050	1140	37	25

## DZS VSD<sup>+</sup> Series Dry Mono-Claw Vacuum Pump with Built-In VSD

HMI on your Smartphone App



Model	Flow m <sup>3</sup> /h	Shaft power kW	Max Vacuum mbar.a
DZS 100 VSD <sup>+</sup>	24-102	3	50
DZS 200 VSD <sup>+</sup>	55-185	5.5	50
DZS 400 VSD <sup>+</sup>	113-394	11	140

## DZS and DZM VSD Series Dry Mono and Multi-Claw Vacuum Pumps



Model	Flow m <sup>3</sup> /h	Shaft power kW	Max Vacuum mbar.a
DZS 065V	65	1.8	50
DZS 150V	150	3.7	50
DZS 300V	300	6.2	140
DZS 065P	65	3.7	2.2bar(g)
DZS 150P	150	11	2.5bar(g)
DZS 300P	300	19	2.5bar(g)
DZM 600V VSD	44-604	1.2-13	150
DZM 900V VSD	44-874	1.2-19	150
DZM 1200V VSD	44-1143	1.2-25	150

V = Vacuum variants, P = Pressure variants

## DHS VSD<sup>+</sup> Series Dry Screw Vacuum Pump with Built-In VSD



Model	Flow m <sup>3</sup> /h	Shaft power kW	Max Vacuum mbar.a
DHS 65 VSD <sup>+</sup>	65	1.5	1
DHS 100 VSD <sup>+</sup>	100	2.2	1
DHS 160 VSD <sup>+</sup>	160	3	1
DHS 200 VSD <sup>+</sup>	200	4	1

Note: The fixed speed units have the ultimate vacuum of 0.1mbar.a. Contact us for capacities more than 200 m<sup>3</sup>/hr

## AWS & AWD Series Liquid Ring Vacuum Pumps



Model	Flow m <sup>3</sup> /h	Shaft power kW	Max Vacuum mbar.a
AWS 180	170	5.5	30
AWS 280	250	7.5	30
AWS 360	325	11	30
AWS 450	440	15	30
AWS 600	600	18.5	30
AWS 800	725	22	30
AWS 1100	1100	37	30
AWS 1300	1200	37	30
AWS 1600	1500	45	30
AWS 2500	2460	75	30
AWS 3300	3000	75	30
AWS 5500	5400	132	30
AWD 200	195	5.5	30
AWD 400	400	11	30
AWD 610	610	22	30
AWD 1230	1250	45	30
AWD 1680	1685	55	30
AWD 1960	2000	75	30
AWD 3280	3300	110	30
AWD 4510	4500	132	30

Note: AWS: single Stage, AWD: D = Double Stage. Contact us for the Built-in VSD variants

# High vacuum product ranges

## GVD 0.7-275 2 Stage Oil-Sealed Rotary Vane Vacuum Pumps



Model	Flow m <sup>3</sup> /h	Shaft power kW	Max Vacuum mbar.a
GVD 0.7	0.75	0.9	3.0 x 10 <sup>-3</sup>
GVD 1.5	1.6	0.16	3.0 x 10 <sup>-3</sup>
GVD 3	3.3	0.45	2.0 x 10 <sup>-3</sup>
GVD 5	5.1	0.45	2.0 x 10 <sup>-3</sup>
GVD 8	8.5	0.45	2.0 x 10 <sup>-3</sup>
GVD 12	12	0.45	2.0 x 10 <sup>-3</sup>
GVD 18	17	0.55	1.0 x 10 <sup>-3</sup>
GVD 28	27.5	0.75	1.0 x 10 <sup>-3</sup>
GVD 40	37	1.1	1.0 x 10 <sup>-3</sup>
GVD 80	74	2.2	1.0 x 10 <sup>-3</sup>
GVD 175	160	5.5	1.0 x 10 <sup>-3</sup>
GVD 275	255	7.5	1.0 x 10 <sup>-3</sup>

## DRB 250-2000 Dry Vacuum Booster Pumps



Model	Flow m <sup>3</sup> /h	Shaft power kW	Max Vacuum mbar.a
DRB 250	253	1.1	80
DRB 500	505	2.2	80
DRB 1000	1000	4	80
DRB 2000	2050	7.5	80

## ZRS 250-4200 Dry Vacuum Booster Pumps

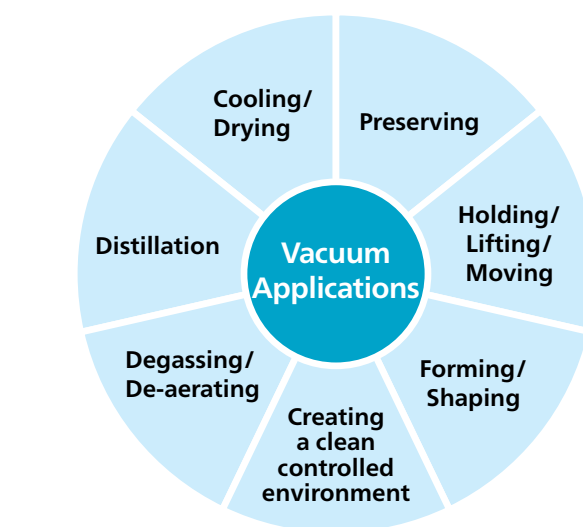


Model	Flow m <sup>3</sup> /h	Shaft power kW	Max Vacuum mbar.a
ZRS 250	310/375	2.2	180/150
ZRS 500	505/605	2.2	110/90
ZRS 1200*	1195/1435	3	90/75
ZRS 2600*	2590/3110	11	80/67
ZRS 4200*	4140/4985	11	60/50

\*Water-cooled variants

## Applications

- Printing and Paper handling
- Rubber and Plastic extrusion
- Vacuum forming and shaping
- Food preservation and Packaging
- Chemical and Pharma
- Refrigerator and Air-conditioning
- Degassing pasta and food
- Canning and Glass bottles
- Automotive glass lamination
- Cigarettes/Tobacco
- Tyre manufacturing
- Dairy Industry
- Drying: Ceramics, Automotive parts, etc.
- Pick & Place: Electronics, Food etc.
- Pneumatic transportation
- Wood working and CNC
- Roof top tiles and Solar Panel
- Aerospace/Wind turbine





# Vacuum Accessories

## ELEC CAB Range

Elektronik® Controller and Starter Panel



	ELEC CAB 2	ELEC CAB 4
Inverter drive	1	1
Max. number of pumps controlled	2	4
Single pressure point of measurement	Yes	Yes
Remote pressure sensor	Yes	Yes
Priority management	Yes	Yes
Running hours equalization	Yes	Yes

Note: ELEC CAB (Electrical Cabinet) is available for the single pump control as well. Sizes available from 2.2 kW to 45 kW of pumps.

## ES Central Controllers

Multiple pump controlling, Monitoring, Sequencing, Equal running, Energy saving & so on...

Models
ES4: Upto 4 units of VSD* can be controlled
ES6: Upto 6 units of VSD* can be controlled
ES6V: Upto 6 units of VSD* or 1 VSD* and 5 Atlas Copco or 5 competition pumps can be controlled
ES16V: Upto 16 units of VSD* or 1 VSD* and 15 Atlas Copco or 14 competition pumps can be controlled



## Liquid Separator/Vacuum Filter

Inlet connection/capacity	Flow rate m³/h
1" / 5.7 litres	145
1 ¼" / 5.7 litres	145
1 ½" / 5.7 litres	170
2" / 9 litres	230
2.5" / 9.5 litres	335
3" / 9.5 litres	510
4"F / 17 litres	888
6"F / 17 litres	1415



## Vacuum Receiver Tank

Inlet connection/capacity	Inlet/outlet connection
Volume 270 litres	G1 ½"
Volume 500 litres	G2 ½"
Volume 1000 litres	DN100
Volume 2000 litres	DN125
Volume 3000 litres	DN200



## See Through Liquid Separator

Inlet/outlet connection	Flow rate m³/h
2"	297
2.5"	356
3"	510
4"	850
6"	1530



## Compact Inlet Vacuum Filters



Inlet/outlet connection	Flow rate m³/h
Inlet filter "L" ¾"	43
Inlet filter "L" 1"	68
Inlet filter "L" 1 ¼"	102
Inlet filter "L" 1 ½"	136
Inlet filter "L" 2"	298
Inlet filter "L" 2 ½"	357
Inlet filter "L" 3"	510

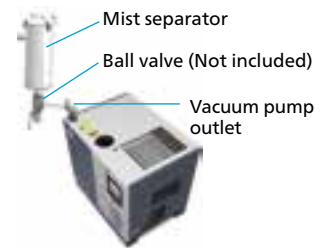
## Extreme Duty Cyclone Pre-Filter with Inline See Through Fine Filter

Inlet/outlet connection	Flow rate m³/h
2"	68-187
2 ½"	68-188
3"	340-510
4"	340-765
6"	765-1530



## Oil Mist Discharge Filters

Inlet connection	Flow rate m³/h
1"	68
1 ½"	85
2"	298
2 ½"	425
3"	510
4"	850
6"	1870



## Heavy Duty Liquid Separator and Filter Combo

3 stage, heavy-duty combination of liquid separation and inlet air filtration in one casing, height adjustable. The 3<sup>rd</sup> stage polyester filter element is available with 5 or 1 µm media pack options.

### Suitable for:

- Canning & glass bottle production
- Clay extrusion
- Plastic extrusion
- Pasta production
- ... and many more

Please contact us to design suitable filtration for your specific application.

