

DRYVAC



**DRY AND
EXTREMELY
COMPACT**

DRYVAC DV 650

Our DRYVAC is a rugged, dry screws vacuum pump with excellent energy efficiency. Compactness and low noise level enable installation close to the machine resulting in shorter cycle time and lower cost of installation.

Our Solution

- Dry screw technology
- Water cooled
- Driven by frequency converter
- ISO-6 certificate for clean rooms
- PFPE versions for MAP of red meat with oxygen
- Direct connection of RUVAC Roots blower via adapter
- "Hygienic design" versions include stainless steel protection housing for installation in wash down areas and optionally:
 - Plug and Play device to control the purge valves, gas ballast and flushing valve according to the process
 - E-saver allowing up to 50% energy savings at low pressure

Typical Applications

- Freeze drying
- Thermoforming
- Vacuum baking and cooling
- Modified Atmosphere Packaging (MAP) and skin packaging
- Vacuum cooling
- Belt chamber packaging machines

Customer Benefits

- Extremely compact design and water cooling allows installation directly inside the air-conditioned process area
- Highest energy efficiency
- Three inlet ports available allowing flexible installation and connection to the machine
- Integrated frequency converter for optimal process control and easy networking

Options

- Stainless steel hygienic enclosures for full wash-down capability



DRYVAC DV 650 FP Hygienic design with stainless steel housing for installation in wash-down areas

Technical Data

		DRYVAC		
		DV 300	DV 650	DV 650 FP Hygienic
		50/60 0Hz	50/60 Hz	50/60 Hz
Nominal speed ¹⁾	m ³ x h ⁻¹	280	650	650
Ultimate pressure ¹⁾	mbar	≤ 0.01	≤ 0.005	≤ 0.005
Maximum permissible Water vapor capacity	kg x h ⁻¹	5	25	25
Cooling		Water	Water	Water
Motor power	kW	7.5	15	15
Protection class EN 60529		IP 54	IP 54	IP 65
Lubricant filling	l	1.0	1.2	1.2
Noise level ²⁾	dB(A)	65	65	< 65
Connections				
Intake side	DN	63 ISO-K	100 ISO-K	G 3"
Pressure side	DN	40 ISO-K	63 ISO-K	G 3"
Weight, approx.	kg	370	580	580
Dimensions (W x H x D)	mm	1110 x 613 x 478	1280 x 420 x 570	1468 x 773 x 568

¹⁾ To DIN 28 400 ff.

²⁾ Operated at the ultimate pressure without gas ballast, free-field measurement at a distance of 1 m (3.5 ft)

Ordering Information

		DRYVAC		
		DV 300	DV 650	DV 650 FP Hygienic
		Part No.	Part No.	Part No.
DRYVAC				
with double purge - with LVO210 with gas ballast and blow-off valve		112030V15	-	-
with on-board frequency converter F&P version with epoxy painting			112065FP18-1	-
- with LVO210	-		112065FP28-1	-
- with LVO410	-			
without Plug and Play device without E-Saver device - with LVO410		-	-	504807V901
without Plug and Play device with E-Saver - with LVO210		-	-	504816V901
with Plug and Play device with E-Saver - with LVO210		-	-	504779V901
with Plug and Play device without E-Saver - with LVO210 - with flushing valve		-	-	504857V901
with Plug and Play device without E-Saver - with LVO410		-	-	504860V901
Inlet threaded adapter 3"		-	112005A18	-
Inlet threaded adapter 4"		-	112005A19	-
Exhaust silencer		-	119002	already included
E-Saver device (only for LVO210 versions)		115005A21	112005A60	112005A60
Hygienic enclosures DRYVAC		-	HygEn005	already included