

EU HWT Series

Single stage rotary vane pumps
Oil Recirculation Vacuum Technology
With Extraordinary High Water Tolerance

HWT pumps offer superior performance and quality levels. Their main features are: Increased Gas ballast capacity and Higher vapour tolerance. They are especially designed for pumping fluids in presence of large quantity of vapours at the higher vacuum levels that need to be maintained.



Advantages

- Maintenance costs adequately reduced
- Robustness of traditional oil lubricated rotary vane pump
- Longer lifetime and superior tolerance to dust and liquid
- Reduced lubricant disposal and labor costs
- Enviromental friendly with increased power efficiency
- Simple operation and control; Quieter overall than Dry techn.

Options and accessories

- VFD - Variable frequency driver
- ATEX version
- Liquid separator
- Inlet filter
- Vacuum gauges / vacuostats
- Pressure gauges / pressure switches
- Thermostat
- Oil level switch

			EU 107 HWT	EU 160 HWT	EU 205 HWT	EU 300 HWT	EU 650 HWT
Nominal pumping speed	C.F.M.	50 Hz	63	94	121	177	383
		60 Hz	76	107	144	212	465
Ultimate pressure (abs)	"Hg.V / Torr		29.9 / ≤ 0.6	29.9 / ≤ 0.6	29.9 / ≤ 0.6	29.9 / ≤ 0.6	29.9 / ≤ 0.6
Water vapour tolerance	mbar	60 Hz	80	80	80	80	40
Water vapour pumping capacity	L/h	60Hz	14	14	15	19	28.5
Motor power	HP	50 Hz	3	3.5	5	7.5	13/18.5
		60 Hz	4	5	7.5	10	20/25
Motor speed	min ⁻¹	50 Hz	1500	1500	1500	1500	1000
		60 Hz	1800	1800	1800	1800	1200
Overall dimension L x B x H	inch	60 Hz	718x406x373	805x436x316	895x551x436	979x551x436	1436x823x653
			750x406x373	814x436x316	944x551x436	1019x551x436	1481x823x653



EU 160 HWT

Applications

- Packaging machines
- Thermoforming machines
- Freezing chambers
- Evisceration systems
- Dryers
- Oil decontamination
- Chemical processes
- Degassing materials
- Varnish mixers
- Solvent recovery systems
- Distillation systems
- Drying transformer systems
- Motor/transformer impregnation process
- Plastic extruders
- Pick & place systems
- Solar panels
- Autoclaves
- CNC routers
- Glass, ceramic and pottery industry
- Marble and agglomerates
- Wood drying
- Central vacuum systems



EU 300 F HWT



H.W.T technology

PVR R&D developed this unique design to make EU lubricated pump series the only one in the world able to get rid of a greater quantity of water vapour ensuring the best ultimate pressure performance.
All this means huge benefits for the customers such as low maintenance costs, minor lifecycle costs, high productivity, longer lifetime of pumps and components, reduced lubricant's disposal costs and enviromental friendly

