

# DIFFUSION VACUUM PUMPS

## APPLICATIONS

- Metallurgy
- Mass spectrometry
- Gas analysis
- Leak detection
- Particle acceleration
- Lamp evacuation
- Small vacuum ovens
- Coating systems
- Drying systems
- Pharmaceutical



## FEATURES

- Simplicity and reliability
- High performance
- Low initial cost
- High pumping speed
- High throughput
- High tolerance fore-pressure
- Excellent back-streaming characteristics

## SPECIFICATIONS

Description	Measure	Model		
		DVP 55	DVP 3000	DVP 5000
Pumping speed (air)	l/s	60	3000	4900
Ultimate pressure	mbar	$1,5 \times 10^{-6}$	$5 \times 10^{-7}$	$5 \times 10^{-7}$
Heater power	kW	0,35	2,5	5,0
Electrical supply (50 Hz)		200V 1-PH	200V/380V 3-PH	200V/380V 3-PH
Warm-up time	min	13	25	30
Critical backing pressure	mbar	$6,5 \times 10^{-1}$	$1 \times 10^{-1}$	$1 \times 10^{-1}$
Fluid capacity	l	0,06	1,5	3,5
Cooling water flow	l/h	25	210	360
Recommended oil		DIFILEN	DIFILEN	DIFILEN
Minimum backing pump displacement	m <sup>3</sup> /h	4	30	60
Input/ Output		NW 63/ NW 10	NW 250/ NW 40	NW 400/ NW 63
Dimensions	mm	180(W)x300(H)	477(W)x595(H)	637(W)x780(H)
Weight	kg	6,3	30	90

We manufacture water cooled traps VWT. The models VWT 160, 250, 400, 630 are ideally suitable for diffusion vacuum pumps to retain gas conductance and reduce the vapor load on the pumps.