

# Pumps

Pump solutions for any kind of application



## Product families

**EcoPump HP** - air operated horizontal piston pumps

**EcoPump HPE** - electrical operated horizontal piston pumps

**EcoPump VP** - air operated vertical piston pumps **EcoPump VPS** - air operated vertical shovel plate pumps **EcoPump AD** - air operated diaphragm pumps **EcoPump9 GW** - gear wheel dosing pumps

**EcoPump Packages** - ready to use sets

# EcoPump2 VP

## Air operated vertical piston pumps

The **EcoPump2 VP** is a pneumatically driven vertical piston pump for medium and high pressure applications. Proven design and long term durability make these pumps the perfect choice for small and middle applications of paint, mastics and adhesives to furniture, steel structures or walls and other objects. The **EcoPump2 VP** is suitable for airless or air-assist application and is available in numerous configurations with various air inlet modules, pressure relief valves, trolleys and adjacent devices.



Watch product video



### PRODUCT LINE

	EcoPump2 VP 40 230	EcoPump2 VP 80 120	EcoPump2 VP 80 300	EcoPump2 VP 120 80	EcoPump2 VP 120 200
Part No.	N24170034	N24170035	N24170036	N24170037	N24170039
Weight	16.7 kg	19.5 kg	28.5 kg	22.5 kg	31.5 kg
Transmission Ratio	33:1	17:1	44:1	11:1	29:1
Volume/Cycle	40 cc/cycle	80 cc/cycle	80 cc/cycle	120 cc/cycle	120 cc/cycle
Flow Rate max. (durable)	0.8 l/min	1.6 l/min	1.6 l/min	2.4 l/min	2.4 l/min
Material pressure max.	230 bar (3336 psi)	120 bar (1740 psi)	300 bar (4351 psi)	80 bar (1160 psi)	200 bar (2901 psi)
Connection Outlet	G3/8"	G3/8"	G3/8"	G3/8"	G3/8"
Air pressure max.	7.0 bar (87 psi)	7.0 bar (87 psi)	7.0 bar (87 psi)	7.0 bar (87 psi)	7.0 bar (87 psi)
Operating Temp. max.	10 - 60 °C (50 - 140 °F)	10 - 60 °C (50 - 140 °F)	10 - 60 °C (50 - 140 °F)	10 - 60 °C (50 - 140 °F)	10 - 60 °C (50 - 140 °F)

\* Cycles for continuous operation and partial load.

### TECHNICAL ILLUSTRATION

One changeover valve for all pumps

Lubrication-free changeover valve

Ice reduction kit - optional

Maintenance friendly and modular air motor

Optional sensors for stroke detection

Extremely smooth piston rod surface for increased service life

Captive coupling

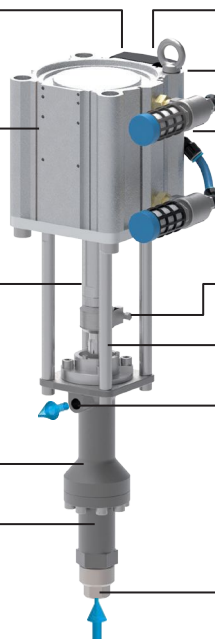
No cover required – Stocking optional

Fluid outlet turnable in 90° steps

Easy to clean shape

Acid resistant stainless steel

Special tool-free fluid inlet



# EcoPump VP

## Air operated vertical piston pumps

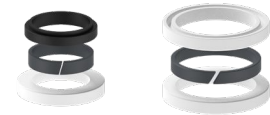
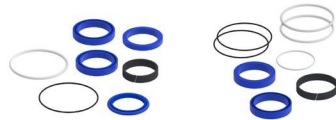


Watch product video



	EcoPump VP 500 180 SST PU	EcoPump VP 500 270 SST PU	EcoPump VP 250 360 SST PU	EcoPump VP 1000 90 SST PU	EcoPump VP 1000 135 SST PU
Part No.	N24170027	N24170028	N24170025 N24170026 - PE packing	N24170029	N24170030
Weight	83.9 kg	103.4 kg	56.1 kg	89.0 kg	123.0kg
Connector inlet / outlet	G2" / G1½" (female)	G2" / G1½" (female)	G1½" / G1¼" (female)	G2" / G1½" (female)	G2" / G1½" (female)
Connector air	G3/4" (female)	G3/4" (female)	G3/4" (female)	G3/4" (female)	G3/4" (female)
Displacement	500 cc/cycle	500 cc/cycle	250 cc/cycle	1,000 cc/cycle	1,000 cc/cycle
Ratio	30:1	45:1	60:1	15:1	23:1
Max. fluid pressure	180 bar (2,611 psi)	270 bar (3,915 psi)	360 bar (5,220 psi)	90 bar (1,305 psi)	135 bar (1,958 psi)
Flow rate @ rec. cycles	5 l/min (1.32 gal/m)	5 l/min (1.32 gal/m)	2.5 l/min (0.66 gal/m)	10 l/min (2.6 gal/m)	10 l/min (2.6 gal/m)
Recommended cycles*	10 cyc/min	10 cyc/min	10 cyc/min	10 cyc/min	10 cyc/min
Max. air pressure	6.0 bar (87psi)	6.0 bar (87psi)	6.0 bar (87 psi)	6.0 bar (87 psi)	6.0 bar (87 psi)

\* Cycles for continuous operation and partial load.



### VP PUMP PACKINGS

Part No.	N24960070 + N24960071	N24960184 + N24960185
Compatible pumps	EcoPump VP 250 360 (N24170025)	EcoPump2 VP 40 230 (N24170034)
Usage	Water-borne paint and water-borne wax, acidic catalysts.	Water based and Solvent based paints, cleaning detergents, clearcoats and hardeners (also with catalytic acids)
Material	PU, EPDM, PTFE, Brass	PE, PTFE-Graphite



Part No.	N24960189 + N24960190	N24960192 + N24960193
Compatible pumps	EcoPump2 VP 80 120 (N24170035) EcoPump2 VP 80 300 (N24170036)	EcoPump2 VP 120 80 (N24170034) EcoPump2 VP 120 200 (N24170039)
Usage	Water based and Solvent based paints, cleaning detergents, clearcoats and hardeners (also with catalytic acids)	Water based and Solvent based paints, cleaning detergents, clearcoats and hardeners (also with catalytic acids)
Material	PE, PTFE-Graphite	PE, PTFE-Graphite